



# ENERGY

Sustainable Energy for All, Global Energy  
Efficiency Accelerator Platform  
Action Statement and Action Plan

*Provisional copy*



**CLIMATE SUMMIT 2014**

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UN HEADQUARTERS · NEW YORK  
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## Action Statement

### **Sustainable Energy for All, Global Energy Efficiency Accelerator Platform**

On the occasion of the UN Secretary-General's Climate Summit on 23 September 2014, we the undersigned national and municipal governments, together with many partners from the private sector, finance institutions and international and civil society organizations,<sup>1</sup>

**announce our commitment to participate in and contribute to the Sustainable Energy for All Global Energy Efficiency Accelerator Platform, being launched today.**

The Global Energy Efficiency Accelerator Platform is a flagship programme of the Sustainable Energy for All Initiative, led by the UN Secretary-General and the President of the World Bank, that works on doubling the global rate of improvement in energy efficiency as one of its objectives for 2030.

Greater energy efficiency provides a triple rationale for action through advancement towards achieving global climate goals in the form of emissions reductions, economic benefits (increased productivity, lower costs, net job creation) and improvement of people's well-being. Current and planned policies, according to the International Energy Agency, can harness merely a third of the economically viable energy efficiency potential. Exploiting its full potential requires additional investments in end-use efficiency of \$11.8 trillion over 2012-2035. This would save consumers \$17.5 trillion in energy expenditures cumulatively and reduce annual CO<sub>2</sub> emissions by about 7 gigatonnes (Gt) in 2035.

**The partners herewith pledge to contribute to expanded global actions to accelerate energy efficiency in one or more of these five areas: vehicles, lighting, appliances, buildings and district energy systems.**

- **Vehicle Fuel Efficiency Accelerator:** Governments joining the Global Fuel Economy Initiative under this accelerator are committing to develop national fuel economy policies. For the Climate Summit, ten of the 40 countries involved have expanded their commitments. Achieving the GFEI target, of doubling by 2030 the efficiency of all new vehicles and by 2050 the complete global vehicle fleet, would save over 1 Gt of CO<sub>2</sub> a year by 2025 and over 2 Gt/yr by 2050, and result in savings in annual oil import bills alone worth over \$300 billion in 2025 and \$600 billion in 2050.
- **Lighting Efficiency Accelerator:** Under the en.lighten initiative, as a Summit commitment, eleven additional countries are joining the 55 countries currently working to accelerate deployment of highly efficient lighting technologies. These additional countries will save over

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<sup>1</sup> The list of stakeholders is indicative and should be viewed as a first indication of partners who committed to participate in and contribute to the Sustainable Energy for All Global Energy Efficiency Platform. Sustainable Energy for All is in the process of gathering additional stakeholders who have expressed interest in joining the Platform.

2 TWh in electricity consumption yearly, reduce by 440 kilotons their emissions of carbon dioxide, and see reductions in electricity bills of over \$270 million each year.

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- **Efficient Appliances Accelerator:** For the Summit, 16 countries in Latin America and the Caribbean and 12 countries in Southern Africa have expressed their intention to join the new Global Partnership on Appliances and Equipment, to put in place norms and policies that promote use of highly efficient appliances. By promoting the deployment of high efficiency air conditioners, refrigerators and fans alone, these countries will reduce electricity consumption by 165 TWh per year, avoid emission of 54 million tons of GHGs, and save over \$22 billion in electricity bills.
- **Building Efficiency Accelerator:** A new accelerator is being launched to mobilize support for city, state, regional and national governments to speed up adoption of best-practice policies and the implementation of building efficiency projects. Five cities have joined and a number more are in process. It is estimated that through increasing energy efficiency in buildings, more than 23 GtCO<sub>2</sub> could be avoided between 2015 and 2030.
- **District Energy Accelerator:** Nineteen cities have expressed their intention to join this new initiative to develop and implement a low-carbon district energy policy, and planning and investment road maps, supported by private sector, financial and international partners. Estimates are that these 19 cities could achieve a combined reduction of at least 5 MtCO<sub>2</sub> annually through district energy systems.

