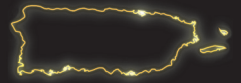


The **Center for a New Economy** presents

Black Start 2019_ **Future of Energy Summit**

BlackStart2019.com

#BlackStart



Black Start (n.)

: procedure to restart or restore power in the event of a total or partial shutdown of an energy system

It took Puerto Rico nearly a year to restore power to residents after Hurricane María – a time frame so drawn-out that it is impossible for many of us to comprehend.

Ironically, the devastation affords Puerto Rico an opportunity to rethink its entire energy system. It is time to take a step back, lift our gaze, and define a new vision.

Puerto Rico can design an electricity grid that residents and businesses can rely on. It can create a strong, secure, resilient system that harnesses the power of clean, renewable resources at affordable rates. And it can make the appropriate investments to reduce the economic risks posed by relying on outdated technologies and energy sources.

The Center for a New Economy (CNE) has been studying Puerto Rico's energy sector for 15 years. Today we invite you to join us as we convene energy experts, community leaders, and decision makers in this one-day event to inspire, visualize, and promote a new energy future for Puerto Rico.

Lights on.

Welcome to Black Start_





SPEAKER

ORGANIZATION

A NEW DAWN | 9:00 AM

Miguel A. Soto-Class

President, Center for a New Economy (CNE)

LAYING OUT THE VISION | 9:15 AM

Sergio M. Marxuach

Public Policy Director, CNE - Moderator

Luis Aníbal Avilés

Professor, University of Puerto Rico Law School

Kenneth J. Nemeth

Secretary and Executive Director, Southern States Energy Board

Janine Migden-Ostrander

Principal, Regulatory Assistance Project

David Bissell

President and CEO, Kaua'i Island Utility Cooperative

GAME CHANGERS: LOCAL INNOVATORS AND POLICYMAKERS | 10:30 AM

Anderson Cooper

Journalist - Moderator

Malu Blázquez

Executive Director, ReImagina Puerto Rico

Joseen Rossi

Board Chairman, Institute for Competitiveness and Sustainable Economy

Ruth Santiago

Lawyer

Hon. Larry Seilhamer

Vice President, Puerto Rico Senate

Hon. Eduardo Bhatia

Minority Leader, Puerto Rico Senate

REBOOT: ADAPTING FOR A SUSTAINABLE FUTURE | 11:30 AM

A Conversation on Climate Change

Anderson Cooper, Journalist

Fred Krupp, President, Environmental Defense Fund

LUNCH | 12:30 PM

BLACK MARBLE: MAPPING RECOVERY THROUGH SATELLITE DATA | 1:30 PM

Miguel O. Román

Founding Director, Universities Space Research Association, Earth from Space Institute

LIGHTNING ROUNDS: CUTTING EDGE TECHNOLOGIES | 1:40 PM

John Farrell

Director, Energy Democracy Initiative of the Institute for Local Self-Reliance

Geoffrey Heal

Professor, Columbia University Business School

José E. Sánchez

Deputy Director of Research and Development, US Army Corps of Engineers

Roy Torbert

Principal, Islands Energy Program Rocky Mountain Institute

Tomás J. Torres-Placa

Board Chairman, Institute for Competitiveness and Sustainable Economy

Ingrid M. Vila Biaggi

Engineer, Founder of CAMBIO PR

PANEL DISCUSSION: CONNECTING THE DOTS | 3:00 PM

Jonas Nahm

Professor, School of Advanced International Studies, Johns Hopkins University - Moderator

ISLA EARTH: WHAT ISLANDS CAN TEACH THE WORLD ABOUT SUSTAINABILITY | 3:40 PM

Lorraine H. Akiba

President and CEO, LHA Ventures and former Commissioner, Hawaii Public Utilities Commission

CLOSING REMARKS | 4:40 PM

Miguel A. Soto-Class

President, Center for a New Economy (CNE)

NETWORKING RECEPTION | 5:00 PM



Imagine...

a Puerto Rico where the power never goes out and blackouts are a thing of the past. Where there is no need for back-up generators and the supply of electricity to homes and businesses is stable, reliable, and inexpensive. Where communities are resilient and natural disasters no longer darken our hospitals and homes. A Puerto Rico where we satisfy all of our energy needs with renewable sources, where the air we breathe is clean, and the environment is green and healthy. This is all attainable and within our reach, but it will require planning, and long-term commitment.

