



Accelerating Action in Doha

The **Business Council for Sustainable Energy** (BCSE)'s clean energy industries—energy efficiency, renewable energy and natural gas—are providing technology solutions that help businesses, governments and households reduce greenhouse gas (GHG) emissions and adapt to the impacts of climate change.

Positive policy signals from Doha could accelerate investment & deployment of existing clean energy technologies.

In Doha, continued progress by governments to advance institutions in finance, technology, and market mechanisms; as well as collective efforts to increase ambition to reduce GHG emissions can help accelerate investment and deployment of clean energy technologies.

The BCSE calls for decisions to be taken at COP-18 and discussions that begin in Doha for a post-2020 agreement to:

- Launch the **Climate Technology Center & Network (CTC&N)**, include the private sector on its Advisory Board and build off of existing networks of expertise. The Center can showcase how enabling policy frameworks can help build a market and incentivize action

to improve energy efficiency and integrate low-carbon and renewable energy sources.

- Recognize the critical role innovation plays in developing the next generation of climate solution technologies and the importance of ensuring enabling environments to facilitate that innovation.
- Encourage the **Green Climate Fund** to take an innovative approach to financing climate solutions and incorporate private sector experience into its design, governance and operation.
- Activate partnerships with the private sector for adaptation to assist local policy-makers, who are increasingly challenged by extreme weather events and a changing climate.
- Build upon efforts to price carbon in markets around the world, ensure fungibility and clear accounting practices, and include new market mechanisms.
- Utilize private sector expertise in reporting, verifying and monitoring actions to reduce greenhouse gas emissions to build transparency and strengthen trust as negotiations begin for a new regime.

Low-Carbon Housing in Costa Rica

Building technologies are critical tools in the effort to mitigate GHG emissions in emerging economies that are facing rapid population growth and escalating urbanization. **The Center for Environmental Innovation in Roofing**,¹ in conjunction with the Costa Rican Ministry of Housing and Environment Canada, is constructing pilot houses that will be a model for low-carbon construction practices in the low- and middle-income housing sectors. The projects are intended to be comprehensive and focus on low-carbon building envelope strategies and designs, proper insulation practices, passive cooling, air and vapor barrier methodologies, and “solar-ready roofs” to support periods of peak demand. Costa Rica has long occupied a unique leadership role in environmental stewardship and the project participants hope to extend the lessons learned in this initiative throughout Central America and the Caribbean.

The Potential of the Climate Technology Center & Network (CTC&N)

The CTC&N will help developing countries access the valuable expertise and business networks needed to attract investment and disseminate clean energy technologies. Further, the CTC&N can build capacity at the local level by helping governments identify barriers to investment and technology deployment and offering policy frameworks that overcome such obstacles.

By recognizing the importance of private sector engagement, the CTC&N can provide a repository of clean energy companies' expertise, best practices and experience, which decision-makers can use to design policy and market frameworks appropriate to meet local needs, while creating commercially viable markets to support sustainable economic growth. Here are some examples:

Innovating to Assist Climate Mitigation Efforts

Wireless Reach projects demonstrate innovative uses of **Qualcomm**² technology that aim to drive human and economic progress in underserved areas. Intellectual property is a critical part of the innovation equation that fuels the mobile revolution. The rapid trajectory of mobile advances over the past quarter-century is due in significant part to the risk-reward incentives of the intellectual property system.

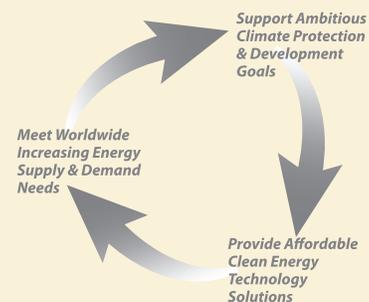


Project Surya leverages 3G technology that partners believe will have positive public health benefits in India.

Project Surya is a new climate mitigation effort in India, where participants and researchers will use 3G mobile phones equipped with cameras to measure the change in indoor air pollution levels as traditional indoor cookers are replaced with new cleaner burning cook stoves. Data collected using the mobile phones will be recorded to assess the impact on villager health and will potentially support the expansion of the project in other developing countries.

Industrial Energy Efficiency: Improving Economic Competitiveness

As countries look to grow their economies, the retrofitting of manufacturing facilities and power plants can offer significant energy and emissions savings. Jupiter Oxygen Corporation's (JOC)³ patented oxy-combustion process has significantly reduced fuel consumption and costs, as well as GHG emissions at an aluminum recycling and manufacturing plant in the United States. Building upon that success, JOC is now applying this technology to natural gas and coal-fired boilers for steam generation and power plants.



JOC's Vision of Sustainable Development and Promotion of Clean, Energy Efficient Technologies.

The JOC high flame temperature oxy-combustion process maximizes heat transfer effectiveness, enables cost-effective carbon capture and key air pollutant control from these sources and helps reduce parasitic power losses associated with carbon capture and storage technologies. Essential to this business model is a market that will utilize the captured CO₂, such as enhanced oil recovery, enhanced coal bed methane recovery and bio fuels from algae. JOC's integrated approach to industrial efficiency offers a pathway forward as countries prepare to improve their competitiveness and transition to a low-carbon economy.

¹ For more information, please see <http://www.roofingcenter.org>

² For more information, please see <http://www.qualcomm.com/about/citizenship/wireless-reach>

³ For more information, please see <http://jupiteroxygen.com>

About the BCSE

The Business Council for Sustainable Energy (BCSE) represents a broad portfolio of existing clean energy business sectors, including renewable energy, supply side and demand-side energy efficiency and natural gas and electric utilities in North America. The Council is celebrating its 20th anniversary and has represented the views of clean energy industries in the United Nations Framework Convention on Climate Change (UNFCCC) since its inception in 1992. For more information, please visit <http://www.bcse.org> and follow on Twitter: @BCSECleanenergy.