



Metro

Los Angeles County
Metropolitan Transportation Authority

One Gateway Plaza
Los Angeles, CA 90012-2952

213.922.2000 Tel
metro.net

April 10, 2017

Ms. Mary Nichols
Chair, Air Resources Board
P.O. Box 2815
Sacramento, CA 95812

Attention: Mark Williams
Mailstop 3E

**COMMENTS ON VOLKSWAGEN
ZERO EMISSION VEHICLE INVESTMENT PLAN**

Dear Chair Nichols:

Thank you for the opportunity to comment on Volkswagen's Zero Emission Vehicle (ZEV) Investment Plan (Plan). We would like to share some highlights of the projects we have submitted for the Plan, as well as offer comments for the California Air Resources Board's (ARB) consideration as it reviews the Plan for approval, in whole or in part. We hope it is evident in the project highlights that our project proposals are flexible, and we are willing to work with ARB and Volkswagen (VW) to amend them as needed to best achieve the Plan's goals.

The Los Angeles County Metropolitan Transportation Authority (Metro) is the regional transportation planning, programming, construction, and transit operation authority for Los Angeles County. We are located in the South Coast Air Basin, which is a non-attainment area for both particulate matter and ozone. With 26% of the state's population and registered vehicles, including those affected by the settlement, as well as the highest concentration of disadvantaged communities, it is important for VW to invest significant resources in Los Angeles County to fully address the Plan's goals.

Enhancing Vehicle Charging Networks and Transit Connectivity. Both community and long distance highway charging infrastructure are important components of the overall charging network. Metro's EV charger proposal seeks to install chargers at 93 commuter sites with access to our rail and fixed guideway, servicing customers making over 400 million boardings per year. Our proposal offers up to 676 dual charging stations at rail stations, rideshare, and transit facility park-and-ride lots

throughout Los Angeles County. Forty of these sites are located at or near freeways. All sites have good connectivity to activity centers, housing, and businesses. Metro staff has nearly seven years' experience with the installation and administration of EV chargers, and most sites are currently owned by Metro, making acquisition unnecessary. We hope that ARB and VW will agree that including Metro park-and-ride lots in its plans will allow widespread saturation of charging infrastructure. Providing the opportunity and exposure to available charging infrastructure is a great way to encourage commuters and others to consider trying electric cars.

Los Angeles Metro Orange Line Bus Rapid Transit Zero Emission Modernization Project. As stated in the ARB's February 10, 2017 Guidance to Volkswagen on the First 30-Month Electric Vehicle Infrastructure Investment Plan, transit is an important element of ZEV charging and deployment. For our proposed battery electric upgrade to the popular Orange Line busway, the on-route chargers work together with the upgrade from compressed natural gas to battery electric buses to make a meaningful incremental investment that can help bridge the gap between current technology and operational challenges. Additionally, there would be cost savings opportunities in sharing electricity access infrastructure between on-route bus chargers and EV chargers at the 6 Orange Line stations where EV chargers are proposed. Electrifying any part of the fleet for an 18-mile fixed route guideway at the largest public bus operation in California would serve as the kind of transformative improvement that would send a message to other operators in the state, and the public, that the transition to zero emission vehicles is now well underway.

Early investment in improvements to benefit disadvantaged communities is important. Air quality challenges are prevalent in these communities and have a strong negative impact on health outcomes, making the matter urgent. Metro's proposals will help by making it possible to charge vehicles at 93 park-and-ride lots and operate zero emission vehicles along an 18-mile corridor. Sixty-two percent of the charging locations and 50% of the Orange Line stops would be located within a disadvantaged community, with CalEnviroScreen scores ranging from the 75th percentile to the 95th percentile. Eighty percent of both the charging stations and the Orange Line stops would be within a half mile of a disadvantaged community, making the investments there a worthwhile benefit to many communities.

Metro also wishes to express support for the applications submitted by other sponsors in Los Angeles County. Collectively, our projects support the 2016 ZEV Action Plan, as well as recent air quality, climate, and disadvantaged community legislation, such as SB 535, SB 350, and AB 1550. Los Angeles County has the worst air quality in the nation. Clearly, improvements in our area should be a high priority for the ARB and Volkswagen.

We are interested to learn more about the plan and the details of the programs and projects which Volkswagen has proposed. We request that the ARB publish the titles of the proposals, locations, descriptions, and financial details of the Plan, and extend the deadline to a reasonable period following the release of this information.

Should you have any questions, please feel free to contact Ashad Hamideh at (213) 922-4299.

Sincerely,



Therese W. McMillan
Chief Planning Officer

Enclosures:

- A. Project Fact Sheets
- B. Letters of Support

cc: Los Angeles County State Senate and Assembly Delegation
Wayne Killen, Volkswagen – Electrify America

California Zero Emission Investment Plan Proposal for Enhancing Electric Vehicle Charging Networks and Transit Connectivity in the Los Angeles Metro Area

metro.net



- > Metro has submitted a proposal to purchase and install 676 Dual Level 2 Electric Vehicle (EV) Chargers throughout LA County.
- > The proposed EV chargers will be installed in over 90 locations, supporting communities and Metro employees, public park-n-ride lots at transit locations, bus and rail divisions.
- > Los Angeles County is located in the South Coast Air Basin, which is classified to have the worst air quality in the U.S.
- > The project goal is to create a network to reduce GHG emissions in disadvantaged communities and to promote the use of electric vehicles and transit in Los Angeles County.