The energy sector world-wide is changing rapidly as new technologies come online and challenge the existing 100-year old model of generating, transmitting, and distributing energy to customers with different needs. In order to successfully make the transition to a new business model for the energy sector it will be necessary to change laws and regulations, upgrade transmission and distribution systems, and encourage the efficient use of energy by end consumers. This is a tall order, but fortunately resources abound to guide policymakers, regulators, and the utility in this process. The first step in this complicated pathway is developing a new vision for the Puerto Rico energy sector. Charting this vision requires thinking beyond the confines of Puerto Rico, but with a clear understanding of the island's challenges and opportunities.

Join the conversation
@GrupoCNE #BlackStart





MIGUEL A. SOTO-CLASS
President Center for a New Economy

Mike Soto-Class founded the **Center for a New Economy (CNE)** in 1998, and since then, has steered CNE into becoming one of the most credible and influential voices in Puerto Rico. Since 2014, CNE has been recognized as one of the Top Think Tanks to Watch by the Global Think Tank Report of the University of Pennsylvania.

Mike was an editor of *The Economy of Puerto Rico: Restoring Growth*, published by the Brookings Institution in 2006. Mike has served as member of the Community Innovator's Lab at MIT in Boston, Massachusetts, and the YouthSave Advisory Board at the New America Foundation in Washington, D.C. In 2008, he was selected as an Aspen Institute Ideas Fellow.

He is currently the Yale Alumni Schools Director for Puerto Rico and the Virgin Islands, as well as a member of the Board of Directors of the Baldwin School of Puerto Rico; Endeavor Puerto Rico; Espacios Abiertos, an organization dedicated to growing civic capacity and promoting transparency in Puerto Rico; and an Emeritus Member of the Advisory Council for the Conservation Trust of Puerto Rico.

Mike has a BA from Yale University and a Juris Doctor from Vanderbilt University.

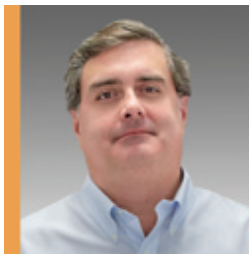


ROSANNA TORRES - Master of Ceremonies
Director Washington DC Office
Center for a New Economy

Rosanna Torres joined CNE after ten years of public service in several roles within the federal government. Prior to this role, she served as Legislative Director for a senior member of Congress, Rep. Nydia M. Velázquez, a role she assumed after having worked as a professional staff member in the House Small Business Committee. Rosanna also served as a Policy Advisor at the U.S. Department of the Treasury, where she worked closely on the federal government's response to Puerto Rico's fiscal and economic crisis.

She has experience at the U.S. Office of Management and Budget where she gained insight into the budget and appropriation process for multiple federal government agencies. Her first role in government was with the U.S. Census Bureau, where she also participated in detail programs with the U.S. Department of Commerce and the Performance Improvement Council. Rosanna holds a master's degree in International Commerce and Public Policy from George Mason University and a bachelor's degree in Business Statistics from the University of Puerto Rico.

The first panel will outline a comprehensive vision for Puerto Rico's energy future. Distinguished experts will discuss how to best implement that vision: setting clear regulatory targets on environmental controls, shifting from a highly centralized grid to a distributed network, and acknowledging the opportunities for energy cooperatives. Other themes to be explored are the role of academic institutions in Puerto Rico's energy transformation; the need to attract new capital at competitive terms; research and development opportunities; and the economic development effects related to the transformation of Puerto Rico's energy sector.



SERGIO M. MARXUACH - Moderator
Public Policy Director
Center for a New Economy

Sergio M. Marxuach is the Policy Director and General Counsel at the Center for a New Economy, a non-profit, non-partisan think tank. Prior to joining CNE, he served as Deputy Secretary of Commerce and Economic Development for the government of Puerto Rico and as Special Assistant to the executive director of the Office of Management and Budget. He was an associate for five years at the New York City law firm of Curtis, Mallet-Prevost, Colt & Mosle LLP. He has a BA in Economics and Political Science from Yale University, a Juris Doctor degree from the Georgetown University Law Center and a MS in Foreign Service from the Graduate School of Foreign Service at Georgetown University.



