

Welcome



**THE 3RD
RESILIENT VIRGINIA &
LEADERS IN ENERGY
EDUCATIONAL
FORUM**

**UTILITIES ^{OF}
THE FUTURE**

HOW TO MODERNIZE THE GRID AND DECARBONIZE OUR ENERGY SYSTEM

REGISTER AT LEADERSINENERGY.ORG

THURSDAY, OCTOBER 4TH • 6:00–8:30PM
US NAVY MEMORIAL
701 PENNSYLVANIA AVE NW • WASHINGTON, DC

Join the Conversation at:
@LeadersinEnergy #LECONNECT

Our Format for Utilities of the Future Forum

- 5:45 Registration opens
- 6:00 Networking and Refreshments, Stop by Connections Table to Meet other Attendees with similar interests in research topics, business partnering, job opportunities, etc.
- 6:30 Program Begins
- 8:00 Panel Ends
- 8:05 Connection Announcements and Drawing for Door Prize
- 8:10 Resume networking
- 8:30 Event Adjourns



Leaders in Energy

Wifi Login and Password

Network: **NavyPublic**

Password: None needed

Twitter Handle: **leadersinenergy**

Hashtag: **#LECONNECT**



Exciting Times



- Gov. Jerry Brown signed SB 100 into law in early September 2018 which sets a target of 100 percent carbon-free electricity by 2045.
- 2018 Distributed Resource Authority Act under consideration in DC for a non wires alternatives