TOTAL INVESTMENT

\$20 million

POTENTIAL BENEFIT

3 million people*

*Reflects annual Park & Ride lot usage



Metro

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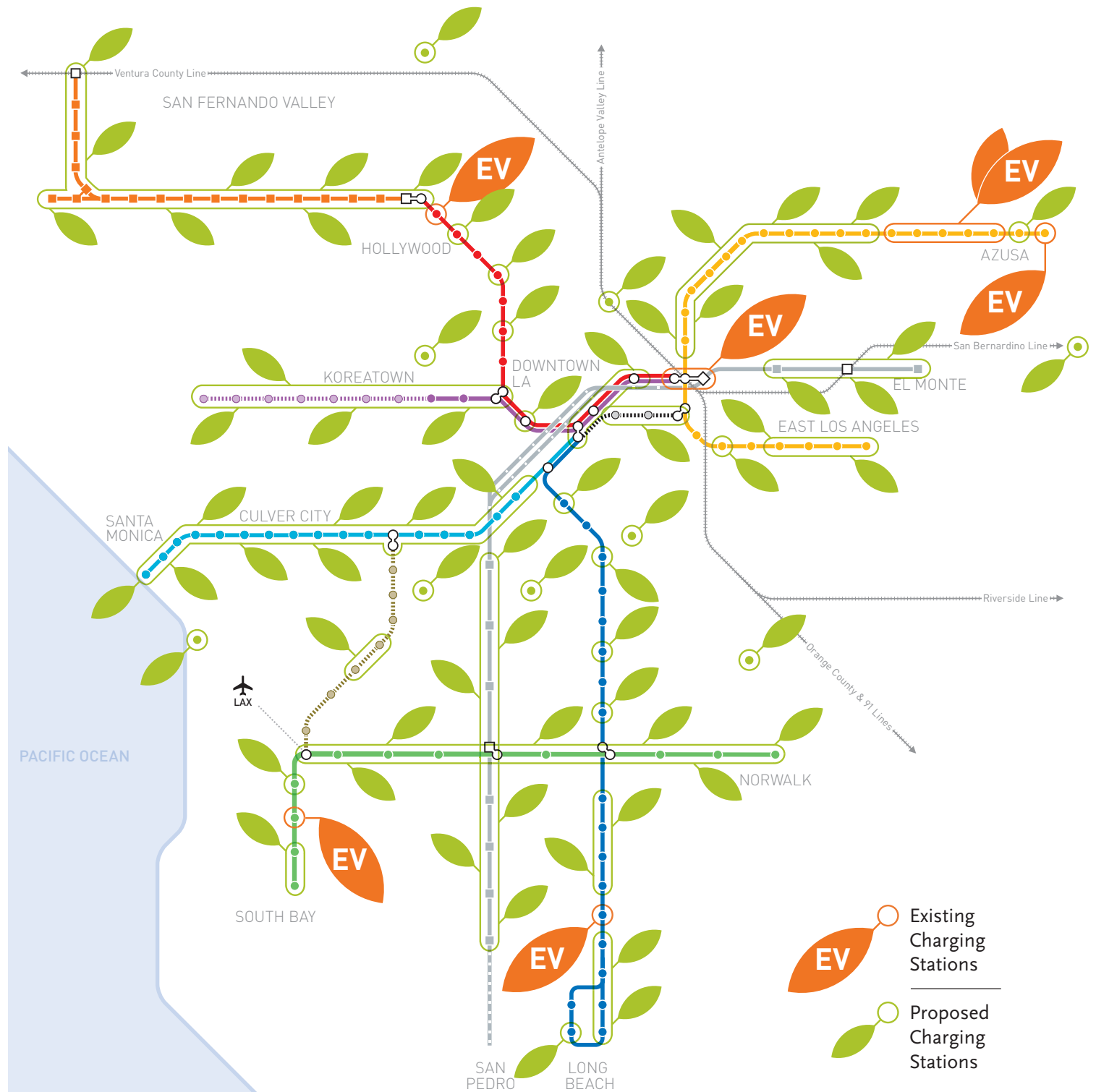
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Enclosure A

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Existing & Proposed EV Charging Stations on Metro Rail & Busway



Metro

2017 Electrify America – Zero Emission Investment Plan

Los Angeles Metro Orange Line Bus Rapid Transit

Zero Emission Modernization Project

- > Metro has submitted a proposal for funding that will be used to purchase 35 battery-electric, zero-emission buses, as well as five en-route charging stations for use on the Metro Orange Line Bus Rapid Transit Corridor.
- > The Metro Orange Line currently serves nearly seven million passengers annually in the City of Los Angeles and San Fernando Valley.
- > Los Angeles County is located in the South Coast Air Basin, which is classified to have the worst air quality in the United States.
- > The project goal is to reduce GHG emissions in disadvantaged communities and increase mobility in the region.

TOTAL INVESTMENT
\$50.5 Million

POTENTIAL BENEFIT

Moving 7 Million People



metro.net



Metro

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Desarae Jones
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Enclosure A

17-1736PS ©2017 LACMTA

Enclosure B

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VAN NUYS, CA 91401
(818) 376-4246
FAX (818) 376-4252

Assembly California Legislature



ADRIN NAZARIAN
ASSEMBLYMEMBER, FORTY-SIXTH DISTRICT

COMMITTEES
ARTS, ENTERTAINMENT, SPORTS,
TOURISM, AND INTERNET MEDIA
BUDGET
ELECTIONS AND REDISTRICTING
HEALTH
TRANSPORTATION

SUBCOMMITTEES
CHAIR: BUDGET SUBCOMMITTEE #4 ON
STATE ADMINISTRATION

JOINT LEGISLATIVE AUDIT COMMITTEE

January 30, 2017

Mary D. Nichols, Chair
California Air Resources Board
1001 I Street
Sacramento, CA 95814

Re: Los Angeles County Metro's proposal for the CA Zero Emission Investment Plan for the Orange Line Bus Rapid Transit Zero Emission Modernization Project

I am pleased to submit this letter of support for Los Angeles County Metropolitan Transportation Authority's (Metro's) proposal to implement the *Los Angeles Metro Orange Line Bus Rapid Transit Zero Emission Modernization Project*. The Metro Orange Line Bus Rapid Transit (BRT) system is the only one of its kind in California, and one of only a handful of true BRT systems in the United States. Los Angeles Metro has a service area of over 1,433 square miles, providing bus and rail services to the 10 million residents of Los Angeles County. The Metro Orange Line is a dedicated bus rapid transit way that serves the San Fernando Valley region, which has the worst air quality in the United States.

The Orange Line serves over 30,000 patrons per day along its 18-mile corridor, most of which runs through the assembly district I represent. Los Angeles Metro is requesting \$50.5 million to fully fund the procurement of 35 articulated, zero-emission electric buses and five charging stations along the transit corridor. The Project will result in significant emission reductions, is cost-effective, and will benefit several densely populated, disadvantaged communities that are dependent on transit for their travel needs. This project is "shovel-ready" as the installations of the charging stations can be completed in 2017, with buses starting service as early as 2018.