LUIS ANÍBAL AVILÉS PAGÁN - Speaker
Professor
University of Puerto Rico Law School

Luis Aníbal Avilés Pagán is a professor at the University of Puerto Rico's Law School. Professor Avilés has an LLM in European Law magna cum laude from Université de Paris II Pantheon-Assas and a Juris Doctor from Harvard Law School. He also has a master's degree in Physics from Harvard. He has been practicing corporate law in Puerto Rico since 1992. He was the President of the Board of the Puerto Rico Electric Power Authority between 2005 and 2009 and Vice President of the Board of the Puerto Rico Government Development Bank between 2006 and 2009.



KENNETH J. NEMETH - Speaker
Secretary and Executive Director
Southern States Energy Board

Kenneth Nemeth has served as the Southern States Energy Board's Secretary and Executive Director since February 1975. He is responsible for the direction, formulation, development, demonstration, and implementation of all Board programs. He currently serves as the Principal Investigator for the Board's research and demonstration programs funded by the U.S. Department of Energy, including the Southeast Regional Carbon Sequestration Partnership, the largest of seven regional initiatives funded by the U.S. Department of Energy with over 100 participating organizations.



JANINE MIGDEN-OSTRANDER - Speaker
Principal
Regulatory Assistance Project

With more than 35 years of experience in public utility law, Janine Migden-Ostrander advises regulators and advocates for power sector transformation, energy efficiency, renewable energy, demand response, distributed generation, integrated resource planning, and analyzes competitive retail market issues, and consumer and low-income regulatory issues. Recent projects include working closely with the Energy Commission of Puerto Rico in establishing orders and regulations on subjects such as integrated resource planning and microgrids.



DAVID BISSELL - Speaker
President and CEO
Kau'i Island Utility Cooperative

David Bissell has been the President and CEO of the Kau'i Island Utility Cooperative since April 2011. Mr. Bissell joined KIUC as chief financial officer in August 2006, and became acting president and acting CEO in June 2010. He has more than 20 years of financial and electric utility management experience. Mr. Bissell earned his bachelor's degree in Accounting and Finance from the State University of New York at Brockport, and his MBA from the Kelley School of Business at Indiana University.

While there is widespread acceptance of the need to reduce the price of electricity, promote energy efficiency and manage varying energy demands, there are many pathways to get there. As Puerto Rico evaluates potential options, we will learn from local community leaders, non-profit organizations, and key lawmakers about efforts underway to encourage a new energy model – one that will adapt to rapid changes in technological advances.



ANDERSON COOPER - Moderator
Journalist

Anderson Cooper is an American journalist. He became a correspondent for ABC News in 1995, and moved to anchor positions on CNN in 2002. He now hosts his own Emmy-award winning news program, Anderson Cooper 360°. Cooper has also served as the longtime host of CNN's annual New Year's Eve special. Cooper obtained a BA from Yale University in Political Science.



MALU BLÁZQUEZ ARZUAGA - Speaker
Executive Director
Relmagina Puerto Rico

Malu Blázquez is the Executive Director of Relmagina Puerto Rico, which developed 97 recommendations for the reconstruction and rebuilding of a stronger Puerto Rico. Malu was part of the Puerto Rico Senate Technical Advisory Committee that assisted the Senate in 2018 in developing the new energy public policy and regulatory framework for the Puerto Rico Energy Transformation process, which resulted in Senate Bill 1121 of 2018. Ms. Blázquez is also a member of the Southern States Energy Board Blue Ribbon Task Force that is strategizing an electric energy policy and regulatory framework for Puerto Rico.



JOSEN ROSSI - Speaker
Board Chairman
Institute for Competitiveness and Sustainable Economy

Josen Rossi is the founder and Board Chairman of the Puerto Rico Institute for Competitiveness and Sustainable Economy. As chairman, he oversees growth in funding, education, and alliance building with Puerto Rico business and US NGO leaders to build the capacity of democratic institutions fundamental to sustainable socio-economic development, such as key public infrastructure governance and regulation. He holds a BSCE from Cornell University and an MBA from the University of Virginia.