GEARING UP for the **FUTURE**

Energy Innovation to Advance
Grid Efficiency, Resiliency & Security

OCTOBER 8–10, 2018



Utilities of the Future Panel

Co – Moderators



Janine Finnell
Leaders in Energy



Annette Osso
Resilient Virginia

Panel Speakers



John Caldwell, Ph.D.
Edison Electric Institute

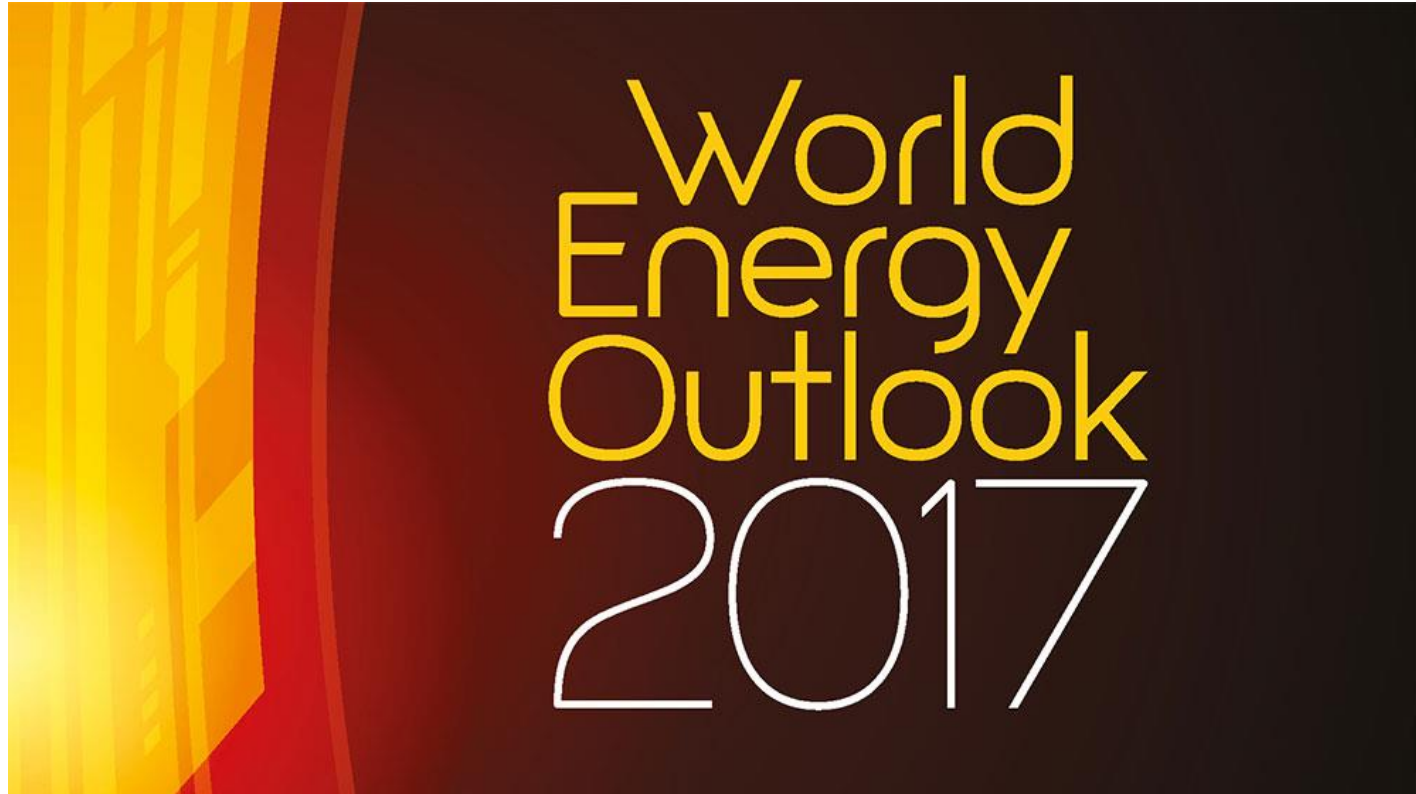


Cyril Draffin
MIT Energy Initiative



Elizabeth B. Stein
Environmental Defense Fund

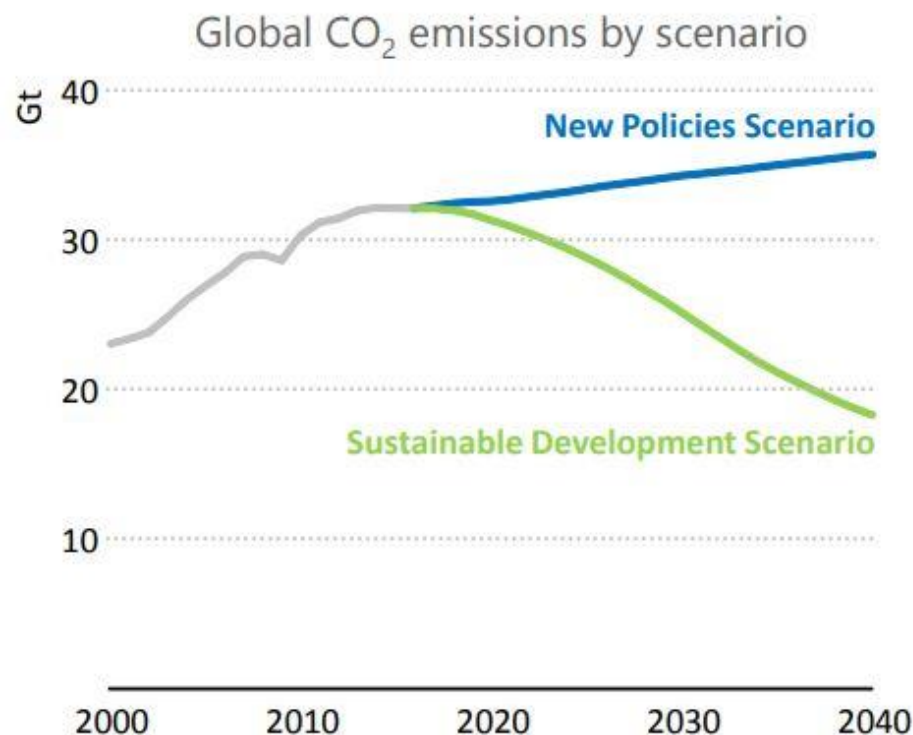
International Energy Agency World Outlook 2017



An autonomous intergovernmental organization based in Paris established in the framework of the Organization for Economic Co-operation and Development (OECD) in 1974 in the wake of the 1973 oil crisis.

