

# Attachment A

## ATTACHMENT A

### Bilateral Agreements:

#### Canada (3)

##### [Cooperation on Mitigation Measures to Reduce Greenhouse Gas Emissions](#)

Signed: June 26, 2019

Term: Five Years

This Memorandum of Understanding (MOU), entered into by the California Air Resources Board of the State of California, and the Department of Environmental and Climate Change Canada of the Government of Canada, expresses the real and urgent need to collaborate on solutions to help mitigate the devastating impacts of climate change. The purpose of this MOU is to promote and carry out cooperative activities on policy and regulatory measures that reduce emissions from greenhouse gases and air pollutants according to Environment and Climate Change Canada and the California Air Resources Board's respective competencies and based on principles of equality, reciprocity, information exchange, and mutual benefit. Specifically highlighted within this MOU is the role of cleaner vehicles, engines, and fuels, to help combat climate change and reduce air pollution, the deeply integrated North American auto sector, and the need to ensure that all communities benefit from the transition to clean transportation – particularly those which are disadvantaged.

##### [Province of British Columbia](#)

Signed: December 17, 2009

Term: No Expiration

This MOU is an active measure resulting from the establishment of the Pacific Coast Collaborative (June 2008, Article 6) and the MOU between the Province of British Columbia and the State of California on the Pacific Coast Collaboration to Protect Our Shared Climate and Ocean (May 2007). Further, this MOU expresses the commitment of both parties to move forward in partnership on the development of greenhouse gas vehicle emission standards in British Columbia consistent with California's laws and regulations.

##### [Government of Quebec](#)

Signed: September 27, 2009

Term: No Expiration

The objective of this agreement was for the parties to work jointly and collaboratively toward the harmonization and integration of cap-and-trade programs for reducing greenhouse gas emissions.

#### Chile (3)

##### [National Forest Corporation](#)

Signed: November 10, 2016

Term: 5 years

This MOU promotes joint partnership and cooperation to reduce vulnerabilities and increase resilience to climate change and wildfire threats. Both sides pledge to share best practices, communication strategies, research and technologies, and training opportunities to enhance and promote wildfire prevention and wildland-urban interface awareness to at-risk populations.

##### [National Emergency Office of the Ministry of the Interior and Public Security](#)

Signed: November 9, 2016

Term: No Expiration

This MOU builds on the Chile-California 21st Century Partnership and Joint Declaration to Cooperate in Emergency Disasters, an MOU signed on April 10, 2010. It focuses on improving efficiencies and capabilities within emergency management by committing to share best practices, expertise, technology, training and research in the areas of drought response, and earthquake and tsunami alert and warning systems.

##### [Joint Declaration on Climate Change](#)

Signed: September, 2015

Term: No Expiration

This Joint Declaration builds on the Chile-California Plan, which spanned many diverse areas of cooperation, and was signed on the day the 70th session of the United Nations General Assembly opened. This Declaration, in advance of COP21 in Paris, was made to express a common vision for a cleaner and sustainable world as well as the need to achieve the ultimate goal established by the UNFCCC, which is to stabilize the greenhouse gases in the atmosphere and keep warming below 2 degrees Celsius. Further, this Declaration includes a commitment to develop a common work plan on climate change.

## **China (23)**

### [Ministry of Ecology and the Environment of the People's Republic of China](#)

Signed: September 12, 2018

Term: No Expiration

This MOU was signed at the China Pavilion, during the Global Climate Action Summit in San Francisco. It seeks to further strengthen and coordinate efforts to combat climate change and promote clean and efficient energy, while protecting public health, the environment, and natural resources. The Parties agree to cooperate on the basis of the principles of equality and mutual benefit. Key areas of focus include, but are not limited to, activities to mitigate carbon emissions, control carbon dioxide, methane and other greenhouse gases; enhancing air pollution control strategies for the industrial and transportation sectors; reducing short lived climate forcers and mitigating hydrofluorocarbons; the implementation of carbon emissions trading systems; and the reduction of energy consumption through improvements in energy efficiency.

### [Chinese People's Association for Friendship with Foreign Countries](#)

Signed: September 12, 2018

Term: No Expiration

Signed at the China Pavilion, during the Global Climate Action Summit in San Francisco, this Joint Statement/Declaration on Friendship, Economic Development, and Climate Change expresses the intent to establish the California-China Program coordinated by the California Governor's Office and the Chinese Friendship Association, and affiliated with the US-China Governors' Forum. One of the goals of the California-China Program will be to enhance the bilateral relationship and foster collaboration by building and ensuring a regular dialogue between California and subnational Chinese counterparts in critical areas of mutual interest.

### [Cooperation on California-Shenzhen Clean Tech Innovation Center](#)

Signed: November 2, 2017

Term: 3 years

This MOU establishes the fundamental framework for cooperation and the establishment of the Shenzhen-California Clean Tech Innovation Center in order to strengthen exchange and cooperation in clean-tech development and the acceleration of mutually beneficial clean technologies.

