

Welcome

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**

Accelerating resiliency planning for Virginia communities

Join the Conversation at: #LECURRENTS

Wi-Fi Info: microgrids2017

Password: Edison2017##

Growing Interest in Microgrids & Resilience

Derecho, Arlington County, July 2012



Source: By [Denise Lu](#) and [Chris Alcantara](#), Updated Oct. 16 10:55 a.m.
https://www.washingtonpost.com/graphics/2017/national/puerto-rico-hurricane-recovery/?utm_term=.6f1987e42f25

PUERTO RICO'S LONGEST POWER OUTAGES SINCE 2000

👉 Hover for more detail

0 days

2

4

6

8

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14

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22

24

26

HURRICANE MARIA

0 days

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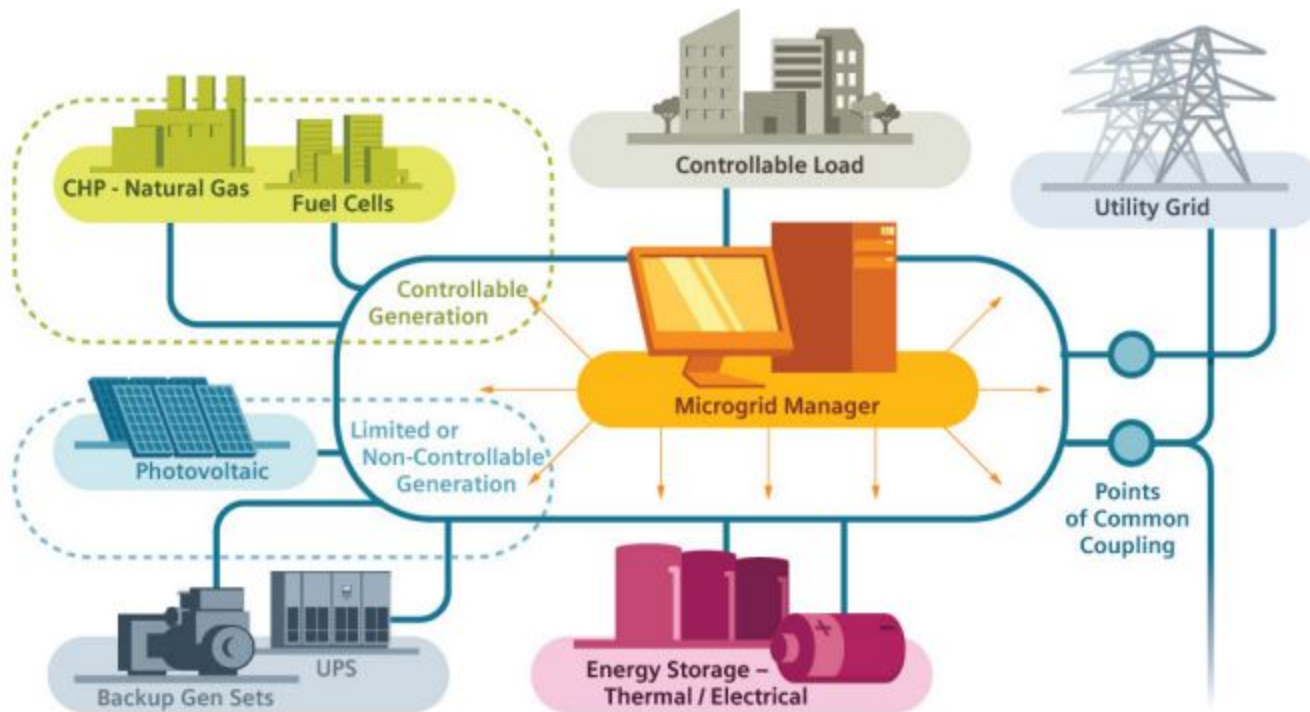
20

22

24

26

Sample Microgrid and Energy Storage



Source: Siemens, "Microgrid Solutions" 2016,
<http://w3.usa.siemens.com/smartgrid/us/en/microgrid/pages/microgrids.aspx> cited in
"Microgrid Momentum: Building Efficient, Resilient Power" by Doug Vine et al, Center for
Climate and Energy Solutions, March 2017

National Perspectives



Janine Finnell
Moderator
Founder and Clean
Energy Ambassador

Leaders in Energy



Dr. John Caldwell, Ph.D.
Director of
Economics

Edison Electric
Institute



Robert B. Hughes
Executive Director

Air Force Office of
Energy Assurance
(OEA)



J. E. "Jack" Surash, P.E.
Acting Deputy
Assistant Secretary of
the Army

Energy & Sustainability



Dan Ton
Program Manager,
Smart Grid R&D

US Department
of Energy

Regional/Market Perspectives



Annette Osso
Managing Director

Resilient Virginia



Bracken Hendricks
CEO and Founder

Urban Ingenuity, LLC.



Michael Yambrach
Capital Projects
Manager

Montgomery County



Brendan Owens
Chief of Engineering

US Green Building
Council

Thanks to Our Partner and Host

**RESILIENT
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Accelerating resiliency planning for Virginia communities

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INSTITUTE

Environmental Leaders




**MICROGRID
KNOWLEDGE**

Contributor



Leaders in Energy – Focus Areas



Green Jobs, Entrepreneurship, & Careers



Sustainable Communities



Green Economy & Finance



**Multigenerational Leadership
to Utilize Talent**



Thank You to Our Event Volunteers

Peter Costolanski
John Craig
Augustin Cruz
Paul Dolmon
Barbara Englehart
John Gaffigan
Mariah Gaffigan
Travis High

Silvia Lucero
Sheila McGrath
Beth Offenbacker
Sean O'Neill
Taylor Maher
Molly Medlin
Ben Sellers
Xavier Vergara



**Thank You to Our
Attendees for
Supporting Our Events**



Save the Date

- **4th annual Four Generations in Clean Energy and Sustainable Solutions Event, December 1st, 6-9 pm, Arlington, VA**