#### **Partners of the Global Energy Efficiency Accelerator Platform:**

**National governments:** Angola, Bangladesh, Botswana, Brazil, Belize, Chile, Costa Rica, Colombia, Cook Islands, Democratic Republic of Congo, Dominican Republic, Ecuador, El Salvador, Ethiopia, Guatemala, Honduras, Indonesia, Kiribati, Lesotho, Malawi, Marshall Islands, Mexico, Micronesia, Mozambique, Namibia, Nepal, Nicaragua, Palau, Panama, Paraguay, Peru, Samoa, Serbia, Solomon Islands, South Africa, Sri Lanka, Swaziland, Tanzania, Tuvalu, Uruguay, Vanuatu, Vietnam, Zambia, Zimbabwe<sup>2</sup>

**Municipal and regional governments:** Timphe City (Bhutan), Betim, Recife and Sorocaba (Brazil), Manitoba and Vancouver (Canada), Anshan, Liaoning Province and Jinan, Shandong Province (China), Bogotá and Santiago de Cali (Colombia), San Jose (Costa Rica), Copenhagen (Denmark), Quito (Ecuador), Helsinki (Finland), Paris (France), Milano (Italy), Toyama (Japan), Astana and Almaty (Kazakhstan), Nairobi (Kenya), Iskandar Region (Malaysia), Mexico City and Leon (Mexico), Ulan Bator (Mongolia), Cetinje (Montenegro), Rotterdam (Netherlands), Lima (Peru), Manila (Philippines), Seoul (Republic of Korea), Focsani (Romania), Vaxjo (Sweden), London (UK), Milwaukee and St. Paul (USA).

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<sup>2</sup> A complete list of countries partnering with the Sustainable Energy for All Global Energy Efficiency Platform can be found at [www.se4all.org](http://www.se4all.org).



**Other partners:** ABB, Accenture, Asian Development Bank, Banamex, Bosch-Siemens Hausgeraete, CLASP, Clean Energy Ministerial, Climespace, Copenhagen Centre on Energy Efficiency, Danfoss, Empower, Energy + (Norway), Euro Heat and Power, European Bank for Reconstruction and

Development, Energies2050, en.lighten Initiative, GDG Suez, GEF, Global Buildings Performance Network, Global Fuel Economy Initiative, Grundfos, IDEA, Inter-American Development Bank, ICLEI (Local Governments for Sustainability), International Copper Association, International District Energy Association, International Energy Agency, International Finance Corporation (EDGE), International Partnership for Energy Efficiency Cooperation, Johnson Controls, MABE, Philips, Natural Resources Defense Council, National Lighting Test Center of China, Osram, Schneider Electric, Siemens, UNDP, UNEP, UN Foundation, UN-Habitat, United Technologies, Urban Land Institute, US Department of Energy, US Green Building Council, World Business Council for Sustainable Development, Vattenfall, Velux, Veolia, World Bank (ESMAP), World Bioenergy Association, World Green Building Council, World Resources Institute, World Wind Energy Association.

## Action Plan

### Sustainable Energy for All

#### Global Energy Efficiency Accelerator Platform

Responding to the request of UN Secretary-General Ban Ki-moon to deliver, at the Climate Summit, ambitious action to reduce greenhouse gas emissions, the Sustainable Energy for All (SE4ALL) partners are launching a Global Energy Efficiency Accelerator Platform, under which a unique alliance of partners are committing to new and expanded actions to accelerate energy efficiency in five areas: vehicles, lighting, appliances, buildings and district energy. An additional three accelerators, one for industry, one for the power sector and one for Small and Medium Enterprises, are currently being developed. All commitments in the framework of the platform support the Sustainable Energy for All goal of doubling the global rate of improvement of energy efficiency by 2030. The energy sector is a key driver of climate change, responsible for roughly two thirds of human-generated emissions.

Under the leadership of the SE4ALL Advisory Board Energy Efficiency Committee, co-chaired by UNEP, Denmark and Accenture, with coordination by the SE4ALL Global Facilitation Team and Energy Efficiency Hub, these actions involve a wide range of government, private sector, civil society organizations and UN system partners.