### [Municipality of Shenzhen](#)

Signed: November 2, 2017

Term: 3 Years

In order to further the goals of previous agreements signed between the Parties - specifically the Memorandum of Understanding to Enhance Cooperation on Emissions Trading Systems, June 2013, and the Memorandum of Understanding to Enhance Cooperation on Low Carbon Development, September 2015 - this MOU addresses the global issue of climate change and seeks to enhance cooperation on low-carbon and clean technology innovation in an effort to accelerate low-carbon development. The Parties agree to cooperate and communicate on matters of research, innovation, and commercialization, with key areas of focus related to emissions trading systems; new-energy vehicle technologies; the reduction of air pollutants and carbon emissions from ports; smart grid, distributed energy production, and energy efficiency; and environmental protection technologies, including pollution mitigation, waste water treatment, and solid waste management technologies.

### [Jiangsu Science and Technology Department](#)

Signed: November 1, 2017

Term: 3 years

In furtherance of the California-Jiangsu Clean Technology Partnership established in Nanjing on June 5, 2017, this MOU is the expression of the parties to focus resources on developing the mutually beneficial low-carbon and clean technology innovation categories identified in this Coordinated Joint Investment Plan.

As listed, the categories include:

- Building & Transportation Energy Efficiency
- Renewable Energy
- Grid Modernization & Information Technology
- Energy Storage
- Water-Energy-Food Nexus

[Ministry of Housing and Urban-Rural Development](#)

Signed: October 13, 2017

Term: 3 years

This MOU is focused on enhancing cooperation on Green Building and Low-Carbon Urban Development. It establishes a fundamental framework for the Parties to exchange technical expertise, academic resources, policy design and planning, and unique sustainable and green urban development opportunities based on principles of equality and mutual benefit.

[China Huadian Green Energy Corporation](#)

Signed: June 9, 2017

Term: 5 years

The objective of this MOU is to encourage future collaboration on energy storage between the Participants on the basis of equality and mutual benefit. Areas of mutual interest and potential cooperation include:

- Energy Storage
- Energy Efficiency
- Demand-Side Management
- Renewable Energy Development
- Integrated Resource Planning

[Haidian District of Beijing](#)

Signed: June 7, 2017

Term: 5 years

This MOU establishes the Clean Technology Innovation Partnership between the Haidian District of Beijing and the California Energy Commission in an effort to facilitate cooperation on research, innovation, and investment in low-carbon development and clean energy resources.

[National Ministry of Science and Technology](#)

Signed: June 6, 2017

Term: 5 years

This MOU was signed during Governor Brown's visit to China and the Clean Energy Ministerial (CEM8) in 2017. This MOU set the foundation for additional MOUs at the Provincial level in order to advance cooperation on innovation and technology – specifically technology and innovation aimed at advancing mutually beneficial low-carbon and sustainable, renewable energy development.

[Province of Jiangsu](#)

Signed: June 5, 2017

Term: 5 Years

This MOU was signed in Nanjing, during Governor Brown's visit to China for the Clean Energy Ministerial (CEM8) and the second meeting of the Under2 Coalition. It states the intent of the Parties to facilitate cooperation on research, innovation, and investment in low-carbon development and clean energy resources. Cooperation between the Participants is based on a mutual understanding of shared issues and concerns as they relate to research, innovation, and commercialization of clean technologies. To achieve their objectives, the Participants agree to develop the California-Jiangsu Clean Technology Partnership, which will provide a mechanism for cooperation. Areas of cooperation include, but are not limited to, clean energy technologies;

greenhouse gas emission and air pollution reduction programs; environmental protection technologies; and information technologies and techniques.

[Province of Sichuan](#)

Signed: June 4, 2017

Term: 5 years

This MOU establishes a Friendship Province/State Relationship and is a follow up to a similar MOU, signed previously in Seattle, Washington, on September 20, 2015, which promoted practical cooperation in the fields of trade, investment, science, education, smart cities, and culture and tourism. This MOU indicates the commitment of both Parties to maintain regular intergovernmental engagement through ongoing exchange of personnel, culture, and ideas. Additionally, this MOU states the intent of both Parties to strengthen cooperation in low carbon technologies, environmental protection, and clean energy development through the establishment of the California-Sichuan Clean Energy Partnership.

[Beijing Municipal Environmental Protection Bureau](#)

Signed: June 7, 2016

Term: 4 Years

This is the most recent version of the MOU on Environmental Cooperation between the California Environmental Protection Agency and the Beijing Environmental Protection Bureau. It renews and strengthens the cooperative relationship established through previous MOUs in 2005 and 2013. The focus of the agreement is to promote cooperation and collaboration in science, technology, and policies in the field of environmental protection. The main areas of cooperation and common interest include environmental management legislation, policy and regulation; air quality management; water management and services; solid waste management and recycling; capacity building; and public education.

[Beijing Municipal Commission of Development and Reform](#)

Signed: June 7, 2016

Term: 3 years

The purpose of this MOU is to commit to agreement of the [U.S.-China Joint Statement on Climate Change](#), and to promote the long-term transformation to a low-carbon, livable, ecological, and environmentally protected society.