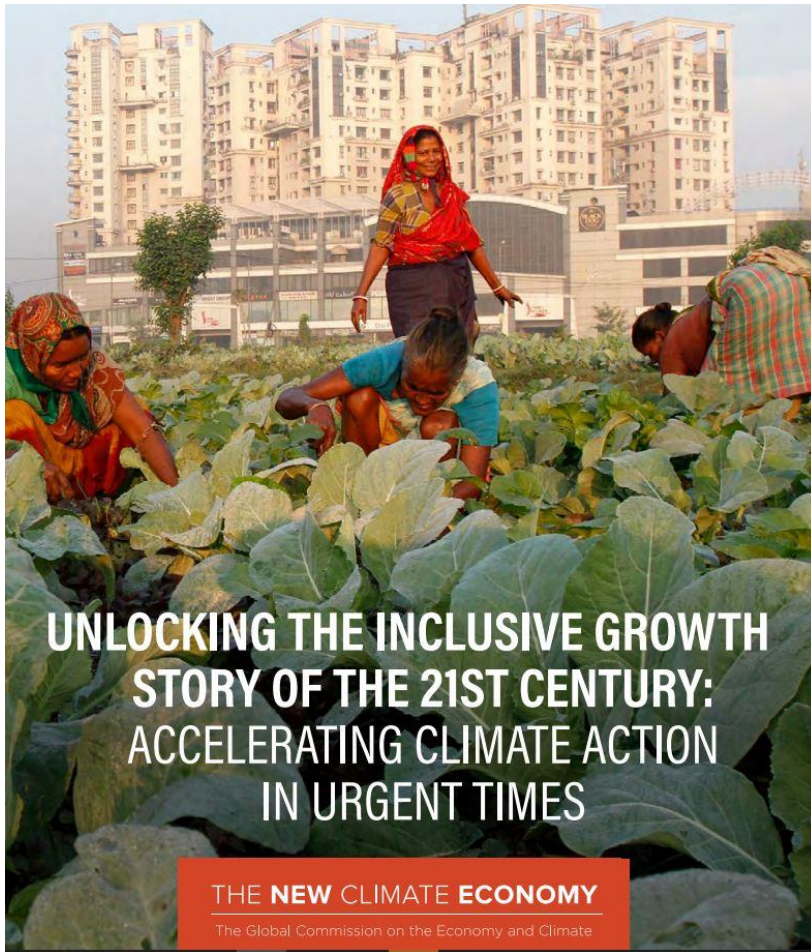
A new strategy for energy & sustainable development

World
Energy
Outlook
2017



The Sustainable Development Scenario reduces CO₂ emissions in line with the objectives of the Paris Agreement, while also tackling air pollution and achieving universal energy access

The Global Commission on Economy and Climate Report on the New Climate Economy



The Global Commission comprises former heads of government and finance ministers, and leaders in the fields of economics, business and finance. Includes Paul Polman (Co-Chair), CEO of Unilever

Key takeaways:

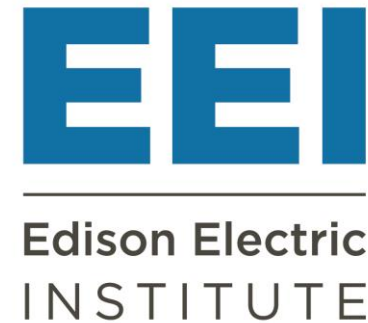
- Current economic models are deeply inadequate in capturing the opportunities of such a transformational shift to address climate change, or the grave dangers of climate inaction.
- **Need a new class of economic models** that can capture the powerful dynamics at play, including transformative technological advances, preservation of essential natural capital, and the full health benefits of cleaner air and a safer climate, including the containment of pandemic diseases.
- **Bold action on low carbon growth could yield a direct economic gain of US\$26 trillion through to 2030 compared with business-as-usual.** And this is likely to be a conservative estimate.
- The challenge now is to accelerate the transition to a better, more inclusive, new climate economy in **five key economic systems: energy, cities, food and land use, water, and industry.**

Thanks to Our Partner and Sponsors!

Event Partner



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Environmental Leader Sponsor



Food Sponsor

Edison Electric
Institute and
WeThePizza



Events - Smart Grid, Blackout, Microgrids, and Resilience

How the Smart Grid and Unlicensed Spectrum Impact Energy Efficiency

Join us for a panel discussion to learn about Wi-Fi's role in the smart grid and advanced metering infrastructure.

March 22 | 6:00 PM

Edison Electric Institute
701 Pennsylvania Ave. NW | 4th Floor

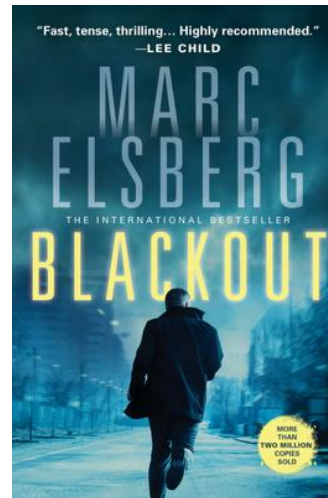
Presented by

WifiForward



LEADERS in ENERGY
RESEARCH, COMMUNICATIONS,
POLICIES & ANALYTICS (LERCPA)

Register now at www.lercpa.org



Energy Infrastructure and Cybersecurity

Featuring Marc Elsberg
Author of bestselling novel, *Blackout*

June 1, 2017, 6-8:30 pm
Make Offices Clarendon
Arlington, VA

Venue provided by Groupsense
More info at www.lercpa.org



Leaders in Energy and Resilient Virginia present

Improving Resilience Through Microgrids and Battery Storage

October 19, 2017 • 5:30–8:30 pm

Edison Electric Institute

701 Pennsylvania Ave. NW • Washington, D.C.



Leaders in Energy

RESILIENT
VIRGINIA

OCT. 12 DEADLINE FOR EARLY REGISTRATION!