This Project will result in the first deployment and operation of 60-foot articulated, battery-electric zero emission buses for transit use (including BRT systems) in the Western United States. It will also result in the deployment of the cleanest and most energy efficient articulated buses in the country.



Printed on Recycled Paper

As an Assemblymember who represents part of the San Fernando Valley, it is my priority to ensure that my community sees real benefits and reductions in GHG emissions. Again, I would like to voice my strong support for Metro's proposal for the California ZEV Investment Plan. Please do not hesitate to contact me at 916-319-2046 with any questions.

Sincerely,



ADRIN NAZARIAN
Assemblymember, 46th District

CC. Brian Kelly, Secretary of Transportation, State of California
Therese McMillan, Chief Planning Officer, Los Angeles County Metropolitan
Transportation Authority
Wayne Killen, Program Manager, Electrify America
Nicole Barranco, Government Affairs, Volkswagen

**BOB BLUMENFIELD**

Councilmember, Third District

January 27, 2017

Mary D. Nichols, Chair
California Air Resources Board
1001 I Street
Sacramento, CA 95814

Re: Los Angeles County Metro's proposal for the CA Zero Emission Investment Plan for Enhancing EV Charging Networks and Transit Connectivity in the LA Metro Area

Dear Ms. Nichols:

On behalf of the City of Los Angeles, and as a representative of the West San Fernando Valley, I am pleased to submit this letter of support for the ***Enhancing Electric Vehicle Charging Networks and Transit Connectivity in the Los Angeles Metro Area*** proposal that the Los Angeles County Metropolitan Transportation Authority (Metro) submitted to Volkswagen Group of America ("Volkswagen") for the California Zero Emission Vehicle (ZEV) Investment Plan. Metro's funding request of \$20 million from Volkswagen will fully-fund the deployment of 676 Level 2 electric vehicle (EV) dual chargers at public park-and-ride facilities owned and/or operated by Metro and the California Department of Transportation, as well as Metro workplace facilities.

Los Angeles Metro has a service area of over 1,433 square miles, providing bus, rail, and freeway service patrol services to the 10 million residents of Los Angeles County. Metro identifies in its proposal close to 100 community and workplace locations for the deployment of the EV chargers. These locations are strategically located throughout the Los Angeles metropolitan area, including disadvantaged communities designated by the California Environmental Protection Agency and in proximity to major highway and transit facilities.

Metro's proposal supports the Governor's Executive Order to help accelerate the ZEV market in California, with the goal of reaching 1.5 million ZEVs by 2025, California's 2016 ZEV Action Plan, and your agency's ZEM Program. Metro's proposal, if funded by Volkswagen, will result in a reliable and accessible network of EV chargers that encourages the ownership/lease and use of ZEV in the South Coast Air Basin (SCAB), which has the worst air quality in the United States.

As the largest city in California, we encourage our residents to seek reduce their carbon footprint. Metro's proposed network will have a direct impact to reducing GHG emissions by increasing access to charging stations and creating a network of resources that EV owners can take advantage of. We support Metro's efforts to move Los Angeles County towards a more sustainable transportation future. Metro is responsible for planning for current and future mobility needs of its over 10 million residents. With this \$20 million from Volkswagen, Metro will have the ability to significantly impact the way Los Angeles County moves,



BOB BLUMENFIELD

Councilmember, Third District

by connecting sustainable transportation modes by connecting electric vehicle users to LA County's growing mass transit network.

For all these reasons, and more, I again wish to voice the City of Los Angeles' strong support for Metro's proposal for the California ZEV Investment Plan. If you have any questions, do not hesitate to contact Andrew Pennington, Senior Planning Deputy, at (818) 774-4330.

Sincerely,

BOB BLUMENFIELD
Councilmember
City of Los Angeles

cc: Brian Kelly, Secretary of Transportation, State of California
Therese McMillan, Chief Planning Officer, Los Angeles County Metropolitan Transportation Authority

**BOB BLUMENFIELD**

Councilmember, Third District

January 27, 2017

Mary D. Nichols, Chair
California Air Resources Board
1001 I Street
Sacramento, CA 95814

Re: Los Angeles County Metro's proposal for the CA Zero Emission Investment Plan for the Orange Line Bus Rapid Transit Zero Emission Modernization Project

Dear Ms. Nichols:

On behalf of the City of Los Angeles, and as a representative of the West San Fernando Valley, I am pleased to submit this letter of support **for Los Angeles County Metropolitan Transportation Authority's (Metro's) proposal to implement the *Los Angeles Metro Orange Line Bus Rapid Transit Zero Emission Modernization Project***. The Metro Orange Line Bus Rapid Transit (BRT) system is the only one of its kind in California, and one of only a handful of true BRT systems in the United States and I am proud to have it traverse my council district. The Metro Orange Line is a dedicated bus rapid transit way that serves the San Fernando Valley region which is located in the South Coast Air Basin, which has the worst air quality in the United States. This enhancement will go a long way towards improving service in the area all while creating a cleaner, more environmentally responsible transit system for the residents I serve.

The Metro Orange Line serves over 30,000 patrons per day along its 18 mile corridor. Los Angeles Metro is requesting \$50.5 million to fully fund the procurement of 35 articulated zero emission electric buses and five charging stations that will be installed along the transit corridor. Overall, the Project will result in significant emission reductions, is cost-effective, and will benefit several disadvantaged communities located in an area with very high population density that depend on transit for their travel needs. This project is "shovel-ready" as the installations of the charging stations can be completed in 2017, with buses starting service as early as 2018.

This Project will result in the first deployment and operation of 60-foot articulated, battery-electric zero emission buses for transit use (including BRT systems) in the Western United States. It will also result in the deployment of the cleanest and most energy efficient articulated buses made in the United States.