Areas of cooperation include:

- Sharing information on low-carbon policies and standards
- Low-carbon planning and technical means
- Promoting the development of clean and sustainable energy and smart grid
- Establishing and developing carbon emission trading
- Advancing low-carbon transportation and relative technology, etc.

[Zhenjiang Municipal People's Government](#)

Signed: December 7, 2015

Term: No Expiration

The MOU is a Plan of Actions on Low-Carbon Cooperation between Zhenjiang Municipal People's Government and the State of California. It builds on a previous MOU signed by the Parties in Los Angeles months earlier, on September 15, 2015, and aims to strengthen cooperation on low carbon development in an effort to maximize contributions to addressing climate change. Areas of joint focus include low-carbon urban planning, low carbon industries, renewable and clean energy, low-carbon transportation, new-energy vehicles, clean water industry, eco-building, energy conservation, energy-efficiency, and high-efficiency agriculture. Furthermore, the MOU promotes regular technical exchanges.

[Province of Jiangsu](#)

Signed: October 5, 2015

Term: No Expiration

In order to enhance cooperation on low-carbon development and climate change and contribute to the implementation of the [2014 Sino-US Joint Declaration on Climate Change](#), this MOU provides a framework for the Participants to carry out practical exchanges and cooperation in the areas of low-carbon smart cities

planning, the promotion of clean energy, and the reduction of carbon emissions. Additionally, this MOU states the intent of the Participants to reduce air pollutants, including carbon emissions related to port activities.

[Province of Sichuan](#)

Signed: September 22, 2015

Term: 3 Years

This Memorandum of Understanding establishes a relationship of friendly cooperation between Sichuan Province and the State of California. It was signed alongside the US-China Governors' Forum in Seattle Washington in 2015, and includes, among other key areas of focus, the Parties' intention to strengthen cooperation in the areas of clean energy and environmental protection. Additionally, this MOU contains Sichuan's intent to support the subnational climate initiative and low carbon actions led by the State of California (Under2 MOU).

[National Development and Reform Commission](#)

Signed: September 15, 2015

Term: 4 years

This MOU aims to further strengthen and coordinate efforts to combat global climate change, promote clean and efficient energy, and support low-carbon development, while protecting public health, the environment, and natural resources. A few areas of cooperation listed include:

- Activities to mitigate carbon emissions
- Implementing controls on carbon, methane, and other gases with high global warming potential
- Activities to implement carbon emissions trading systems and other market-based instruments
- Activities that reduce energy consumption
- Increasing electrified transportation
- Supporting new and expanded markets for clean and efficient energy technologies
- Activities that support subnational climate change leadership on low-carbon development

[Municipality of Zhenjiang](#)

Signed: September 15, 2015

Term: No Expiration

This MOU seeks to contribute to the implementation of the [2014 Sino-US Joint Declaration on Climate Change](#) through joint cooperation on low carbon development and climate change. It provides a framework for carrying out practical exchanges and cooperation with specific focus on the reduction of greenhouse gas emissions, energy efficiency, and the development of low carbon smart cities and clean technologies.

Additionally, this MOU contains an appendix stating Zhenjiang's intent to endorse the Under2 MOU.

[Province of Guangdong](#)

Signed: September 21, 2014

Term: 5 years

This sister-state MOU builds on the MOU signed between the State of California and Guangdong Province on April 15, 2013, and based on the principle of equality and mutual benefits, both State and Province agree to proactively push for the growth of two-way trade and investment. Additionally, this MOU declares a joint commitment to concrete initiatives in areas including, but not limited to, science and technological innovation, low-carbon development, environmental conservation, clean energy, education, training, tourism, and cultural exchange.

[Inner Mongolia Autonomous Region of China](#)

Signed: October 14, 2013

Term: No Expiration

This MOU builds on the Memorandum of Understanding on the Establishment of a Joint Working Group on Trade and Investment Cooperation that was signed between Chinese Provinces and California. This MOU seeks to expand cooperation in the fields of trade and investment, with specific focus on the following areas: industrialization of agriculture and animal husbandry; rare earth, coal, and nonferrous metals; new energy development and ecological environmental protection; infrastructure, equipment manufacturing, and modern logistics; biological medicine; cultural tourism; finance; information industry; and modern service industry.

This MOU has been inactive and should be reviewed and reevaluated.

[Province of Guangdong](#)

Signed: April 15, 2013

Term: No Expiration

This MOU states the intent of the State of California and the Province of Guangdong to engage in friendly exchange and cooperation in an effort to strengthen cooperation in multiple areas, including, but not limited to, science and technological innovation, environmental conservation, and renewable and sustainable energy.

[Province of Jiangsu](#)

Signed: April 14, 2013

Term: No Expiration

This MOU on friendly cooperation was signed in Nanjing and promotes friendly exchanges in culture, humanities, and the promotion of pragmatic cooperation. Areas of cooperation include new energy and information technology.