RUTH SANTIAGO - Speaker
Lawyer

Ruth Santiago is a resident of the municipality of Salinas in southeastern Puerto Rico where she has worked with community and environmental groups, fishermen's associations and other organizations for over thirty years on projects ranging from a community newspaper, children's services, a community school, and ecotourism initiatives to a rooftop solar energy pilot project. Ruth has been involved in the establishment of broad alliances to prevent water pollution from landfills, power plant emissions and coal combustion residual waste and has promoted solar communities and energy democracy. In addition to litigation in courts and administrative agencies, Ruth has organized and promoted environmental education projects, and advised community groups and the Jobos Bay National Estuarine Research Reserve on watershed protection and land use issues.



HON. LAWRENCE N. SEILHAMER RODRÍGUEZ - Speaker
Vice President
Puerto Rico Senate

Larry Seilhamer Rodríguez has been a Senator since 2009. A licensed engineer, Senator Seilhamer has been intimately involved in the island's energy policy throughout his career. His work has resulted in legislation focused on green energy incentives, the transformation of the Puerto Rico electric power system and most recently Senate Bill 1121 to establish a new regulatory energy policy framework. In November 2017, he started an investigation with the College of Engineers and Land Surveyors of Puerto Rico on the Palo Seco Power Plant to evaluate the possibility of reopening it in the wake of the emergency caused by hurricanes Irma and María. He currently chairs the Senate's Energy Affairs Special Commission and the Joint Commission for Public-Private Partnerships.



HON. EDUARDO BHATIA-GAUTIER - Speaker
Minority Leader
Puerto Rico Senate

Minority leader, lawyer and former President of the island's Senate, Eduardo Bhatia is the author of the most comprehensive energy reform law in Puerto Rico's history (Law 57 of 2014). He believes that the island's outdated and fragile energy system must be forced to migrate from burning fossil fuels to clean, renewable, modern solar energy through community micro-grids. Bhatia is also the President of the Parliamentary Confederation of the Americas, an organization that fosters dialogue on issues related to inter-American cooperation and hemispheric integration.

The damage from Hurricanes Irma and María to Puerto Rico's electric grid was so severe the island had to re-activate its entire energy system – the equivalent of a system-wide “black start”. It painfully exposed the vulnerabilities of the island's dependence on limited, imported resources. Meanwhile, growing consensus around climate change has reinvigorated discussions about the island's broader energy policy and the need to prevent similar damage from re-occurring. For all intents and purposes, Puerto Rico needs to re-boot and develop a vision that is not beholden to old technologies. Join distinguished news anchor Anderson Cooper in a conversation with Fred Krupp on today's energy challenges and how to prepare for tomorrow's much larger environmental challenges. Puerto Rico has a once-in-a-generation opportunity to become a model of innovation and build a modern, sustainable, and storm-resilient infrastructure. The time is now.



FRED KRUPP
President
Environmental Defense Fund

Fred Krupp has guided the Environmental Defense Fund (EDF) for three decades. A leading voice on climate change, energy, and sustainability, he is a champion for harnessing the power of the marketplace to protect our environment. Under Krupp's leadership, EDF has become one of the world's most influential environmental organizations. He has focused international attention on the problem of methane emissions from the oil-and-gas system and led EDF's innovative corporate partnerships with FedEx, KKR, McDonald's, Walmart, and others.

Krupp is co-author with Miriam Horn of the New York Times bestseller **Earth: The Sequel – The Race to Reinvent Energy and Stop Global Warming**. Krupp was educated at Yale and the University of Michigan Law School, and received an honorary Doctor of Humane Letters degree from Haverford College. He has been profiled in The Wall Street Journal, The New Republic, and Bloomberg Businessweek, and appears frequently in the national media.

