



## State Zero-Emission Vehicle Programs Memorandum of Understanding

WHEREAS, the Signatory States have adopted regulations requiring increasing sales of zero-emission vehicles (ZEVs), or are considering doing so; and

WHEREAS, accelerating the ZEV market is a critical strategy for achieving our goals to reduce transportation-related air pollution, including criteria air pollutants, mobile source air toxics and greenhouse gas emissions (GHGs), enhance energy diversity, save consumers money, and promote economic growth; and

WHEREAS, our states are committed to reducing air pollution, including the emission of GHGs and other air pollutants from the mobile source sector; and

WHEREAS, many of our states have obligations or otherwise seek to reduce GHGs consistent with science-based targets by 2050; and

WHEREAS, motor vehicles are among the largest sources of GHGs and criteria air pollutants that adversely affect the health and well-being of our citizens in all of our states; and

WHEREAS, providing transportation alternatives such as ZEVs will help improve air quality, reduce the use of petroleum-based fuels in the transportation sector, protect consumers against volatile energy prices, and support the growth of jobs, businesses and services in a clean energy economy; and

WHEREAS, an increasing variety of vehicles that operate on hydrogen and low-cost electricity are commercially available and have the potential to significantly reduce emissions of criteria pollutants and GHGs, enhance consumer choice, and allow for home fueling; and

WHEREAS, states with ZEV programs collectively constitute 27 percent<sup>1</sup> of the U.S. automobile market and together can help create consumer demand that will further lower ZEV costs through economies of scale and expand the range of product lines available to consumers throughout the U.S.; and

WHEREAS, our states have a long history of leadership and innovation in promoting clean cars and collaborating on environmental issues.

NOW THEREFORE, as Governors of the Signatory States we express our mutual understanding and cooperative relationship as follows:

### 1. OVERALL COMMITMENT

The Signatory States agree to coordinate actions to support and ensure the successful implementation of our Zero-Emission Vehicle programs. The Signatory States agree to create and participate in a multi-state ZEV Program Implementation Task Force to serve as a forum for coordination and collaboration on the full range of program support and implementation issues to promote effective and efficient implementation of ZEV regulations. The Task Force will prepare, within six months of the date of this agreement, a plan of action to accomplish the goals identified in this MOU.

### 2. MEASURABLE GOALS

Consistent with program requirements, the initial Signatory States agree to a collective target of having at least 3.3 million zero emission vehicles on the road in our states by 2025 and to work together to establish a fueling infrastructure that will adequately support this number of vehicles. On an annual basis, each Signatory State will report, within available capabilities, on the number of ZEVs registered in its jurisdiction, the number of electric/hydrogen fueling stations open to the public and available information regarding workplace fueling for ZEVs.

### 3. INTER-AGENCY COORDINATION WITHIN STATES

As appropriate in each State, the Signatory States will seek to support and facilitate the successful commercialization of ZEVs and efforts to maximize the electric miles driven by these vehicles through actions such as promoting electric vehicle readiness through consistent statewide building codes and standards for installing charging infrastructure, developing streamlined metering options for homes equipped with electric vehicle chargers, evaluating opportunities to reduce vehicle operating costs and increasing electric system efficiency through time-of-use electricity rates and net metering for electric vehicles, and strengthening the connection between ZEVs and renewable energy.

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<sup>1</sup>Source: R.L. Polk & Co. for new vehicle registrations in 2011.

#### 4. PUBLIC FLEET PURCHASES AND FUELING STATIONS

To lead by example, each Signatory State will seek to establish ZEV purchase targets for government and quasi-governmental agency fleets and report annually on ZEV acquisitions. We will explore opportunities for coordinated vehicle and fueling station equipment procurement within and across our states. We will endeavor to provide public access to government fleet fueling stations. State contracts with auto dealers and car rental companies will, to the extent possible, include commitments to the use of ZEVs where appropriate.

#### 5. INCENTIVES FOR ZEVS

The Signatory States agree to evaluate the need for, and effectiveness of, monetary incentives to reduce the upfront purchase price of ZEVs and non-monetary incentives, such as HOV lane access, reduced tolls and preferential parking, and to pursue such incentives as appropriate.

#### 6. SHARED STANDARDS

The Signatory States agree, subject to their respective legislative requirements, to work to develop uniform standards to promote ZEV consumer acceptance and awareness, industry compliance, and economies of scale. Such standards may include, but are not limited to, adopting universal signage, common methods of payment and interoperability of electric vehicle charging networks, and reciprocity among states for ZEV incentives, such as preferential parking and HOV lane access.

#### 7. PUBLIC – PRIVATE PARTNERSHIPS

The Signatory States will cooperate with automobile manufacturers, electricity and hydrogen providers, the fueling infrastructure component industry, corporate fleet owners, financial institutions and others to encourage ZEV market growth.

