

Tamil Nadu – Massachusetts Energy Partnership Dialogue

October 21 -25, 2019

U.S. Delegation Biographies

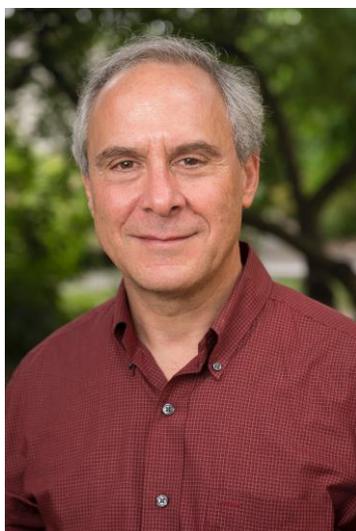


Patrick Woodcock

Patrick Woodcock is the Undersecretary of Energy in the Executive Office of Energy and Environmental Affairs and has been with the Commonwealth since 2017. In that position, Undersecretary Woodcock oversees the Department of Energy Resources and the Department of Public Utilities and also serves as a MA representative to the New England States Committee on Electricity (NESCOE).

Prior to that time, Woodcock was Director of the Maine State Energy Office, a position he held from 2013 through 2016. In that role, he was a Member of Board of the Efficiency Maine Trust as well as Maine’s representative to NESCOE.

Previously, Woodcock worked for United States Senator Olympia Snowe in her Washington, D.C. office and was one of the lead congressional staffers that authored the overhaul of fuel economy standards in the 2007 Energy Independence and Security Act. Woodcock graduated Bowdoin College and holds a Bachelor of Arts degree in Government.



Dr. Dwayne Breger

Dwayne Breger is an Extension Professor in Environmental Conservation and Director of the Clean Energy Extension at the University of Massachusetts (UMass) Amherst. The Clean Energy Extension supports state goals to accelerate clean energy markets in Massachusetts through market outreach, technical assistance, undergraduate and graduate student training, and applied research. Dwayne’s teaches courses in clean energy policy and analytical methods for climate and energy policy. Prior to coming to UMass in 2015, Dwayne spent 13 years as the Director of Renewable Energy for the MA Department of Energy Resources. Dwayne was an AAAS/U.S. EPA Environmental Science and Engineering Fellow, and a U.S. participant in the International Energy Agency Solar Heating and Cooling Program. Dwayne holds a B.S. in Engineering from Swarthmore College, an M.S. in Technology and Policy from M.I.T., and a Ph.D. in Resource Eco-

nomics from UMass Amherst.



Michael Judge

Michael Judge has served as the Director of the Electric Power Division at the Department of Public Utilities (DPU) since July 2019. As Director, Michael manages all electric policy issues related to the regulation of the Commonwealth’s three investor owned electric distribution companies and approximately 70 licensed retail electricity suppliers. Before moving to the DPU, he spent nine years serving in various roles at the Department of Energy Resources, including four years as the Director of its Renewable and Alternative Energy Division, where he was responsible for designing and implementing policies

and programs to promote the development of renewable and alternative energy in both Massachusetts and the surrounding region. Prior to his time at DOER, he worked at the Massachusetts Clean Energy Center on the implementation and administration of its solar rebate programs. He is a graduate of the University of Massachusetts Amherst.



Andrew Kimball

Andrew Kimball is an energy analyst at the Massachusetts Executive Office of Energy and Environmental Affairs. Andrew supports the secretariat with research and analysis relating to EEA’s major policy programs, covering areas such as offshore wind, energy storage, solar, and transportation electrification. A graduate of the Fletcher School of Law and Diplomacy’s Center for International Environment and Resource Policy, Andrew is thrilled at the opportunity to work at the nexus of international affairs and energy.



Galen Nelson

Galen is the Chief Program Officer at the Massachusetts Clean Energy Center where he leads overall strategic direction and programmatic efforts in the built environment, transportation, and grid modernization realms. Over his nearly 10 years at MassCEC, Galen has played a central role in developing many of the organization’s technology and market development programs, which provide targeted, strategic, and timely resources to help clean energy companies and entrepreneurs develop technologies, move closer to commercialization and market growth. Galen launched MassCEC’s microgrid and energy resilience initiatives and played a central role in shaping and

launching the organization’s business and finance model innovation programs, in the energy storage and clean transportation sectors.

Prior to joining the MassCEC, Galen designed and managed an array of clean energy, green building, and sustainability programs at the City of Boston, and co-developed the City’s green building affordable housing policies. Galen has co-founded two cleantech startups and has over 10 years’ experience developing programs, policies, and pilots at the city and state levels often at the intersection of urban planning, economic development, and clean energy. He holds a Bachelor of Arts from Colby College.