Technological advances have allowed the U.S. to materialize breakthrough innovations in the Aerospace sector. Earth observations have not been an exception. For decades, NASA has been collecting and analyzing large amounts of data from space to study the Earth as an integrated system. Thanks to their work, we are now able to incorporate satellite data to influence first responders' time-critical missions in a disaster context. After the island-wide power outage following Hurricane Maria, NASA's Black Marble satellite technology helped pinpoint where the outages were and how long they lasted. The lead scientist behind the efforts, Dr. Miguel Román, steered Puerto Rico's recovery work by providing key data to government officials, the National Guard, and FEMA. That data was later analyzed to study the relationship between electricity restoration rates and the structure and density of Puerto Rico's neighborhoods. Dr. Román joins Black Start to share how space-based technologies can deliver timely, relevant information for disaster recovery processes and provide us insight on how to leverage freely accessible satellite products for PREPA's transformation.



DR. MIGUEL O. ROMÁN - Speaker
Founding Director
Universities Space Research Association, Earth from Space Institute

Dr. Miguel O. Román is the founding director of the Universities Space Research Association's (USRA) Earth from Space Institute (EFSI). He is best known for pioneering the iconic Black Marble – a series of satellite products that provide global views of Earth at night, with an emphasis on power outage monitoring. Román's work on disaster impacts came full circle, when in 2017, Hurricane María ravaged his home island of Puerto Rico. Applying the Black Marble and augmenting it to provide fine resolution information, Román and his team at NASA's Goddard Space Flight Center helped first-responders and non-profit groups to monitor the slow recovery of Puerto Rico's power supply, particularly across rural communities. The effort and dedication to this support, while clearly augmented by his personal connection to this disaster, has demonstrated the power of Earth Observations to make a positive impact on the world. Dr. Román is a 2017 recipient of the Presidential Early Career Award for Scientists and Engineers (PECASE), the highest honor bestowed by the United States government on scientists and engineers beginning their independent careers.

Renowned experts from different fields within the energy sector will deliver brief presentations on key issues that need to be addressed to implement a new vision. Speakers will cover a variety of topics – from the island’s financial challenges and the development of new highly effective generation technologies, to damage mitigation against future man-made and natural disasters. After the presentations, a panel discussion with the speakers will follow.

HOW AN ISLAND UTILITY'S FINANCIAL CRISIS OPENS THE DOOR TO ENERGY DEMOCRACY



JOHN FARRELL - Speaker
Co-Director & Director
Energy Democracy Initiative; Institute for Local Self-Reliance

As Puerto Rico envisions how to transform its energy sector, little attention has been dedicated to the financial constraints the Puerto Rico Electric Power Authority (PREPA) currently faces. With a debt overhang of about \$9 billion, any future construct of the utility system will inherit significant budgetary constraints. Mr. Farrell will bring in his expertise in distributed generation resources and public ownership, and share how to incorporate renewables into the grid to promote economic development while addressing the island’s financial challenges.

John Farrell is a senior researcher with the Institute for Local Self-Reliance and directs its work on energy democracy. John is best known for his vivid illustrations of the economic and environmental benefits of local ownership of decentralized renewable energy.

RENEWABLE ENERGY IN THE ISLANDS



GEOFFREY HEAL - Speaker
Professor
Columbia Business School

It is paradoxical that the world’s small islands are largely dependent on fossil fuels for their electric power. Fossil fuels push up the price of power in these locations, as they are expensive to transport, while islands are uniquely well-suited to wind power and, in the case of low-latitude islands, to solar power as well. Both are considerably less expensive than fossil fuels, even on the US mainland, and their intermittency can readily be overcome thanks to developments in battery technology.

Geoffrey Heal is noted for contributions to economic theory and resource and environmental economics. He holds bachelor’s (first class), master’s, and doctoral degrees from Cambridge University. He also holds an Honorary Doctorate from the Université de Paris Dauphine. Professor Heal is the author of eighteen books and two hundred articles. Professor Heal has studied the power system in Puerto Rico and how to react to the massive damage caused by Hurricane María.