BOB BLUMENFIELD

Councilmember, Third District

As a Los Angeles City Councilmember, representing an area that will benefit overwhelmingly from this project, it is my priority to ensure that our community sees real reductions in GHG emissions. Again, I'd like to voice my strong support for Metro's proposal for the California ZEV Investment Plan. If you have any questions, do not hesitate to contact Andrew Pennington, Senior Planning Deputy, at (818) 774-4330.

Sincerely,

BOB BLUMENFIELD
Councilmember
City of Los Angeles

cc: Brian Kelly, Secretary of Transportation, State of California
Therese McMillan, Chief Planning Officer, Los Angeles County Metropolitan Transportation Authority



DAVID E. RYU
COUNCILMEMBER, FOURTH DISTRICT

January 30, 2017

Mary D. Nichols, Chair
California Air Resources Board
1001 I Street
Sacramento, CA 95814

Re: Los Angeles County Metro's proposal for the CA Zero Emission Investment Plan for the Orange Line Bus Rapid Transit Zero Emission Modernization Project

On behalf of the Council District 4 and the City of Los Angeles, I am pleased to submit this letter of support for the Los Angeles County Metropolitan Transportation Authority's (Metro's) proposal to implement the *Los Angeles Metro Orange Line Bus Rapid Transit Zero Emission Modernization Project*. The Metro Orange Line Bus Rapid Transit (BRT) system is the only one of its kind in California, and one of only a handful of true BRT systems in the United States. Los Angeles Metro has a service area of over 1,433 square miles, providing bus and rail services to the more than 10 million residents of Los Angeles County. The Metro Orange Line is a dedicated bus rapid transitway that serves the San Fernando Valley region which is located in the South Coast Air Basin, and has the worst air quality in the United States.

The Metro Orange Line serves over 30,000 patrons per day along its 18 mile corridor. Los Angeles Metro is requesting \$50.5 million to fully fund the procurement of 35 articulated zero emission electric buses and five charging stations that will be installed along the transit corridor. Overall, the Project will result in significant emission reductions, increased cost-effectiveness, and will benefit several highly disadvantaged, transit dependent communities with high population density. This project is "shovel-ready" as the installations of the charging stations can be completed in 2017, with buses starting service as early as 2018.

Nichols
January 30, 2017
Page 2

This Project will result in the first deployment and operation of 60-foot articulated, battery-electric zero emission buses for transit use (including BRT systems) in the Western United States. It will also result in the deployment of the cleanest and most energy efficient articulated buses made in the United States.

Representing Council District 4, it is our priority to ensure that our communities see real benefits and reductions in GHG emissions. Again, we'd like to voice our strong support for Metro's proposal for the California ZEV Investment Plan. If you have any questions, do not hesitate to contact me at (213) 473-7004.

Sincerely,



David E. Ryu
Councilmember, 4th District

Cc: Brian Kelly, Secretary of Transportation, State of California
Therese McMillan, Chief Planning Officer, Los Angeles County
Metropolitan Transportation Authority



NURY MARTINEZ
COUNCILWOMAN, SIXTH DISTRICT

February 1, 2017

Mary D. Nichols, Chair
California Air Resources Board
1001 I Street
Sacramento, CA 95814

Re: Los Angeles County Metro's proposal for the CA Zero Emission Investment Plan for the Orange Line Bus Rapid Transit Zero Emission Modernization Project

As Councilwoman for the City of Los Angeles' 6th District, I am pleased to submit this letter of support for **Los Angeles County Metropolitan Transportation Authority's (Metro's) proposal to implement the Los Angeles Metro Orange Line Bus Rapid Transit Zero Emission Modernization Project**. The Metro Orange Line Bus Rapid Transit (BRT) system is the only one of its kind in California, and one of only a handful of true BRT systems in the United States. Los Angeles Metro has a service area of over 1,433 square miles, providing bus and rail services to the 10 million residents of Los Angeles County. The Metro Orange Line is a dedicated bus rapid transitway that serves the San Fernando Valley region which is located in the South Coast Air Basin, which has the worst air quality in the United States.

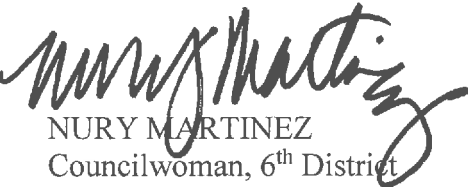
The Metro Orange Line serves over 30,000 patrons per day along its 18 mile corridor. Los Angeles Metro is requesting \$50.5 million to fully fund the procurement of 35 articulated zero emission electric buses and five charging stations that will be installed along the transit corridor. Overall, the Project will result in significant emission reductions, is cost-effective, and will benefit several disadvantaged communities located in an area with very high population density that depend on transit for their travel needs. This project is "shovel-ready" as the installations of the charging stations can be completed in 2017, with buses starting service as early as 2018.

This Project will result in the first deployment and operation of 60-foot articulated, battery-electric zero emission buses for transit use (including BRT systems) in the Western United States. It will also result in the deployment of the cleanest and most energy efficient articulated buses made in the United States.

Representing the City of Los Angeles, it is our priority to ensure that our community sees real benefits and reductions in GHG emissions. Again, we'd like to voice our strong support for

Metro's proposal for the California ZEV Investment Plan. If you have any questions, do not hesitate to contact me at 213.473.7006.

Sincerely,



NURY MARTINEZ
Councilwoman, 6th District

CC. Brian Kelly, Secretary of Transportation, State of California
Therese McMillan, Chief Planning Officer, Los Angeles County Metropolitan
Transportation Authority



NURY MARTINEZ
COUNCILWOMAN, SIXTH DISTRICT

February 1, 2017

Mary D. Nichols, Chair
California Air Resources Board
1001 I Street
Sacramento, CA 95814

Re: Los Angeles County Metro's proposal for the CA Zero Emission Investment Plan for Enhancing EV Charging Networks and Transit Connectivity in the LA Metro Area

Dear Ms. Nichols,

As the Councilwoman of the City of Los Angeles's 6th District, I am pleased to submit this letter of support for the *Enhancing Electric Vehicle Charging Networks and Transit Connectivity in the Los Angeles Metro Area* proposal that the Los Angeles County Metropolitan Transportation Authority (Metro) submitted to Volkswagen Group of America ("Volkswagen") for the California Zero Emission Vehicle (ZEV) Investment Plan. Metro's funding request of \$20 million from Volkswagen will fully-fund the deployment of 676 Level 2 electric vehicle (EV) dual chargers at public park-and-ride facilities owned and/or operated by Metro and the California Department of Transportation, as well as Metro workplace facilities.