[National Ministry of Commerce](#)

Signed: April 10, 2013

Term: No Expiration

This MOU establishes the China Provinces and US California Joint Working Group on Trade and Investment Cooperation, which seeks to expand trade and investment cooperation, strengthen communication, enhance trust, boost economic growth, and create jobs. This MOU was born out of the consensus reached between California Governor, Edmund G. Brown Jr. and China's President Xi (then Vice President Xi), in February 2012. Energy, environmental protection, infrastructure, information technology, agriculture, and manufacturing are included amongst the various sectors of cooperation.

**Denmark (2)**

[The Government of Denmark](#)

Signed: April 30, 2018

Term: 20 Months

Denmark has experience and history in developing offshore wind energy facilities and California is exploring the feasibility, potential impacts, and appropriate offshore locations for wind facilities. The objective of this MOU is to share knowledge, experiences, data, and best practices relevant to the development of offshore wind energy.

[The Government of the Kingdom of Denmark](#)

Signed: September 19, 2017

Term: 5 years

This MOU is focused on water and climate issues. The Parties have agreed to work cooperatively to promote a mutually beneficial relationship in the field of water technology, management, and regulation.

**France (1)**

[Government of the French Republic](#)

Signed: December 7, 2015

Term: 4 years

This Joint Declaration to Support Sustainable Economic Development was signed alongside the COP21 in Paris, France. It states the commitment by both Parties to share and cooperate in the application of sustainable policies and practices. Mutually beneficial areas of cooperation and development include climate change mitigation, carbon pricing, adaptation and resiliency, water management, transportation, clean energy, sustainable buildings and cities, and the development of solutions at the regional and local level.

**Germany (1)**

[Land Baden-Württemberg, Federal Republic of Germany](#)

Signed: September 15, 2018

Term: No Expiration

Over the years, California and Baden Württemberg have enjoyed a strong bilateral relationship. In 2015, California and Baden Württemberg jointly launched the Under2 Coalition as an initiative for climate protection. That Coalition has since developed into a worldwide movement of subnational governments committed to reducing greenhouse gas emissions and limiting the increase in global warming. This Sister-State Agreement expresses the intention of California and Baden Württemberg to engage in future mutually beneficial cooperation in the areas of climate, energy and environmental policies, transportation transformation, urban infrastructure development, economic cooperation, information technology, science, research, arts, and culture.

## **India (1)**

### [Forum of Regulators](#)

Signed: March 28, 2014

Term: 5 years

The objective of this MOU is to explore potential future collaboration among the Participants in the field of energy sector planning from various perspectives, including but not limited to providing energy access to all, ensuring affordability, enhancing energy security, and meeting environmental goals.

## **Israel (2)**

### [Government of the State of Israel](#)

Signed: June 24, 2014

Term: No Expiration

This MOU states the intent of the Office of the Chief Scientist of the Ministry of Economy of the State of Israel and the Governor's Office of Business and Economic Development of the State of California to cooperate in industrial research and development in order to enhance their industrial competitiveness and strengthen economic and commercial cooperation. This MOU builds on the MOU previously signed between the Parties on March 5, 2014.

### [Government of the State of Israel](#)

Signed: March 5, 2014

Term: No Expiration

Seeking to expand the current level of cooperation between Israel and California, this MOU establishes a formal relationship to foster economic cooperation and economic development, facilitate joint industrial research and development, and enhance business relationships and educational opportunities aimed at fostering job creation and the incubation of global solutions from joint California-Israel innovation initiatives. Key sectors of focus include: water conservation and management, alternative energy and related clean technologies, health and biotechnology solutions, cyber security, arts and culture, education, and agricultural technologies.

## **Japan (4)**

### [Government of Japan](#)

Signed: September 5, 2016

Term: 4 Years

Both California and Japan share concern about the threat of climate change as outlined in the Intergovernmental Panel on Climate Change, as well as the Scientific Consensus Statement on Maintaining Humanity's Life Support Systems in the 21st Century. Given the global nature of climate change, this MOU states the intent of both Parties to promote dialogue and joint projects on climate change mitigation and adaptation, short-lived climate pollutants, and cleaner freight transport. Additionally, the Parties agree to promote dialogue and joint projects on clean energy technology trade and deployment, with a particular focus

on energy efficiency and renewable energy development. The Parties also agree to cooperate and support the expansion and use of energy storage technologies, while encouraging economic and business development related to the clean technology sector, zero-emission vehicles, high-speed rail, and water conservation and management.

[New Energy & Industrial Technology Development Organization \(NEDO\)](#)

Signed: September 10, 2015

Term: June 30, 2020

This MOU builds upon the original framework set forth in the Memorandum of Cooperation on Climate Change, Renewable Energy, Trade and Investment, Vehicles, High-Speed Rail, and Water between the Government of Japan and the State of California of the United States of America dated September 5, 2014, and defines the objective and outline of the project, which is to demonstrate that a redox flow battery can be used for both fast response and long duration applications and would provide significant assistance for issues caused by increased use of renewable energy resources.