Commitments are being announced in sectoral areas. In addition, a number of national and municipal governments are joining the Global Energy Efficiency Accelerator Platform at a cross-sectoral level, along with international organizations and financial institutions that will help them prepare road maps and investment and action plans.

#### Commitments to Action

- Integrated Policy and Investment Roadmaps will be developed at the country, region, state, city or sector level in collaboration with national and sub-national governments, business and civil society stakeholders, using collaborative, multi-stakeholder workshops to define and prioritize policy and project actions. These Roadmaps will guide project implementation supported by a global network of experts, institutions and businesses.
- The Accelerator Platform will provide governments with a standardized menu of policy options and technical support leveraging best-in-class toolkits, databases and subject matter experts.
- Sustainable Energy for All will promote funding to support policy development and project implementation through its network of public and private financial institutions and donors.

### **Public-Private Collaboration under the Global Energy Efficiency Platform**

- Many cities, states and regions around the world have been leaders in driving energy efficiency policies and practices within their jurisdictions. There remains a need for stronger collaboration between the public sector, which has the task of setting policy and regulatory frameworks, the private sector to drive technology standards, financial solutions and targeted incentives to accelerate improvements, and civil society to mobilize the broader public. The Accelerator Platform aims at promoting these essential public-private partnerships.
- Participating national and sub-national governments will be expected to make a commitment to double the rate of energy efficiency by 2030 in targeted sectors within their jurisdiction. They also intend to implement and improve enabling policies and major projects subject to support and funding. The commitment includes tracking and reporting on energy efficiency performance, and sharing experiences and best practices with other governments to scale up action and investment worldwide in energy efficiency.
- Funding will be mobilized for these activities based on commitments.

### **Global Energy Efficiency Accelerator Platform**

The Global Energy Efficiency Accelerator Platform offers a menu of accelerators from which cities, regions and countries choose for their engagement in the framework of Sustainable Energy for All. The Platform gives countries the opportunity to assess their needs and priorities, in order to select those accelerator(s) with which to engage. At the Climate Change Summit a number of countries, cities and regions are announcing their interest to engage in the platform with a view to developing a plan of action to scale up energy efficiency. These countries, cities and regions are in addition to those that are currently engaged with one or more specific accelerators listed below. These national and municipal partners include: Chile, Nicaragua, Lima (Peru), Leon (Mexico), Rio de Janeiro (Brazil), Almaty and Astana (Kazakhstan), Ulan Bator (Mongolia), Cetinje (Montenegro), Warsaw (Poland), Timphu City (Bhutan), the Metropolitan Area of Manila (Philippines), Jinan City (China), and the Iskandar Development Region of Malaysia (eight municipalities). International partners include the World Bank (ESMAP), IDB, UNDP, UNEP, EBRD, ADB and Energy + (Norway).

- **Vehicle Fuel Efficiency Accelerator**

Governments joining the Global Fuel Economy Initiative under this accelerator are committing to develop national fuel economy policies, with support from the private sector and NGOs at national level, and globally by international finance institutions, UN agencies and donors. The GFEI target is to double by 2030 the efficiency of all new vehicles and by 2050 the complete global vehicle fleet – from 8 liters per 100 km to 4 liters per 100 km. This would save over 1 gigatonne (Gt) of CO<sub>2</sub> a year by 2025 and over 2 Gt/yr by 2050, and result in savings in annual oil import bills alone worth over \$300 billion in 2025 and \$600 billion in



2050. Of 40 countries considering and receiving support under the GFEI to move towards greater fuel economy, for the Climate Summit ten countries have expanded commitments to adopt and implement fuel economy policies.