Los Angeles Metro has a service area of over 1,433 square miles, providing bus, rail, and freeway service patrol services to the 10 million residents of Los Angeles County. Metro identifies in its proposal close to 100 community and workplace locations for the deployment of the EV chargers. These locations are strategically located throughout the Los Angeles metropolitan area, including disadvantaged communities designated by the California Environmental Protection Agency and in proximity to major highway and transit facilities.

Metro's proposal supports the Governor's Executive Order to help accelerate the ZEV market in California, with the goal of reaching 1.5 million ZEVs by 2025, California's 2016 ZEV Action Plan, and your agency's ZEM Program. Metro's proposal, if funded by Volkswagen, will result in a reliable and accessible network of EV chargers that encourages the ownership/lease and use of ZEV in the South Coast Air Basin (SCAB), which has the worst air quality in the United States.

As a city, we encourage our residents to seek to reduce their carbon footprint. Metro's proposed network will have a direct impact in reducing GHG emissions by increasing access to charging stations and creating a network of resources that EV owners can take advantage of. We support Metro's efforts to move Los Angeles County towards a more sustainable transportation future. Metro is responsible for planning for current and future mobility needs of its over 10 million

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Sun Valley Office • 9300 Laurel Canyon Blvd., 2nd Floor, Sun Valley, CA 91331 • (818) 771-0236 • Fax: (818) 767-7821



residents. With this \$20 million from Volkswagen, Metro will have the ability to significantly impact the way Los Angeles County moves, by connecting sustainable transportation modes by connecting electric vehicle users to LA County's growing mass transit network.

For all these reasons, and more, the City of Los Angeles again wishes to voice its strong support for Metro's proposal for the California ZEV Investment Plan. If you have any questions, do not hesitate to contact me at 213.473.7006.

Sincerely,

A handwritten signature in black ink, appearing to read "Nury Martinez", written in a cursive style.

NURY MARTINEZ
Councilwoman, 6th District

CC. Brian Kelly, Secretary of Transportation, State of California
Therese McMillan, Chief Planning Officer, Los Angeles County Metropolitan Transportation Authority



HERB J. WESSON, JR.
COUNCILMEMBER, 10TH DISTRICT
PRESIDENT, LOS ANGELES CITY COUNCIL

January 27, 2017

Mary D. Nichols, Chair
California Air Resources Board
1001 I Street
Sacramento, CA 95814

Dear Ms. Nichols:

As President of the Los Angeles City Council, I am pleased to submit this letter of support for the ***Enhancing Electric Vehicle Charging Networks and Transit Connectivity in the Los Angeles Metro Area*** proposal that the Los Angeles County Metropolitan Transportation Authority (Metro) submitted to Volkswagen Group of America ("Volkswagen") for the California Zero Emission Vehicle (ZEV) Investment Plan. Metro's funding request of \$20 million from Volkswagen will fully-fund the deployment of 676 Level 2 electric vehicle (EV) dual chargers at public park-and-ride facilities owned and/or operated by Metro and the California Department of Transportation, as well as Metro workplace facilities.

Los Angeles Metro has a service area of over 1,433 square miles, providing bus, rail, and freeway service patrol services to the 10 million residents of Los Angeles County. Metro identifies in its proposal close to 100 community and workplace locations for the deployment of the EV chargers. These locations are strategically located throughout the Los Angeles metropolitan area, including disadvantaged communities designated by the California Environmental Protection Agency and in proximity to major highway and transit facilities.

Metro's proposal supports the Governor's Executive Order to help accelerate the ZEV market in California, with the goal of reaching 1.5 million ZEVs by 2025, California's 2016 ZEV Action Plan, and your agency's ZEM Program. Metro's proposal, if funded by Volkswagen, will result in a reliable and accessible network of EV chargers that encourages the ownership/lease and use of ZEV in the South Coast Air Basin (SCAB), which has the worst air quality in the United States.

As elected representatives, we encourage our residents to seek to reduce their carbon footprint. Metro's proposed network will have a direct impact to reducing GHG emissions by increasing access to charging stations and creating a network of resources that EV owners can take advantage of. The City supports Metro's efforts to move Los Angeles County towards a more sustainable transportation future. Metro is responsible for planning for current and future mobility needs of its over 10 million residents. With this \$20 million from Volkswagen, Metro will have the ability to significantly impact the way Los Angeles County moves, by connecting sustainable transportation modes by connecting electric vehicle users to LA County's growing mass transit network.

I fully support Metro's proposal for the California ZEV Investment Plan and hope you will too.

Sincerely,


HERB J. WESSON, Jr.

President, Los Angeles City Council

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E-MAIL: COUNCILMEMBER.WESSON@LACITY.ORG



HERB J. WESSON, JR.
COUNCILMEMBER, 10TH DISTRICT
PRESIDENT, LOS ANGELES CITY COUNCIL

January 27, 2017

Mary D. Nichols, Chair
California Air Resources Board
1001 I Street
Sacramento, CA 95814

Dear Ms. Nichols:

As President of the Los Angeles City Council, I am pleased to submit this letter of support for **Los Angeles County Metropolitan Transportation Authority's (Metro's) proposal to implement the Los Angeles Metro Orange Line Bus Rapid Transit Zero Emission Modernization Project**. The Metro Orange Line Bus Rapid Transit (BRT) system is the only one of its kind in California, and one of only a handful of true BRT systems in the United States. Los Angeles Metro has a service area of over 1,433 square miles, providing bus and rail services to the 10 million residents of Los Angeles County. The Metro Orange Line is a dedicated bus rapid transit way that serves the San Fernando Valley region which is located in the South Coast Air Basin, which has the worst air quality in the United States.

