



## States and Regions commitments to the Clean Revolution and the Green Economy

**Following** the commitments outlined in the 2010 Cancun Statement of Federated States & Regional Governments on Low Carbon & Climate Resilient Development, the States and Regions of the TCG Alliance hereby agree to further commit to developing specific policies and/or financial mechanisms within their remit to reduce greenhouse gas (GHG) emissions, stimulate green jobs, promote sustainable transport and energy efficiency, and accelerate the deployment of renewable energy.

These specific policies and actions are part of a needed Clean Revolution to achieve a transition towards sustainable production and consumption patterns, and to make the Green Economy the basis of our development model in this decade. By doing so, we aim to contribute in the achievement of sustainable development and human wellbeing goals. We also aim to ensure that any costs associated with these activities do not disproportionately affect the most vulnerable.

The signatories to this statement have agreed, at the Alliance's General Assembly of June 18<sup>th</sup> 2012 in Rio de Janeiro, on the actions listed below<sup>1</sup>. They have also agreed to continue to provide The Climate Group with updates on these and other actions taken in their respective jurisdictions with respect to the Clean Revolution and the Green Economy.

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<sup>1</sup> This list of actions herein is a first set of necessary sectoral actions for the overall transformational change needed for a Clean Revolution.

### Sustainable Transport

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**Recognizing** that 17% of energy-related Greenhouse Gas (GHG) emissions arise from road transport and **further recognizing** the sector's contribution to the additional challenges of poor urban air quality and energy insecurity;

**We will work with** our partners<sup>2</sup> to:

- **Encourage** ambitious reductions in the use of fossil fuels in road transport;
- **Improve** and scale up rail and river transport;
- **Work towards** appropriate legislation and financial mechanisms within our remit to encourage buyers towards more efficient internal combustion engines (ICE), sustainable alternative fuel (and electric (including full electric and plug-in hybrid electric) vehicles, and smaller, lighter vehicles;
- **Support** the development of low-emission vehicles (for example through financing research and development activities, implementing pilot projects, ensuring the technical design of plugs and charging technology is harmonized, providing incentives for the purchase and/or use of electric vehicles) and adequate regulation;
- **Phase out transport** fossil fuel subsidies for conventional vehicles, particularly where other low-carbon options are available;
- **Support** development and expansion of car sharing and car pooling schemes;
- **Put systems in place** to ensure green energy is widely available for electric vehicles, and other alternative fuel based on the size and capacity of our respective regions; and
- **Encourage** other measures reducing black carbon and other pollutants

**We aim to:**

- further develop high quality and efficient public transport;
- **Adopt** alternative fuel and electric vehicles through our directly-owned fleets, subject to fiscal restraints, with the goal of securing significant new fleet purchases in this category within our regions;
- **Take all reasonable steps** within our jurisdiction to encourage the adoption of alternative fuel and electric vehicles within the wider vehicle fleet, with a goal of securing significant growth in alternative fuel and electric vehicles in our regions;

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<sup>2</sup> This refers more specifically to collaboration in areas that may not be directly or solely under the control of federated states or regional government (i.e. recognising that states and regions may have to partner with federal/national and/or local levels of government to achieve many of the goals outlined in this document).

- **Encourage** co-operation between commercial fleet owners within our jurisdictions with the objective of co-ordinating the sharing of information and the joint procurement of alternative fuel and electric vehicles (i.e. purchasing coalitions), where appropriate;
- **Engage** with businesses within our jurisdictions to maximize the sales of alternative fuel, hybrid, and full-electric vehicles; and
- **Track and report** on our respective actions<sup>3</sup>, aspiring to the introduction of a significant and transformational number of alternative fuel and electric vehicles on the road by the end of 2020 through our collective action.
- **Change infrastructure** systems accordingly, and eventually install enough alternative fuel and charging stations on the roads to accommodate the general use of these low or non-carbon vehicles.