[New Energy & Industrial Technology Development Organization \(NEDO\)](#)

Signed: September 10, 2015

Term: June 30, 2020

This MOU builds upon the original framework set forth in the Memorandum of Cooperation on Climate Change, Renewable Energy, Trade and Investment, Vehicles, High-Speed Rail, and Water, that was signed between the Parties on September 5, 2014, and supersedes the Letter of Intent for Cooperation in a feasibility study between the Parties concerning the demonstration project for electric vehicle driving behavior, dated October 14, 2014.

Specifically, this MOU clarifies previous agreements and provides the objective, outline, and implementation schedule of the joint project to deploy DC Fast Chargers and monitor EV Driving Behavior.

[Osaka Prefecture](#)

Signed: June 11, 2013

Term: No Expiration

This MOU builds on the existing Sister-State relationship between Osaka Prefecture and the State of California. Signed by Governors Matsui and Brown, it expresses the intent to support and encourage economic and trade cooperation between the two Parties in the areas of clean energy, environmental protection, information technology, bio-tech, manufacturing, and tourism. Additionally, the Parties agree to support and encourage cooperation on the reduction of greenhouse gas emissions and the promotion of low-carbon development, mutual understanding and friendship, higher education, and trade and investment.

**Mexico (8)**

[City of Mexicali](#)

Signed: December 7, 2018

Term: No Expiration

This Memorandum of Cooperation further implements initial priority focus areas identified in the Imperial County-Mexicali Air Quality Work Plan and aims to improve air quality in the border region. Through enhanced availability of air quality data to better understand the causes and severity of air pollution in the region, this agreement aims to facilitate enforcement and regulation of applicable air quality laws in Mexicali by allowing focused control efforts on sources causing the increased concentrations of particulate matter (PM).

The purpose of this Memorandum of Cooperation is to provide for the establishment and operation of a network of 50 PM air sensors in Mexicali, Baja California, by the Municipality. The sensors will be used to enhance PM monitoring in the municipality, facilitate exchange of information related to air quality in the region, and enhance the capacity of municipal authorities to enforce regulations to limit activities known to adversely impact air quality. The ownership of the sensors will remain with the California Air Resources Board and all responsibilities for the operation and maintenance of the sensors will be carried out by the Mexicali municipality. Quarterly submittal of inspection reports will be sent to the California Air Resources Board for three years from the date of signature of this agreement.

[State of Aguascalientes](#)

Signed: January 30, 2017

Term: 2 years

The objective of this MOU between the State of Aguascalientes and the California Energy Commission is to encourage collaboration on clean energy policies and programs on the basis of equality and mutual benefit. The areas of cooperation include the promotion of energy efficiency; demand-side management; renewable energy development and grid integration; integrated resource planning; grid operation and management; low and zero-emission vehicles; and clean energy technology.

[Secretariat of Agriculture Development of the State of Baja California](#)

Signed: June 14, 2016

Term: 4 years

The objective of this MOU, between the Baja California's Secretariat of Agriculture Development and California's Department of Food and Agriculture, is to establish a framework for the Parties to carry out cooperative activities and exchange information in the areas of animal health, plant health, and food safety. One of the modalities of cooperation includes the promotion of natural resources in the region by way of maintaining the ecological and economic sustainability of the Parties.

[Secretariat of Tourism](#)

Signed: August 26, 2014

Term: No Expiration

This MOU, between Mexico's Secretariat of Tourism and the State of California, seeks to develop and strengthen cooperation between the two Parties within the tourism sector.

[National Ministry of Economy](#)

Signed: July 30, 2014

Term: No Expiration

The purpose of this MOU is to establish a formal and flexible framework between the Participants in order to strengthen trade and investment cooperation and communication, enhance trust, boost economic development, create jobs, and foster scientific and technological collaboration for business development in key emerging sectors, including, but not limited to, advanced manufacturing, alternative and renewable energy, environmental protection and other related clean technologies, information technologies, cross-border goods movement infrastructure, and agriculture and agricultural technologies.

[National Ministry of Labor & Social Welfare](#)

Signed: July 30, 2014

Term: No Expiration

This Letter of Intent to Cooperate on a Migrant Worker Pilot Program states the intent of the State of California and Mexico's Ministry of Labor and Social Welfare to cooperate in the creation of a voluntary pilot program aimed at preventing abuses in the recruitment of Mexican H-2 temporary workers.

[National Ministry of Energy](#)

Signed: July 29, 2014

Term: 5 years

The objective of the MOU for Cooperation in Clean Energies between the California Energy Commission and Mexico's Ministry of Energy is to encourage and promote technical, bilateral cooperation and joint implementation of programs and activities in the fields of low-carbon energy, clean technologies, biofuels, and energy efficiency. All cooperation will take place on the basis of mutual benefit, equality, and reciprocity in a manner that incorporates best practices and lessons learned while boosting economic development in both regions and enhancing diversity, reliability, and affordability of energy supplies.