The Metro Orange Line serves over 30,000 patrons per day along its 18 mile corridor. Los Angeles Metro is requesting \$50.5 million to fully fund the procurement of 35 articulated zero emission electric buses and five charging stations that will be installed along the transit corridor. Overall, the Project will result in significant emission reductions, is cost-effective, and will benefit several disadvantaged communities located in an area with very high population density that depend on transit for their travel needs. This project is "shovel-ready" as the installations of the charging stations can be completed in 2017, with buses starting service as early as 2018.

This Project will result in the first deployment and operation of 60-foot articulated, battery-electric zero emission buses for transit use (including BRT systems) in the Western United States. It will also result in the deployment of the cleanest and most energy efficient articulated buses made in the United States.

As a representative of the City of Los Angeles it is a priority to ensure that our community sees real benefits and reductions in GHG emissions. Your favorable consideration of Metro's proposal for the California ZEV Investment Plan would be greatly appreciated.

Sincerely,


HERB J. WESSON, Jr.
President, Los Angeles City Council

CC. Brian Kelly, Secretary of Transportation, State of California
Therese McMillan, Chief Planning Officer, Metro



MIKE BONIN

City of Los Angeles
Councilmember, Eleventh District

February 1, 2017

Mary D. Nichols, Chair
California Air Resources Board
1001 I Street
Sacramento, CA 95814

RE: Los Angeles County Metro's proposal for the CA Zero Emission Investment Plan for Enhancing EV Charging Networks and Transit Connectivity in the LA Metro Area

Dear Ms. Nichols:

As a Board Director for the Los Angeles County Metropolitan Transportation Authority (Metro) and the Councilmember representing the Eleventh District in the City of Los Angeles, I am pleased to submit this letter of support for Metro's proposal entitled *Enhancing Electric Vehicle Charging Networks and Transit Connectivity in the Los Angeles Metro Area* that was submitted to the Volkswagen Group of America ("Volkswagen") for the California Zero Emission Vehicle (ZEV) Investment Plan. Award of Metro's funding request of \$20 million from Volkswagen will fully-fund the deployment of 676 Level 2 electric vehicle (EV) dual chargers at Metro and the California Department of Transportation public park-and-ride facilities.

Los Angeles Metro has a service area of over 1,433 square miles, providing bus, rail, and freeway service patrol services to the 10 million residents of Los Angeles County. Metro identifies in its proposal close to 100 community and workplace locations for the deployment of the EV chargers. These locations are strategically located throughout the Los Angeles metropolitan area, including disadvantaged communities designated by the California Environmental Protection Agency and in proximity to major highway and transit facilities.

Metro's proposal supports Governor Brown's ZEV Executive Order, California's 2016 ZEV Action Plan, and your agency's ZEM Program. If awarded funds, Metro's program will result in a reliable and accessible network of EV chargers in the Los Angeles Metro area, and promote use of ZEVs in the South Coast Air Basin, which has the worst air quality in the United States.

Westchester Office

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(310) 410-3946 Fax

City Hall

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(213) 473-6926 Fax

West Los Angeles Office

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Los Angeles, CA 90025
(310) 575-8461
(310) 575-8305 Fax



The City of Los Angeles encourages its residents to seek to reduce their carbon footprint. Metro's proposed network will have a direct impact to reducing GHG emissions by increasing access to charging stations and creating a network of resources that EV owners can utilize.

It is for these reasons that I fully support Metro's grant application for the *Enhancing Electric Vehicle Charging Networks and Transit Connectivity in the Los Angeles Metro Area project*. Thank you for your review and positive consideration of Metro's application.

Regards,

A handwritten signature in black ink, appearing to read "Mike Bonin". The signature is fluid and cursive, with the first name "Mike" and last name "Bonin" clearly distinguishable.

MIKE BONIN

Councilmember, 11th District



City of
Santa Monica®
January 27, 2017

Mayor **Ted Winterer**
Mayor Pro Tempore **Gleam Davis**

Councilmembers
Sue Himmelrich
Kevin McKeown
Pam O'Connor
Terry O'Day
Tony Vazquez

Mary D. Nichols, Chair
California Air Resources Board
1001 I Street
Sacramento, CA 95814

Re: Los Angeles County Metro's proposal for the CA Zero Emission Investment Plan for Enhancing EV Charging Networks and Transit Connectivity in the LA Metro Area

Dear Ms. Nichols,

On behalf of the City of Santa Monica, I am pleased to submit this letter of support for the **Enhancing Electric Vehicle Charging Networks and Transit Connectivity in the Los Angeles Metro Area** proposal that the Los Angeles County Metropolitan Transportation Authority (Metro) submitted to Volkswagen Group of America ("Volkswagen") for the California Zero Emission Vehicle (ZEV) Investment Plan. Metro's funding request of \$20 million from Volkswagen will fully-fund the deployment of 676 Level 2 electric vehicle (EV) dual chargers at public park-and-ride facilities owned and/or operated by Metro and the California Department of Transportation, as well as Metro workplace facilities.

Los Angeles Metro has a service area of over 1,433 square miles, providing bus, rail, and freeway service patrol services to the 10 million residents of Los Angeles County. Metro identifies in its proposal close to 100 community and workplace locations for the deployment of the EV chargers. These locations are strategically located throughout the Los Angeles metropolitan area, including disadvantaged communities designated by the California Environmental Protection Agency and in proximity to major highway and transit facilities.

Metro's proposal supports the Governor's Executive Order to help accelerate the ZEV market in California, with the goal of reaching 1.5 million ZEVs by 2025, California's 2016 ZEV Action Plan, and your agency's ZEM Program. Metro's proposal, if funded by Volkswagen, will result in a reliable and accessible network of EV chargers that encourages the ownership/lease and use of ZEV in the South Coast Air Basin (SCAB), which has the worst air quality in the United States.

As a city, we encourage our residents to seek to reduce their carbon footprint. Metro's proposed network will have a direct impact to reducing GHG emissions by increasing access to charging stations and creating a network of resources that EV owners can take advantage of. We support Metro's efforts to move Los Angeles County towards a more sustainable transportation future. Metro is responsible for planning for current and future mobility needs of its over 10 million residents. With this \$20 million from Volkswagen, Metro will have the ability to significantly impact the way Los Angeles County moves, by connecting sustainable transportation modes by connecting electric vehicle users to LA County's growing mass transit network.