ENGINEERING PUERTO RICO'S FUTURE GRID

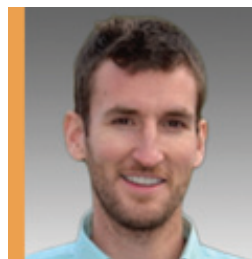


JOSÉ E. SÁNCHEZ - Speaker
Deputy Director of Research & Development
U.S. Army Corps of Engineers

There has been much ado about redesigning Puerto Rico's grid. But what exactly does that mean for the future of the utility and the way consumers interact with the utility? As Puerto Rico seeks qualified vendors for the privatization of generation assets and concessions of the transmission and distribution lines, Mr. Sánchez will help answer some of the following questions: How to define and design a modern grid? What challenges were discovered during the recovery efforts that should be considered when designing the next-generation system? How does Puerto Rico communicate with the public to avoid lengthy permit processes?

José E. Sánchez serves as the Deputy Director of Research and Development and Deputy Chief Scientist for the U.S. Army Corps of Engineers (USACE) and has been with this agency for over 23 years. He assists in developing policy, setting direction, and providing oversight for the Corps' research and development program conducted for approximately 700 sponsors, and advises the Chief of Engineers on matters of science and technology. Following hurricanes Irma and María, Mr. Sánchez was temporarily deployed to Puerto Rico to direct the power restoration efforts on the island in support of FEMA's multi-billion-dollar mission assignment.

UNTAPPING THE POWER OF DISTRIBUTED RESOURCES



ROY TORBERT - Speaker
Principal
Islands Energy Program Rocky Mountain Institute

Rocky Mountain Institute is an independent and technology agnostic non-profit, focused on energy transition, with more than three decades of global influence and eight years focused work in the Caribbean. Shortly after Hurricanes María and Irma, Rocky Mountain Institute partnered with the Institute for Competitiveness and Sustainable Economy (ICSE) to convene stakeholders and support advancing a new vision for the energy system. In light of the utility's integrated resource plan (IRP), Mr. Torbert will focus his remarks on the integration of new generation, efficiency, and storage technologies through the policy, regulatory, and planning mechanisms.

Roy Torbert is a Principal on the Islands Energy Program specializing in integrated energy planning, project cost analyses, and renewable and efficiency finance to expand and accelerate the transition to a global clean energy economy. Roy manages the Islands team helping the governments and utilities of Caribbean islands reduce their dependence on imported fossil fuels.

PREPA'S CHALLENGES AND THE OPPORTUNITIES AHEAD



TOMÁS J. TORRES-PLACA - Speaker
Executive Director
Institute for Competitiveness and Sustainable Economy

For years, even before the 2017 hurricanes, Puerto Rico's Electric Power Authority (PREPA) has been widely criticized – by industry, business and residential consumers alike – for its high rates and unreliability. That characterization, correct as it may be, is now subject to efforts to bring it to the 21st century. He has been intimately involved in the efforts to transform PREPA. Prior to the creation of the Puerto Rico Energy Commission, he served as a key stakeholder on early regulatory proceedings. He has also participated on the review process of PREPA's first Integrated Resource Plan (IRP), on the three main initiatives that helped craft the new Puerto Rico energy policy, including the development in conjunction with Rocky Mountain Institute of the Public Collaborative for Puerto Rico's Energy Transformation, and on the Puerto Rico Senate Advisory Committee and the Southern States Energy Board Blue Ribbon Task Force. Mr. Torres-Placa will guide us through PREPA's long, complicated history and take us into the current long-term planning process.

With over 30 years of experience, Tomás Torres has worked in PREPA, in the pharmaceutical and high-tech industry, and as a consultant. He is a former member of the Puerto Rico Planning Board and former chairman of the Energy Committee at the Puerto Rico Manufacturer's Association. Tomás possesses a bachelor's degree in Engineering and a master's degree in Planning from the University of Puerto Rico. Most recently, he was certified as the consumer interest representative on the PREPA Board and currently serves as executive director of the Puerto Rico Institute for Competitiveness and Sustainable Economy.