[State of Mexico](#)

Signed: July 12, 2013

Term: No Expiration

California has effective and transparent vehicle inspection control systems, which over the years have resulted in vastly improved air quality, and Mexico has made a commitment to implement the enforcement of a modern

environmental protection policy, that shall be inclusive, effective, and transparent regarding the control of contaminant emissions and vehicle inspection. Beyond strengthening friendship, cooperation, and institutional ties, this Letter of Intent Regarding Environmental Protection initiates a process of evaluation and implementation of mechanisms for collaboration and exchange in the area of technology transfer of Verification Centers' Control Systems operated in California, with the goal of reducing emissions of contaminants and training public officers in the State of Mexico for the use of such systems.

### **Netherlands (3)**

#### [National Ministry of Infrastructure and the Environment](#)

Signed: March 24, 2017

Term: No Expiration

This Letter of Intent on Environmental cooperation is the second renewal of the Letter of Intent signed initially in Sacramento, on October 30, 2013, and then again on March 3, 2015, in The Hague. The initial Letter of Intent, from 2013, referred to the MOU between the California Plug-in Electric Vehicle Collaborative and the Coast to Coast e-Mobility Connection as endorsers of the collaboration.

This most recent version of the Letter of Intent on Environmental Cooperation builds on cooperation with other national and subnational jurisdictions to accelerate the electrification of transportation through the International Zero-Emission Vehicle Alliance (ZEV Alliance) and the Agreement to establish the Coast to Coast Sustainable Investment Finance Program on Smart and e-Mobility (C2C SIF).

In this Letter of Intent, the two Parties note that successful collaboration has also enabled the Working Agreements between the Province of Noord-Holland and the California Energy Commission and the California Department of Transportation to collaborate on knowledge exchange and implementation of SolaRoad.

#### [Kingdom of the Netherlands](#)

Signed: January 9, 2017

Term: 2 Years

This Letter of Intent reaffirms the cooperation on Climate Change, Smart and e-Mobility, and Energy Innovation between California and the Kingdom of the Netherlands and bases continued commitment on the success of former and active cooperation between the two regions. Additionally, this Letter of Intent promotes the exchange of information and understanding with respect to stimulating access to capital and finance for young, innovative companies in an effort to advance ZEV and Smart Mobility market deployment in both regions.

#### [Province of Noord-Holland](#)

Signed: March 11, 2015

Term: No Expiration

In 2014, Commissioner Scott, of the California Energy Commission, and Vice-Governor Post, of the Province of Noord-Holland, expressed mutual interest to develop a working agreement on sustainable transportation and energy innovation in order to help meet 2050 greenhouse gas and energy goals.

This working agreement outlines areas of focus for information exchange and potential joint projects.

In this Working Agreement, the Coast to Coast e-Mobility Program will serve as the Liaison between the California Energy Commission and the Province of Noord-Holland on the developments of the working agreement, and is required to report annually on the progress of the agreement/developments.

### **Norway (1)**

#### [Ministry of Climate and Environment](#)

Signed: August 2, 2017

Term: To be reviewed every 2 years

Norway and California share the long-term goal of becoming low-emission societies. Both aim to reduce greenhouse gas emissions by 80% or more as compared to their 1990 levels by 2050. Through this Declaration on Intent, Norway and California seek to foster a closer working relationship to promote climate action at all levels. The key areas of engagement include climate change policy, reduced deforestation, zero-emission transportation, and climate-friendly energy systems.

### **Peru (1)**

#### [State of Peru](#)

Signed: February 26, 2014

Term: No Expiration

This MOU seeks to strengthen cooperation between the Government of the Republic of Peru and the Government of the State of California and creates a framework for cooperation in areas of mutual benefit, including the areas of climate change mitigation and adaptation, and the reduction of greenhouse gas emissions, including from the agricultural and forestry sectors. As part of the environmental focus of this MOU, the Parties agree to promote dialogue, technical exchange, and joint projects in climate change mitigation and adaptation policies, air quality, forest management, water quality and management, and the promotion of clean technologies.

### **Scotland (2)**

#### [Government of Scotland](#)

Signed: January 15, 2018

Term: 5 years

This letter of Cooperation builds on the previous letter signed on April 3, 2017, which focused on taking Ambitious Action on Climate Change and the development of a Low-Carbon Economy. This new letter states the intent to continue support for these actions as well as to increase efforts to reduce greenhouse gases, expand renewable energy development, and advance decarbonization efforts. Additionally, this Letter of Cooperation commits the Governments of California and Scotland to share knowledge, experiences, data, and best practices relevant to the development of offshore wind energy.

#### [Government of Scotland](#)

Signed: April 3, 2017

Term: No Expiration

In this Letter of Cooperation Scotland and California, as members of the Under2 Coalition, affirm their strong commitment to take ambitious action on climate change and further the development of the low-carbon economy.

### **Spain (1)**

#### [Government of Catalonia](#)

Signed: April 6, 2015

Term: No Expiration

This MOU between the State of California and Catalonia, Spain, is an agreement to support and encourage economic and trade cooperation in various areas, including environmental protection, water resources management, advanced agriculture and food technologies, and clean and sustainable mobility, including public transportation, high-speed train, electric vehicles, and green ports.