#### 8. RESEARCH, EDUCATION AND OUTREACH

The Signatory States agree to share research and a coordinated education and outreach campaign to highlight the benefits of ZEVs and advance their utilization. We will collaborate with initiatives, including Clean Cities programs, the Northeast/Mid-Atlantic States Transportation Climate Initiative and the West Coast Electric Highway that are already working to raise consumer awareness and demonstrate the viability and benefits of ZEVs.

#### 9. HYDROGEN-POWERED VEHICLES AND INFRASTRUCTURE STUDY

The Signatory States agree to pursue the assessment and development of potential deployment strategies and infrastructure requirements for the commercialization of hydrogen fuel cell vehicles.

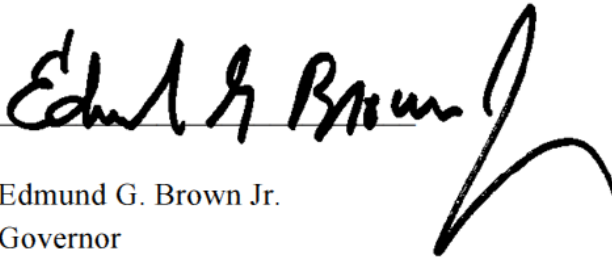
## 10. SUPPLEMENTARY PROVISIONS

- a. A Signatory State may terminate its participation in the MOU with a written statement to other Signatory States.
- b. Other states that commit to the conditions of this agreement may sign on to this MOU.
- c. This MOU may be amended in writing upon the collective agreement of the authorized representatives of the Signatory States.

[Signatures on following pages]

This Memorandum of Understanding on State Zero-Emission Vehicle Programs signed as of the 24<sup>th</sup> day of October 2013.

THE STATE OF CALIFORNIA

By:  Edmund G. Brown Jr.  
Governor

This Memorandum of Understanding on State Zero-Emission Vehicle Programs signed as of the 24<sup>th</sup> day of October 2013.

THE STATE OF CONNECTICUT

By:  \_\_\_\_\_

Dannel P. Malloy  
Governor

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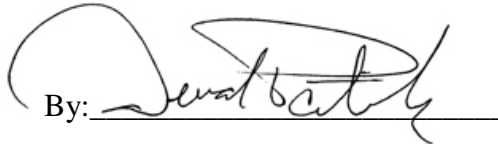
THE STATE OF MARYLAND

By:  \_\_\_\_\_

Martin O'Malley  
Governor

This Memorandum of Understanding on State Zero-Emission Vehicle Programs signed as of the 24<sup>th</sup> day of October 2013.

THE COMMONWEALTH OF MASSACHUSETTS

By: \_\_\_\_\_

Deval L. Patrick  
Governor

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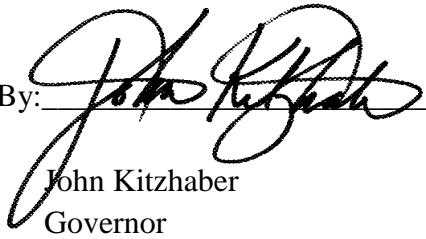
THE STATE OF NEW YORK

By: 

Andrew M. Cuomo  
Governor

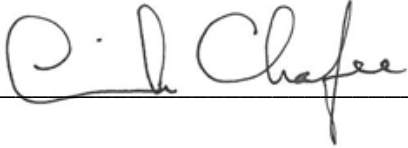
This Memorandum of Understanding on State Zero-Emission Vehicle Programs signed as of the 24<sup>th</sup> day of October 2013.

THE STATE OF OREGON

By:   
John Kitzhaber  
Governor

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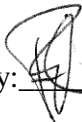
THE STATE OF RHODE ISLAND &  
PROVIDENCE PLANTATIONS

By: 

Lincoln D. Chafee  
Governor

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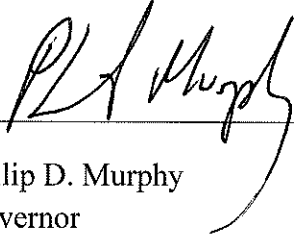
THE STATE OF VERMONT

By:  \_\_\_\_\_

Peter Shumlin  
Governor

This Memorandum of Understanding on State Zero Emission Vehicle Programs signed as of the 3<sup>rd</sup> day of May 2018.

THE STATE OF NEW JERSEY

By:  \_\_\_\_\_  
Philip D. Murphy  
Governor

This Memorandum of Understanding on State Zero-Emission Vehicle Programs signed as of the 20 day of November 2019.

THE STATE OF MAINE

By: 

Janet T. Mills  
Governor