Dr. Angeliki Diane Rigos

Dr. Angeliki Diane Rigos is the Executive Director of the MIT Tata Center for Technology and Design and works on MIT Energy Initiatives focused on graduate education.

Her areas of research have included corrosion studies of supercritical water oxidation reactors used to destroy military toxic waste, Brownian dynamics simulations of order-disorder transitions in sheared colloidal suspensions, modeling of diffusion controlled reactions and conformational interconversion in protein crystals.

For twelve years, she also worked as an energy consultant at Levitan & Associates, Inc. with a focus on power price forecasting, LNG, fuel cells, and renewable technologies including onshore / offshore wind and solar photovoltaics. Dr. Rigos has volunteered in startup accelerators, as an industry mentor in Cleantech Open and an industry champion at MassChallenge. Dr. Rigos received a B.A. in Chemistry from Cornell University, a Ph.D. in Physical Chemistry from the Massachusetts Institute of Technology, an M.B.A. from Northeastern University and is an alumna of HERS Denver 2015.



Carl Spector

Carl Spector is Commissioner of the Environment for the City of Boston. He oversees programs related to climate mitigation and adaptation, environmental protection, historic preservation, and other aspects of sustainability. Before joining the City of Boston in 2005, Carl worked on a wide variety of environmental and energy issues for the federal government and in private industry. He holds degrees in physics and environmental science.



Mark Sullivan

In February 2016, Governor Charles Baker appointed Mark as the Executive Director for the Massachusetts Office of International Trade and Investment (MOITI). MOITI is the Commonwealth’s primary international business development agency charged with promoting trade and investment with global partners in Massachusetts and around the world. Prior to MOITI, Mark had 30-year diversified career with Verizon Communications including extensive international experience.

Mark holds a Master in Business Administration (MBA) from Bentley University and a Bachelor of Business Administration from Saint Michaels College.

Joanna Troy



Joanna Troy is the Director of Energy Policy and Planning at the Massachusetts Department of Energy Resources. Joanna had lead efforts to achieve clean, affordable, and resilient energy for the Commonwealth through clean energy procurements for large hydroelectric and offshore wind energy generation and energy policy planning through the Comprehensive Energy Plan and the Energy Storage Initiative. Joanna has also worked on low and moderate income program equity through Governor Baker’s Affordable Access to Clean and Efficient Energy Initiative, working with the Massachusetts Department of Housing and Community Development on renewable energy and energy efficiency programs. Joanna received a Master’s Degree in Earth and Environmental Sciences from Lehigh University and a Juris Doctorate from the University of Houston Law Center.

Dr. Kartikeya Singh



Charged with leading the Center’s engaging Indian states initiative, Dr. Singh has served as the Deputy Director and Senior Fellow of the Wadhvani Chair in U.S. – India Policy Studies and Senior Fellow of the Energy & National Security Program at CSIS.

Prior to joining CSIS, Dr. Singh worked at the U.S. Department of Energy supporting and managing U.S.-India and U.S.-Pakistan bilateral energy cooperation. He has traveled from the Antarctic to the Arctic, exploring the challenges of energy geopolitics in a changing climate. His work has allowed him to field-test

and deploy clean energy technologies, including electric vehicles and off-grid solar solutions in India and Uganda, respectively. His ability to create networks and foster cross-sectoral partnerships started with the founding of the Indian Youth Climate Network (IYCN), a nonprofit designed to build a national movement to drive India to lead the clean energy revolution. From 2009 to 2012, Dr. Singh served as an adviser and negotiator on behalf of the Republic of Maldives at the UN

Framework Convention on Climate Change, focusing on mitigation and technology transfer. He used this experience in the intergovernmental negotiation process to train diplomats and other government officials on climate change negotiation and renewable energy technology deployment. In addition, he has served on the external advisory committees focused on sustainability for major corporations such as Électricité de France and LafargeHolcim. Dr. Singh received his B.S. in ecology and sustainable development from Furman University, his M.E.Sc. from the Yale School of Forestry and Environmental Studies, and his Ph.D. from the Fletcher School of Law and Diplomacy.

Afeena Ashfaque



Afeena Ashfaque is a program coordinator and research assistant with the Wadhvani Chair in U.S.-India Policy Studies at Center for Strategic and International Studies. Her research focuses on Indian domestic policy, particularly the role played by India’s states in setting policy and driving development. She is responsible for coordinating the U.S.-India State and Urban Initiative, the chair’s first-of-its-kind effort to build subnational partnerships to drive energy development in India and the United States. Previously, she worked on facilitating bilateral trade in agriculture between India and South Africa while working at the South African

High Commission in New Delhi, India.