### **Sweden (1)**

#### [Ministry of Environment and Energy](#)

Signed: April 19, 2017

Term: No Expiration

This Letter of Cooperation between the Ministry of the Environment and Energy of the Kingdom of Sweden and the State of California on Cooperation in the Field of Climate Change recognizes the importance of the Paris Agreement and the need for the global community, at various levels of governance, to address climate change. In this Letter of Cooperation, Sweden and California agree to cooperate to combat climate change through various means, including initiatives aimed at reducing transportation emissions, sharing best practices, and supporting the promotion development, and expansion of renewable energy. Additionally, this Letter of Cooperation states that Sweden and California will push for higher global ambitions on climate change through the UNFCCC and the Under2 Coalition, and will work individually and together to link and align

efforts between the two, as well as draw more international attention to the actions and ambitious reduction goals that are needed.

### **World Bank (1)**

#### [World Bank Sustainable Low-Carbon Development](#)

Signed: November 11, 2016

Term: 3 years

This MOU focuses on sharing knowledge and good practices with other territories and cities to advance sustainable, low-carbon development strategies, tools, and practices consistent with the goal of limiting global warming well below 2 degrees Celsius above pre-industrial levels and to pursue efforts to limit the temperature increase even further, to 1.5 degrees Celsius.

### **Multilateral Agreements:**

#### [Under2 MOU](#)

Signed: May 19, 2015

Term: No Expiration

This first-of-its kind agreement was initially signed by Governor Edmund G. Brown Jr. and international leaders from 11 other states and provinces on May 19, 2015. Over the years the number of signatories has grown into a Coalition of more 200 governments around the world, all committed to keeping global temperature rises to well below 2°C.

#### [United States Climate Alliance](#)

Signed: June 1, 2017

Term: No Expiration

Founded by the U.S. States of California, Washington, and New York, in response to President Trump's decision to withdraw from the Paris Agreement. The U.S. Climate Alliance is a bipartisan coalition of governors committed to reducing greenhouse gas emissions consistent with the goals of the Paris Agreement. Focused on state-to-state cooperation, Alliance members are committed to the acceleration and deployment of climate solutions needed to help each state achieve their climate goals.

The Alliance is led by three guiding principles:

1. States are continuing to lead on climate change.
2. State-level climate action is benefitting our economies and strengthening our communities.
3. States are showing the nation and the world that ambitious climate action is achievable.

#### [Governors' Accord for a New Energy Future](#)

Signed: February 16, 2016

Term: No Expiration

The Governors' Accord for a New Energy Future is a bipartisan platform for governors to collaborate on clean energy opportunities. By deploying renewable, cleaner and more efficient energy solutions, we can drive economic growth, provide durable and resilient infrastructure, and protect the health of our communities. While each state's energy needs and resources are unique, collaboration on a national scale is key to energy policy progress in the United States. The Governors' Accord aims to help governors collaborate on policy, planning, and best practices to achieve a stronger national energy future for the 21st century.

#### [Governors' Climate and Forest Task Force](#)

Signed: November 18, 2008

Term: No Expiration

On November 18, 2008, the U.S. states of California, Illinois, and Wisconsin, the Brazilian states of Amapá, Amazonas, Mato Grosso, and Pará, and the Indonesian provinces of Aceh and Papua signed Memoranda of Understanding on climate and forests cooperation at the Governors' Climate Change Summit in Los Angeles, California. These agreements established the Governors' Climate and Forest (GCF) Task Force designed to advance jurisdiction-wide approaches to low emissions development and Reducing Emissions from Deforestation and forest Degradation (REDD+). Since its first meeting in 2009, the GCF Task Force has more

than tripled its membership and expanded its reach to include jurisdictions from multiple countries. The GCF Task Force provides a foundation for cooperation on a number of issues related to climate policy, financing, technology exchange, and research.

[North American Climate Leaders Statement](#)

Signed: November 13, 2017

Term: No Expiration

The North American Climate Leaders Statement was signed in Bonn, Germany at the Conference of Parties (COP23). Signatories include Canada, Mexico, and the U.S. Climate Alliance committed to standing together to combat climate change and support clean growth across North America. In the Statement, the signatories agreed to strengthen climate initiatives through the North American Climate Leadership Dialogue and share their goals at the 2018 Global Climate Action Summit (which took place in San Francisco in September 2018). Areas of focus include clean transportation and zero-emission vehicles, vehicle efficiency, clean technology, supporting clean power while reducing reliance on coal-fired electricity, carbon pricing initiatives, and the reduction of short-lived climate pollutants.

On September 13, 2018, alongside the Global Climate Action Summit, the North American Climate Leaders signed another Statement, committing to advance improvements in energy efficiency, electrification, and greenhouse gas emission performance of vehicles.

