



COP 22 BUSINESS & INDUSTRY DAY SIDE EVENT

BUSINESS PLANS, NATIONALLY DETERMINED CONTRIBUTIONS (NDCS) & TRANSFORMING THE POWER PARADIGM

With the rapid entry into force of the Paris Agreement, it is critical to translate the hope of Paris into the reductions needed to achieve the long-term goals. At this side event, business and policy leaders will discuss how to transform Nationally Determined Contributions (NDCs) into clean energy action plans. Panelists will offer their perspective on how low-carbon development pathways can help address the common goals of increasing energy productivity, addressing climate resilience, deploying more low-carbon electricity, increasing the efficiency of buildings and homes in our cities, and making the electric grid smarter.

PANELISTS:

LISA JACOBSON

President, Business Council for Sustainable Energy (*Moderator*)

KATERI CALLAHAN

President, Alliance to Save Energy

ELIZABETH BEARDSLEY

Senior Policy Counsel, U.S. Green Building Council

CATHY WOOLLUMS

Senior Vice President, Environmental Services and Chief Environmental Counsel, Berkshire Hathaway Energy

HARRY VERHAAR

Head of Global Public & Government Affairs, Philips Lighting

ABDHESH SINGH

Executive Director, Electrical, Delhi Metro Rail Corporation

BUSINESS PLANS, NDCS AND TRANSFORMING THE POWER PARADIGM

Friday, November 11

13:15 – 14:45

Blue Zone, Room Arabian

CONTACTS

Laura Tierney **Marisa Long**

Business Council for Sustainable Energy

U.S. Green Building Council

ltierney@bcse.org

mlong@usgbc.org

Not in Marrakech? Watch live YouTube Webcast on: [UNFCCC Climate Change Studio channel](#)

Join the conversation on Business Day #bizCOP22 and with the panelists on Twitter:

[@BCSECleanEnergy](#) [@ToSaveEnergy](#) [@KateriCallahan](#) [@USGBC](#) [@lizbeardsley1](#) [@PhilipsLight](#)

SPEAKER BIOS

Elizabeth Beardsley, Senior Policy Counsel, U.S. Green Building Council (USGBC): Ms Beardsley, P.E., manages key international partnerships and guides USGBC's efforts in federal, state and local policy, including the nexus of buildings and climate mitigation. She was previously a Senior Attorney in Natural Resources at the U.S. GAO and enjoyed a first career as a Principal environmental engineer at CDM. Liz has a B.S. in Civil Engineering from Stanford University and a J.D. from the University of Virginia School of Law.

Kateri Callahan, President, Alliance to Save Energy: Ms. Callahan brings more than 25 years of experience in policy advocacy, fundraising, coalition building and organizational management to The Alliance, a premier non-government organization headquartered in Washington, D.C., that is dedicated to advancing energy efficiency worldwide to achieve a healthier economy, a cleaner environment and greater energy security. In addition to her work leading the Alliance, Callahan serves as a "C3E Ambassador"- a group of 20 distinguished senior professionals who share an interest in broadening the recruitment, retention and advancement of highly qualified women in the field of clean energy.

Lisa Jacobson, President, Business Council for Sustainable Energy: Ms. Jacobson leads BCSE, a coalition of clean energy companies and associations from the energy efficiency, natural gas and renewable energy sectors in the U.S. She advises state and federal policymakers on energy, tax, air quality and climate change issues. Ms. Jacobsen received a M.S. in International Relations from the London School of Economics and Political Science; and a B.S. degree in Political Science from the University of Vermont.

Abdhesh Singh, Executive Director, Electrical, Delhi Metro Rail Corporation: A.K. Singh, an engineering Graduate and M.S. from IIT Delhi, has worked in Indian Railways in various capacities and fields such as rail traction, maintenance and operation of electrical multiples unit suburban transport system in metro cities like Mumbai, long haul 3 Φ electric locomotives, construction of mass rapid transit systems in underground and elevated stations, and more. For this dedication and outstanding contributions, he was awarded with the Minister of Railways Award. He has been a pioneer of the green movement in metro systems and has led Delhi Metro to become a leader in measuring and reducing carbon emissions.

Harry Verhaar, Head of Global Public & Government Affairs, Philips Lighting: Harry Verhaar has over 20 years of experience in the lighting industry and is responsible for the strategy, outreach and stakeholder management on energy & climate change, resource efficiency and sustainable development, with a key focus on the role of the LED lighting revolution. He has, since the end of 2003, been the architect of the lighting strategy on energy and climate change, which has resulted in a global momentum on phasing out of old lighting technologies. Harry is a recipient of the 2011 UN Leader of Change Award, and has received the Carbon War Room's Gigaton award on behalf of Philips at COP17 in Durban. In May 2015 he received the Energy Efficiency Visionary Award from the Alliance to Save Energy in Washington DC. He holds a MSc in Solid State Luminescence from the University of Utrecht, The Netherlands

Cathy Woollums, Senior Vice President, Environmental and Chief Environmental Counsel, Berkshire Hathaway Energy: Ms. Woollums is responsible for the development and implementation of the company's worldwide corporate environmental policy, strategy and programs; oversight of the organization's environmental compliance assurance management activities and systems; environmental permitting, monitoring and reporting; and support of the company's environmental litigation. Ms. Woollums received her B.A. in Political Science from Winona State University, her J.D. from Drake Law School, and is licensed to practice law in Iowa and Illinois.