**At the Climate Summit 2014 expanded commitments on the Vehicle Fuel Efficiency Accelerator are made by:** Bangladesh, Chile, Costa Rica, Ethiopia, Indonesia, Nepal, Serbia, Sri Lanka, Uruguay, Vietnam<sup>3</sup>

- **Lighting Efficiency Accelerator**

The en.lighten initiative – a public-private partnership that accelerates the global transition to efficient lighting – is being expanded as a SE4ALL Lighting Efficiency Accelerator supporting the overall Summit commitment on energy efficiency. en.lighten currently works with 55 developing and emerging countries on norms and policies that enable the accelerated deployment of highly efficient lighting technologies. Eleven additional countries are joining the effort as a Summit commitment and will receive assistance in moving their markets to the most advanced lighting technologies. These countries will as a consequence save over 2 TWh in electricity consumption yearly, reduce by 440 kilotons their emissions of carbon dioxide, and see reductions in electricity bills of over \$270 million each year. If all countries were to make similar commitments – which is the goal of en.lighten – the global transition to efficient lighting would save 1,044 TWh of electricity annually – approximately 5.6 per cent of global electricity consumption – with annual reductions of 534 million tonnes of CO<sub>2</sub> annually. Partners of the initiative include Australia and private sector partners such as Philips Lighting, Osram and the National Lighting Test Center of China.

**At the Climate Summit 2014 new commitments on the Lighting Efficiency Accelerator are made by:** Cook Islands, Kiribati, Marshall Islands, Micronesia, Nepal, Palau, Peru, Samoa, Solomon Islands, Tuvalu, Vanuatu<sup>4</sup>

- **Efficient Appliances Accelerator**

The new Global Partnership on Appliances and Equipment supports countries to put in place norms and policies leading to the deployment of highly efficient air conditioners, refrigerators, fans, electric motors and distribution transformers. Sixteen countries in Latin America and the Caribbean and twelve countries in Southern Africa have expressed their willingness to join the Global Partnership in support of the SE4ALL Accelerator on Appliances and Equipment. The uptake of efficient appliances and equipment in these countries will

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<sup>3</sup> A complete list of countries partnering with the Vehicle Fuel Efficiency Accelerator under the Sustainable Energy for All Global Energy Efficiency Platform can be found at [www.se4all.org](http://www.se4all.org).

<sup>4</sup> A complete list of countries partnering with the Lighting Efficiency Accelerator under the Sustainable Energy for All Global Energy Efficiency Platform can be found at [www.se4all.org](http://www.se4all.org).



achieve significant electricity and carbon dioxide savings. By promoting the deployment of high-efficiency air conditioners, refrigerators and fans alone, these countries will reduce electricity consumption by 165 TWh per year, avoid emission of 54 million tons of greenhouse gases, and save over \$22 billion in electricity bills. Private sector partners include ABB, MABE and Bosch-Siemens Hausgeraete; international partners include UNEP, UNDP, CLASP, the International Copper Association and the Natural Resources Defense Council.

**At the Climate Summit 2014, new countries expressing their intention to join the partnership of the Efficient Appliances Accelerator include:** Belize, Brazil, Chile, Colombia, Costa Rica, Dominican Republic, El Salvador, Ecuador, Guatemala, Honduras, Mexico, Nicaragua, Panama, Paraguay, Peru and Uruguay; Angola, Botswana, Democratic Republic of Congo, Lesotho, Malawi, Mozambique, Namibia, South Africa, Swaziland, Tanzania, Zambia, Zimbabwe<sup>5</sup>

- **Building Efficiency Accelerator:** A new Building Efficiency Accelerator is being launched, to mobilize support for city, state, regional and national governments to speed up adoption of best-practice policies and the implementation of building efficiency projects. Private sector leaders are actively participating, as are financial institutions, CSOs and international organizations. These partners will facilitate collaborative, multi-stakeholder workshops to discuss current action, and define and prioritize policy and project commitments. Partners will provide a standardized menu of policy options and technical support including leveraging best-in-class tools, databases and subject matter experts. Policy options will include such areas as government leadership, building codes and equipment standards, performance benchmarking and disclosure, third-party financing models and utility programmes. Finally, the partnership will help governments communicate and promote their commitments, secure financial support, calculate their baseline, report progress and provide a platform for sharing experiences, challenges and best practices with other governments. Through a range of actions to increase energy efficiency in buildings, it is estimated that more than 23 GtCO<sub>2</sub> could be avoided between 2015 and 2030.