ENGAGING THE COMMUNITY IN THE TRANSFORMATION



INGRID M. VILA BIAGGI - Speaker

Founder
CAMBIO PR

As the world transitions from centralized systems and fossil fuel economies, Puerto Rico is uniquely positioned to pioneer an integrated energy transformation that includes risk reduction, climate change, public health, adaptability, equity, and democratization. CAMBIO PR collaborated with Queremos Sol, a multi-sector initiative that advocates for an energy sector transition based on self-sufficiency, sustainability and the use of endogenous renewable resources. Mrs. Vila will provide her insight as to how technology transitions paired with community empowerment, social and environmental justice can reignite Puerto Rico's energy system and promote a real power shift.

Ingrid M. Vila Biaggi is a licensed professional engineer and Co-founder and President of CAMBIO PR, a nonprofit organization in Puerto Rico that promotes sustainable and responsible actions. CAMBIO PR has developed its work platform addressing issues related to solid waste management, energy, water resource optimization, climate change, environmental protection and impact, as well as environmental justice, governance and fiscal matters.

3:00 PM | CONNECTING THE DOTS: A PANEL DISCUSSION WITH LIGHTING ROUNDS SPEAKERS

Following individual presentations, all speakers will return to the stage for a panel discussion on the various topics covered. Jonas Nahm, from Johns Hopkins School of Advanced International Studies, will moderate the discussion.



JONAS NAHM - Moderator

Professor
School of Advanced International Studies, Johns Hopkins University

Jonas Nahm is an Assistant Professor of Energy, Resources, and Environment at Johns Hopkins University's School of Advanced International Studies, where his research focuses on the political economy of clean-energy transitions in China, Germany, and the United States. Jonas is particularly interested in the relationship between firms and governments in industrial development and technological innovation, asking when and how governments can reap economic — and not just environmental — benefits from supporting green industrial growth. A recent extension of this work examines strategic sources of state power in overcoming opposition from industrial lobbies in greening the global auto industry.

3:40 PM | "ISLA EARTH" WHAT ISLANDS CAN TEACH THE WORLD ABOUT SUSTAINABILITY

Ms. Akiba will share her insights about the lessons learned and best practices from Hawaii's clean energy initiatives and policies and how islands can lead in transforming the energy sector through resilience and sustainability.



LORRAINE H. AKIBA - Speaker
President and CEO, LHA Ventures
Former Commissioner, Hawaii Public Utilities Commission

Lorraine H. Akiba is a recognized thought leader with technical expertise and knowledge in the development of Hawaii's renewable and clean energy policy, and regulatory framework. She served for six years as a commissioner on the Hawaii Public Utilities Commission, which presides over all regulated public utility matters. Currently, she is a member of the Resiliency Strategy Committee for the City and County of Honolulu. She is also a co-chair of the Low-Income Community Solar Working Group of the Low-Income Issues Forum.



4:40 PM | CLOSING REMARKS – MIGUEL A. SOTO-CLASS, CNE PRESIDENT

5:00 PM | NETWORKING RECEPTION

BLACK START SPONSORS:



EXHIBITORS:

- CAMBIO PR
- CARIBBEAN RENEWABLE TECHNOLOGIES
- ENVIRONMENTAL DEFENSE FUND
- INSTITUTO NACIONAL DE ENERGÍA Y SOSTENIBILIDAD ISLEÑA DE LA UPR (INESI)
- PARA LA NATURALEZA
- PARALLEL 18
- PIRUCHO POWER AUTHORITY, COMUNIDAD ORGANIZADA DE SAN SALVADOR
- PROGRAMA DE EDUCACIÓN COMUNAL DE ENTREGA Y SERVICIO (P.E.C.E.S. INC.)
- REIMAGINA PUERTO RICO
- RESILIENT POWER PUERTO RICO
- RIMCO
- STEEL AND PIPES

Puerto Rico is a great cause.
Support our work at www.grupocne.org

Center for a New Economy

CNE20
Puerto Rico's Think Tank

The Center for a New Economy (CNE) is an independent, non-partisan think-tank that advocates for the development of a new economy for Puerto Rico. Founded in 1998, CNE produces rigorous public policy research and analysis, and is one of the most credible and influential voices on Puerto Rico's economy. CNE is organized as a 501(c)(3) non-profit entity that does not solicit or accept government funding. It relies solely on funding by individuals, private institutions and philanthropic foundations.