Sustainable Communities



Green Economy and Jobs



**Multigenerational Leadership
and Talent**



Leaders in Energy

Building a community of leaders to advance clean energy and sustainable solutions

*Join us on-line and at our events on cleantech, green
jobs and finance, and leadership at:*

leadersinenergy.org

Leaders in Energy Stakeholders

Connecting Clean Energy and Sustainability Stakeholders Via LE Programs

Mission	Connect Employers + Green Talent/Job Seekers	Connect Suppliers + Market	Connect Innovators + Investors	Connect Thought Leaders + Action Network
Participants & Partners	Employers in Clean Energy and Sustainability Industries Recruitment Agencies Sector Professionals University/College Career Services Apprenticeship Programs Economic Development Offices	Sector Trade Associations Chambers of Commerce Local Suppliers Project Developers Regulatory Agencies Sector NGOs/Non-Profits City/Municipal Councils	Business incubators VCs and Financiers Entrepreneurs	Academic Programs and Research Industry Executives and Consultants Sector Technical Experts Grant Providers Universities Think Tanks
Our Programs	Green Jobs Forums, Green Career Workshops, Green Career Momentum, Green Jobs Working Group	Clean Energy & Sustainability Extravanzas, Utility Industry and Alternative Fuels Events, Circular Economy Workshops, Working Group, & Technical Tours	Green Finance Events	Four Generations of Leaders in Clean Energy Awards, Green Leaders Retreat, Building Consensus Through “Undebate” & Other Industry Sector Events Including Technical Tours

Four Gen Nominations Now Open

The Four Gen Awards

*Nominations now open through
Friday, October 19th*

The 5th Annual Four Generations of
Leaders in Clean Energy and Sustainable Solutions
Awards and Holiday Event

Friday, November 30, 2018
6:00 - 9:00 pm
Arlington (Crystal City), Virginia

Submit nominations at:
leadersinenergy.org



- **Theme: “Becoming a Leader, by Empowering Ourselves and Others to Create a Better and Greener World”**
- This will be Leaders in Energy’s fifth year to conduct this very successful event which will feature honorees from each of the four generations, e.g., World War II, Baby Boomer, Gen X, and Millennial/Gen Z who exemplify leadership in the energy and sustainability arena.



10/25 Circular Economy – Transforming Waste to Energy

The Embassy of Canada
and the Quebec Government Office,
in partnership with
Leaders in Energy,
invites you to a panel discussion around the

Circular Economy: Transforming Waste Into Energy.

Light breakfast will be served.

Thursday, October 25, 2018

9:00am-11:30am

Embassy of Canada
501 Pennsylvania Ave NW
Washington, DC. 20001

*Government issued photo ID required for entry.
Invitation is non-transferable.*

Québec 



Canada 

Save the Date

- **Exhibit @ Waste & Recycling Symposium @ NVCC on Oct 17th**
- **Circular Economy: Transforming Waste Into Energy, with Quebec Government Office and Embassy of Canada, October 25, 9 – 11: 30 am**
- **5th Annual Four Generations of Leaders in Clean Energy and Sustainable Solutions, November 30th, 6 – 9 pm**
- **Monthly Circular Economy Working Group, 4th Wednesday of the month, 6 – 7:30 pm**



Leaders in Energy

Thank You to Our Event Volunteers

Miriam Aczel

Carole Douglass

John Gaffigan

Mariah Gaffigan

Nick Hanson

Ted Kennedy

Sheila McGrath

Caitlin Miller

Beth Offenbacher

Sean O'Neil

Vestal Tutterow



Leaders in Energy

**Thanks to Our LE
Community and
Attendees for
Supporting Our Work**



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Elizabeth B. Stein
Environmental Defense Fund

Welcoming Remarks



Annette Osso
Managing Director

Resilient Virginia



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Thank You



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