[Pacific Coast Action Plan on Climate & Energy](#)

Signed: October 28, 2013

Term: No Expiration

Signed at the Fourth Annual Leaders' Forum of the Pacific Coast Collaborative, the Governors of California, Washington, Oregon, and the Premier of British Columbia agreed primarily to:

1. Lead national and international policy on climate change
2. Transition the West Coast to clean modes of transportation and reduce the large share of greenhouse gas emissions from this sector
3. Invest in clean energy and climate-resilient infrastructure

[Pacific North America Climate Leadership Agreement](#)

Signed: June 1, 2016

Term: To be Reevaluated in 3 years

In an effort to demonstrate global leadership by providing a model for how decisive, coordinated subnational climate action can contribute to robust regional economic growth and inspire global action on greenhouse gas emissions reductions that meaningfully combat climate change and its impacts, the members of the Pacific Coast Collaborative (PCC) agree to work together on low-carbon development of buildings, transportation, energy systems, and waste.

[Pacific Coast Climate Leadership Action Plan](#)

Signed: June 1, 2016

Term: No Expiration

The Governments of British Columbia, California, Oregon, and Washington agree to:

1. Demonstrate global subnational leadership and ambition on climate and clean energy policy and the success of equitable low-carbon regional economies
2. Lead national and international policy on climate change
3. Increase awareness, understanding, and action on ocean acidification and other climate-related changes in ocean conditions"
4. Transition the West Coast to clean modes of transportation and reduce greenhouse gas emissions from this sector
5. Invest in clean energy
6. Increase climate resilience

[State of Washington and Province of British Columbia](#)

Signed: December 18, 2018

Term: No Expiration

This Memorandum of Understanding is a multilateral agreement between California, Washington, and British

Columbia that expresses the richness, value, and many benefits of Pacific Coast Temperate Forests and also the threat of climate change to the forest ecosystem. Within the MOU each signatory pledges to work together to preserve the natural biodiversity and health of forests, to share best practices on forest management, preservation, and conservation, and to engage in scientific study, adaptive practice, improved data and modeling, and indigenous traditional knowledge within their respective jurisdictions in an effort to better understand forest carbon dynamics and response to climate changes.

[State of Acre & State of Chiapas](#)

Signed: November 16, 2010

Term: No Expiration

This Memorandum of Understanding on Environmental Cooperation between the State of Acre, in Brazil, the State of Chiapas, in Mexico, and the State of California, in the U.S. focuses on joint efforts to enhance policies for environmental protection and sustainable natural resources. The MOU prioritizes cooperation on reducing emissions from deforestation and land degradation and also on the sequestration of additional carbon through the restoration and reforestation of degraded lands and forests, through improved forest management practices.

[State Zero-Emission Vehicle Programs](#)

Signed: October 24, 2013

Term: No Expiration

Signatories to the State Zero-Emission Vehicle Programs Memorandum of Understanding agree to coordinate actions to support and ensure the successful implementation of their 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.

[Transport Decarbonisation Alliance](#)

Signed: September 12, 2018

Term: No Expiration

The [Transport Decarbonisation Alliance](#) (TDA) was launched in 2018, and consists of countries, cities and regions, and companies eager to pave the way for an accelerated worldwide transformation towards a net-zero emission mobility system before 2050. The TDA is part of the 12 commitments made at the One Planet Summit hosted by President Emmanuel Macron in Paris, France, in December 2017. This agreement was signed in San Francisco, alongside the Global Climate Action Summit, in September 2018, by California State Transportation Agency Secretary Brian Annis, making California the first North American member of the International Transport Decarbonisation Alliance.

[The U.S.-China Governors' Accord on Clean Energy and Economic Development](#)

Signed: September 22, 2015

Term: No Expiration

The U.S.-China Governors' Accord on Clean Energy and Economic Development strives to accelerate the utilization of renewable resources and commercialize new clean and renewable energy technologies. Areas of focus include: the commercialization and deployment of clean and renewable energy technologies; the promotion of energy efficiency in buildings and industries; advancing smart grids and other programs to modernize the electrical grid infrastructure; and the reduction of transportation emissions.

[Zero Routine Flaring by 2030 Initiative](#)

Signed: December 28, 2015

Term: No Expiration

On December 28, 2015, California Environmental Protection Agency Secretary, Matt Rodriquez, sent a letter confirming California's endorsement of the "Zero Routine Flaring by 2030" Initiative, and committed to eliminate existing legacy routine flaring no later than by 2030 and to help ensure that new oil fields are developed with plans that include a gas utilization solution without routine flaring or venting.

[ZEV Alliance](#)

Signed: September 29, 2015

Term: No Expiration

On September 29, 2015, California joined with 10 European and North American governments as founding partners of the International ZEV Alliance – an international alliance to accelerate the world’s adoption of zero-emission vehicles. Members of the International ZEV Alliance collaborate on ambitious targets to get more zero-emission vehicles on the roads, share data and best practices and encourage other governments to join them. The founding members were announced during a signing event at the Quebec government in New York. In addition to California, founding members of the Alliance included The Netherlands, Norway and the United Kingdom in Europe; Connecticut, Maryland, Massachusetts, Oregon, Rhode Island and Vermont in the United States; and Québec. Since the founding of the ZEV Alliance, additional governments have joined.