**At the Climate Summit the new Building Efficiency Accelerator is launched by:**

National and municipal governments: Copenhagen (Denmark), Toyama (Japan), Mexico City (Mexico), Lima (Peru), Milwaukee (USA). Private sector: Johnson Controls, Velux, Philips, United Technologies. Financial institutions: World Bank (ESMAP), Inter-American Development Bank, Asian Development Bank, International Finance Corporation (EDGE),

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<sup>5</sup> A complete list of countries partnering with the Efficient Appliances Accelerator under the Sustainable Energy for All Global Energy Efficiency Platform can be found at [www.se4all.org](http://www.se4all.org).

European Bank for Reconstruction and Development, Banamex. International and civil society organizations: World Business Council for Sustainable Development, Global Buildings Performance Network, UNDP, UNEP, UN Foundation, International Partnership for Energy Efficiency Cooperation, International Energy Agency, Clean Energy Ministerial, Urban Land Institute, US Green Building Council, World Green Building Council, World Resources Institute.

- **District Energy Accelerator:** The new Global Initiative on District Energy Systems aims to support cities and sub-national/national governments to develop, retrofit or scale up district energy systems, with support from international and financial partners, and the private sector. Eighteen cities, seven private sector partners, two international networks and five international partners are interested to join the new initiative on district energy. The accelerated deployment of resilient low-carbon, modern district energy systems in these countries and cities will result in significant fuel savings and greenhouse gas emissions reductions, while achieving multiple socio-economic benefits. By using district heating, cooling or combined systems, five of those cities with established district energy systems have already achieved a combined reduction of 1.4 Mt CO<sub>2</sub> per year. If another ten of the remaining cities replicate such systems, together those cities could reach at least 5 MtCO<sub>2</sub> combined reduction annually only through district energy systems. Low-carbon district energy systems could avoid over 35 Gt CO<sub>2</sub> emissions at low cost by 2050, which is equivalent to 58 per cent of the global CO<sub>2</sub> emissions reductions required to keep the global rise in temperature to 2-3° C. District energy systems could result in a 7 per cent reduction in overall capital investment in the power sector by 2030, amounting to \$795 billion of investment savings.
- **At the Climate Summit, the new District Energy Accelerator is launched by:**  
National/municipal: Anshan (Liaoning Province, China) Betim (Brazil), Bogotá (Colombia), Focsani (Romania), Helsinki (Finland), Jinan (Shandong Province, China), London (UK), Milano (Italy), Nairobi (Kenya), Paris (France), Quito (Ecuador), Recife (Brazil), San Jose (Costa Rica), Santiago de Cali (Colombia), Seoul (Republic of Korea), Sorocaba (Brazil), St. Paul (USA), Vancouver (Canada), Vaxjo (Sweden). Private sector: Danfoss, Grundfos, Siemens, Veolia, Vattenfall, Climespace, Empower. International partners: UNEP, UN-Habitat, International Energy Agency, Copenhagen Centre on Energy Efficiency, Euro Heat and Power, International District Energy Association, US Department of Energy, World Bioenergy Association, World Wind Energy Association. Networks: ICLEI (Local Governments for Sustainability), Energies2050.



**Next Steps after the UN Climate Summit:** Leaders are encouraged to announce and commit to detailed plans for measurable gains in energy efficiency toward the Sustainable Energy for All objective of doubling the rate of improvement by 2030.

Other opportunities for similar announcements:

- Lima COP, 2014
- World Economic Forum, January 2015
- Sustainable Energy for All Forum, 2015
- Paris COP, 2015

The Global Energy Efficiency Accelerator Platform joint statement and the sectors of the action plan remain open after the Climate Summit for additional partners to join at a later date. Any parties interested in joining this announcement can contact the Sustainable Energy for All Initiative at [energyefficiencyplatform@se4all.org](mailto:energyefficiencyplatform@se4all.org), hosted in Vienna.