### Energy Efficiency

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**Recognizing** that in many parts of the developed world the building sector accounts for 40% energy consumption, and this pattern is being followed by developing economies, contributing to an increase in GHG emissions;

**Recognizing** that lighting accounts for 6% the world's energy related GHG emissions and 19% of the world's electricity use;

**We will work with** our partners to

- **Incentivize** efficient lighting technologies, (for example LEDs) and smart lighting controls where appropriate, as they hold particular promises for achieving better energy efficiency;
  - **Avoid constructing** inefficient buildings that may cause a high-carbon lock-in effect for many years through appropriate efficiency policies
  - **Support changes to** state building energy codes and street/roadway lighting policies that call for greater energy efficiency in lighting.
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### We aim to:

- **Encourage** targets for the reduction of GHG emissions from the use of (indoor and outdoor) individual lighting sets, and for the reduction of GHG emissions from electricity use by government-operated outdoor lighting by 2020;
- **Encourage** ambitious building design, maintenance and operation, with appropriate appliances, heating, cooling, air conditioning and ventilation systems, combined with high level insulation;
- **Engage** with businesses within our jurisdictions to maximize the uptake of energy efficient lighting and smart lighting controls;
- **Work** with our transportation departments to explore and adopt the most promising energy efficient technologies for use on streets and roadways, with LED lighting and smart lighting controls where appropriate;
- Strengthen finance models for energy efficient and high quality refurbishment in buildings;
- **Support** business models which are based on energy efficiency profitability
- **Work** with our departments that manage our government-owned buildings and facilities to retrofit them with more energy efficient lighting technologies;
- **Adopt**<sup>4</sup> individual targets, where possible, towards at least an overall 20% reduction of GHG emissions in public buildings, relative to 2010 levels by 2020;
- **Encourage co-operation** between our regions to co-ordinate the sharing of information with regards to the scale-up of LEDs with smart controls; and
- **Track** our respective actions in line with the above goals.

### SMART Technology

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**Recognizing** that 80% of global energy consumption occurs in cities;

**We will work with** our partners to

- **Develop policy** to deliver the co-benefits of economic development and environmental performance through 'smart green technologies' – particularly in the areas of monitoring, electricity, fuel or resource efficiency and optimization, in particular to help citizens manage and control their consumption;
- **Support** the usage of open and secure protocols and standards for data access and communications in smart meters, smart transportation and smart grid rollouts;
- **Improve** the overall efficiency of urban systems; and
- **Incentivize** smart green technologies.

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<sup>4</sup> With respect to each state or region's capacity

#### We aim to:

- **Encourage** reduced GHG emissions from electricity and heat consumption in urban environments by adopting innovative solutions, policies and finance mechanisms to stimulate the scale-up of 'smart' services and green cities;
- **Encourage co-operation and** partnerships among cities, regions and companies to develop awareness in the added value of 'smart' services in cities, and adopt policies and finance mechanisms to support smart technologies;
- **Encourage** the development of regions as smart communities based on smart cities.<sup>5</sup>
- **Engage businesses** within our jurisdictions to develop smart green technologies; and
- **Track** our respective actions in line with the above goals.

#### Renewable Energy

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**Recognizing** that fossil fuels are a finite resource and that the energy sector<sup>6</sup> accounts for 28% the world's GHG emissions

**We will work with** our partners to introduce policies to:

- **Increase the uptake** on renewable energy;
- Better provide the workforce of the RE sector with the skills they will need to perform their tasks;
- **Support the development** of emerging renewable energy technologies.

#### We aim to:

- **Set** ambitious targets to increase the deployment of renewable energy and report against these targets;
- **Implement** policies to assist with the development of emerging renewable energy technologies so that they can be deployed commercially;
- **Share knowledge** on strategies and technologies to overcome impediments to greater take-up of renewable energy, including those addressing enabling infrastructure;
- **Encourage** the transfer of skills, experience and data acquired from experience with renewable energy in support of our commitment to engaging with developing state and regional governments;
- **Engage businesses and other stakeholders** within our jurisdictions to move swiftly to increase the deployment of renewable energy;

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<sup>5</sup> Thus smart cities will implement actions according to previous strategy planning on energy issues. These actions will be composed of a set of EE and RES activities.

<sup>6</sup> Electricity and Heat

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## States and Regions

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- **Increase public awareness** so as to better deal with misinformation, lack of understanding and not-in-my-backyard syndrome toward Renewable Energy, informing people of the benefits this type of energy involves; and
- **Reduce administrative barriers** making it difficult and time-consuming to obtain licenses for deployment and/or grid connection and operation of Renewable Energy installations.