For all these reasons, and more, the City of Santa Monica again wishes to voice its strong support for Metro's proposal for the California ZEV Investment Plan. If you have any questions, do not hesitate to contact me at (310) 458-8201.

Sincerely,

Ted Winterer
Mayor

CC. Brian Kelly, Secretary of Transportation, State of California
Therese McMillan, Chief Planning Officer, Los Angeles County Metropolitan Transportation Authority



**CITY OF
WEST HOLLYWOOD**

CITY HALL
8300 SANTA MONICA BLVD.
WEST HOLLYWOOD, CA
90069-6216
TEL: (323) 848-6460
FAX: (323) 848-6562

TTY: For hearing impaired
(323) 848-6496

CITY COUNCIL

LAUREN MEISTER
Mayor

JOHN HEILMAN
Mayor Pro Tempore

JOHN D'AMICO
Councilmember

JOHN J. Duran
Councilmember

LINDSEY P. HORVATH
Councilmember

February 1, 2017

Mary D. Nichols, Chair
California Air Resources Board
1001 I Street
Sacramento, CA 95814

Los Angeles County Metro's proposal for the CA Zero Emission Investment Plan for Enhancing EV Charging Networks and Transit Connectivity in the LA Metro Area

Dear Ms. Nichols,

On behalf of the City of West Hollywood, I am pleased to submit this letter of support for the Enhancing Electric Vehicle Charging Networks and Transit Connectivity in the Los Angeles Metro Area proposal that the Los Angeles County Metropolitan Transportation Authority (Metro) submitted to Volkswagen Group of America ("Volkswagen") for the California Zero Emission Vehicle (ZEV) Investment Plan. Metro's funding request of \$20 million from Volkswagen will fully-fund the deployment of 676 Level 2 electric vehicle (EV) dual chargers at public park-and-ride facilities owned and/or operated by Metro and the California Department of Transportation, as well as Metro workplace facilities.

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Mary D. Nichols, Chair
February 1, 2017
Page 2 of 2

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For all these reasons, and more, the City of West Hollywood again wishes to voice its strong support for Metro's proposal for the California ZEV Investment Plan. If you have any questions, do not hesitate to contact me at (323) 848-6460.

Sincerely,

Lauren Meister
MAYOR

cc: Brian Kelly, Secretary of Transportation, State of California
Therese McMillan, Chief Planning Officer, LA County Metro



January 30, 2017

Mary D. Nichols, Chair
California Air Resources Board
1001 I Street
Sacramento, CA 95814

Re: Los Angeles County Metro's proposal for the CA Zero Emission Investment Plan for the Orange Line Bus Rapid Transit Zero Emission Modernization Project

Dear Chairwoman Nichols:

Established in 1924, The Central City Association (CCA) is Los Angeles's premier business advocacy organization, with 400 members employing over 300,000 people in the Los Angeles region. CCA was the primary architect of the Downtown Renaissance and has been a strong advocate for projects that improve the quality of life and transportation options for the people who live, work and play in Downtown and around the region.

CCA supports the **Los Angeles County Metropolitan Transportation Authority's (Metro's) proposal to implement the Los Angeles Metro Orange Line Bus Rapid Transit Zero Emission Modernization Project.** The Metro Orange Line Bus Rapid Transit (BRT) system is the only one of its kind in California, and one of only a handful of true BRT systems in the United States. Metro has a service area of over 1,433 square miles, providing bus and rail services to the 10 million residents of Los Angeles County. The Metro Orange Line is a dedicated bus rapid transitway that serves the San Fernando Valley region which is located in the South Coast Air Basin, which has the worst air quality in the United States. This Line serves over 30,000 patrons per day along its 18 mile corridor.

Metro is requesting \$50.5 million to fully fund the procurement of 35 articulated zero emission electric buses and five charging stations that will be installed along the transit corridor. Overall, the Project will result in significant emission reductions, is cost-effective, and will benefit several disadvantaged communities located in an area with very high population density that depend on transit for their travel needs. This project is "shovel-ready" as the installations of the charging stations can be completed in 2017, with buses starting service as early as 2018.

This Project will result in the first deployment and operation of 60-foot articulated, battery-electric zero emission buses for transit use (including BRT systems) in the Western United States. It will also result in the deployment of the cleanest and most energy efficient articulated buses made in the United States.

CCA supports Metro's proposal for the California ZEV Investment Plan. If you have any questions, please contact CCA's Director of Government Relations, John Howland, at 213-624-1213 or jhowland@ccala.org.

Sincerely,

A handwritten signature in blue ink, appearing to read 'JLall', is positioned above the printed name.

Jessica Lall
President & CEO

cc: Brian Kelly, Secretary of Transportation, State of California
Therese McMillan, Chief Planning Officer, Metro



January 30, 2017

Mary D. Nichols, Chair
California Air Resources Board
1001 I Street
Sacramento, CA 95814

Re: Los Angeles County Metro's proposal for the CA Zero Emission Investment Plan for Enhancing EV Charging Networks and Transit Connectivity in the LA Metro Area

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CCA is pleased to submit this letter of support for the ***Enhancing Electric Vehicle Charging Networks and Transit Connectivity in the Los Angeles Metro Area*** proposal that the Los Angeles County Metropolitan Transportation Authority (Metro) submitted to Volkswagen Group of America ("Volkswagen") for the California Zero Emission Vehicle (ZEV) Investment Plan. Metro's funding request of \$20 million from Volkswagen will fully fund the deployment of 676 Level 2 electric vehicle (EV) dual chargers at public park-and-ride facilities owned and/or operated by Metro and the California Department of Transportation, as well as Metro workplace facilities.

Metro has a service area of over 1,433 square miles, providing bus, rail, and freeway service patrol services to the 10 million residents of Los Angeles County. Metro identifies in its proposal close to 100 community and workplace locations for the deployment of the EV chargers. These locations are strategically located throughout the Los Angeles metropolitan area, including disadvantaged communities designated by the California Environmental Protection Agency and in proximity to major highway and transit facilities.

Metro's proposal supports the Governor's Executive Order to help accelerate the ZEV market in California, with the goal of reaching 1.5 million ZEVs by 2025, California's 2016 ZEV Action Plan, and your agency's ZEM Program. Metro's proposal, if funded by Volkswagen, will result in a

reliable and accessible network of EV chargers that encourages the ownership/lease and use of ZEV in the South Coast Air Basin (SCAB), which has the worst air quality in the United States.

Metro's proposed network will have a direct impact to reducing GHG emissions by increasing access to charging stations and creating a network of resources that EV owners can take advantage of. Metro is responsible for planning for current and future mobility needs of its over 10 million residents. With this \$20 million from Volkswagen, Metro will have the ability to significantly impact the way Los Angeles County moves, by connecting sustainable transportation modes by connecting electric vehicle users to LA County's growing mass transit network.

CCA supports Metro's proposal for the California ZEV Investment Plan. If you have any questions, please contact CCA's Director of Government Relations, John Howland, at 213-624-1213 or jhowland@ccala.org.

Sincerely,



Jessica Lall
President & CEO

cc: Brian Kelly, Secretary of Transportation, State of California
Therese McMillan, Chief Planning Officer, Metro



February 1, 2017

Mary D. Nichols, Chair
California Air Resources Board
1001 I Street
Sacramento, CA 95814

RE: Los Angeles County Metro's proposal for the CA Zero Emission Investment Plan for the Orange Line Bus Rapid Transit Zero Emission Modernization Project

Dear Chairwoman Nichols:

On behalf of Fixing Angelenos Stuck in Traffic (FAST), I am pleased to submit this letter of support for **Los Angeles County Metropolitan Transportation Authority's (Metro's) proposal to implement the Los Angeles Metro Orange Line Bus Rapid Transit Zero Emission Modernization Project**. The Metro Orange Line Bus Rapid Transit (BRT) system is the only one of its kind in California, and one of only a handful of true BRT systems in the United States. Los Angeles Metro has a service area of over 1,433 square miles, providing bus and rail services to the 10 million residents of Los Angeles County. The Metro Orange Line is a dedicated bus rapid transitway that serves the San Fernando Valley region which is located in the South Coast Air Basin, which has the worst air quality in the United States.

FAST is a public/private organization dedicated to designing and supporting the implementation of short-term strategies to reduce traffic congestion in Los Angeles by optimizing existing roadway and freeway infrastructure, promoting new technology and mobility options, and increasing public transit use in order to improve our quality of life. FAST represents numerous individuals and organizations throughout the region which include hundreds of thousands of businesses, students and residents in Los Angeles County – all committed to addressing gridlock and improving our mobility options. FAST supported Measure M throughout the years of “bottoms up” county-wide planning, and during the campaign in support of Measure M in the November 8th, 2016 election. We were especially active in our support for the mobility improvements in the San Fernando Valley, especially improving the popular Orange Line Bus Rapid Transit (BRT) system.

The Metro Orange Line serves over 30,000 patrons per day along its 18 mile corridor. Los Angeles Metro is requesting \$50.5 million to fully fund the procurement of 35 articulated zero emission electric buses and five charging stations that will be installed along the transit corridor. Overall, the Project will result in significant emission reductions, is cost-effective, and will benefit several disadvantaged communities located in an area with very high population density that depend on transit for their travel needs. This project is “shovel-ready” as the installations of the charging stations can be completed in 2017, with buses starting service as early as 2018.

FAST - Fixing Angelenos Stuck in Traffic

445 South Figueroa Street, Suite 2290. Los Angeles, CA 90071
213.233.2542 . Cellular 213.448.2900 . www.FASTLA.org

FAST Letter of Support for VW funding for Orange Line Bus Rapid Transit Zero Emission Modernization Project

February 1, 2017

Page 2

This Metro Orange Line Bus Rapid Transit Zero Emission Modernization Project will result in the first deployment and operation of 60-foot articulated, battery-electric zero emission buses for transit use (including BRT systems) in the Western United States. It will also result in the deployment of the cleanest and most energy efficient articulated buses made in the United States.

The reduced emission buses will bring cleaner air to the community living in the area, and will also clean the air for the hundreds of thousands of bicycle riders who bike along the Orange Line Bikeway, adjacent to the Orange Line Busway. Making the air cleaner along the Bikeway will encourage more people to ride bicycles to work, home or play, and take their bicycles on transit for longer trips.

As the Executive Director of FAST it is our priority to ensure that our community sees real benefits and reductions in GHG emissions. FAST voices our strong support for Metro's proposal for the California ZEV Investment Plan. If you have any questions, do not hesitate to contact me at (213) 448-2900.

Sincerely,

Hilary Norton
FAST Executive Director

CC. Brian Kelly, Secretary of Transportation, State of California
Therese McMillan, Chief Planning Officer, Los Angeles County Metropolitan Transportation Authority (Metro)





February 1, 2017

Mary D. Nichols, Chair
California Air Resources Board
1001 I Street
Sacramento, CA 95814

RE: **Re: Los Angeles County Metro's proposal for the CA Zero Emission Investment Plan for Enhancing EV Charging Networks and Transit Connectivity in the LA Metro Area**

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FAST has long been a supporter of zero-emission travel, especially in connection with Metro rail transit. As a plug-in EV owner myself, I experience firsthand the importance of the proliferation of additional EV charging at Metro park and ride would be a welcome asset the Metro system.

Los Angeles Metro has a service area of over 1,433 square miles, providing bus, rail, and freeway service patrol services to the 10 million residents of Los Angeles County. Metro identifies in its proposal close to 100 community and workplace locations for the deployment of the EV chargers. These locations are strategically located throughout the Los Angeles metropolitan area, including disadvantaged communities designated by the California Environmental Protection Agency and in proximity to major highway and transit facilities.

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FAST Letter of Support for VW funding for Orange Line Bus Rapid Transit Zero Emission Modernization Project

February 1, 2017

Page 2

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Sincerely,

Hilary Norton
FAST Executive Director

CC: Brian Kelly, Secretary of Transportation, State of California
Therese McMillan, Chief Planning Officer, Los Angeles County Metropolitan Transportation Authority (Metro)

