



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

Friday, November 30, 2018
6:00-9:00 pm

Crystal Gateway Condo Complex

1300 Crystal Drive | Arlington, Virginia 22202

Learn more at: leadersinenergy.org



Leaders in Energy

WELCOME

#LE4GEN

@leadersinenergy

Wifi: Crystal Gateway



The Four Generations

World War II:

1927 - 1945

Baby Boomer:

1946 - 1964

Generation X:

1965 - 1980

Millennial/Gen Z:

1981 - 2000 (Millennials)

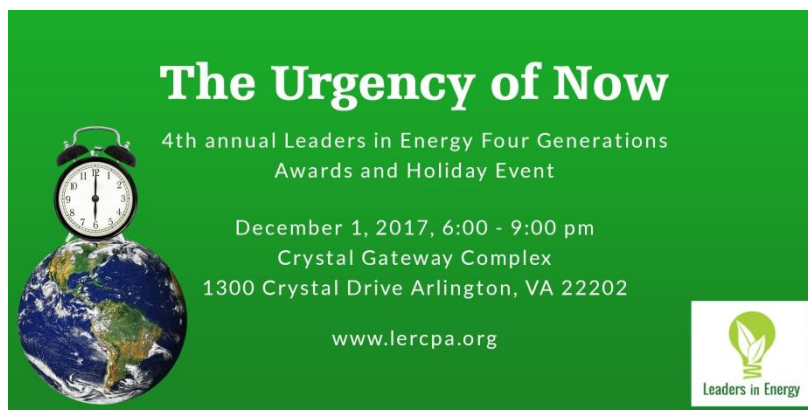
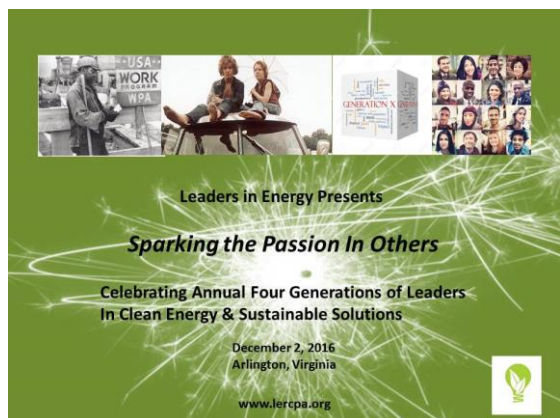
to

mid-1990s to mid-2000s as
starting birth years (Gen Z)



**Becoming a Leader...
Empowering
Ourselves, and
Others,
to Create a Better and
Greener World**

5th Annual Four Generations Awards Celebration — Recognizes Leaders Across Four Generations



**Inaugural Four Generations of Leaders
Celebration Held in December 2014**

The Urgency for Leadership to Spark Collective Action and Transformational Change



Martin
Luther King
– civil
rights
activist



Susan B. Anthony
– leading to women's
right to vote in 1920



Jane Goodall – inspiring
people to conserve the
natural world we all share
to improve the lives of
people, animals, and the
environment.



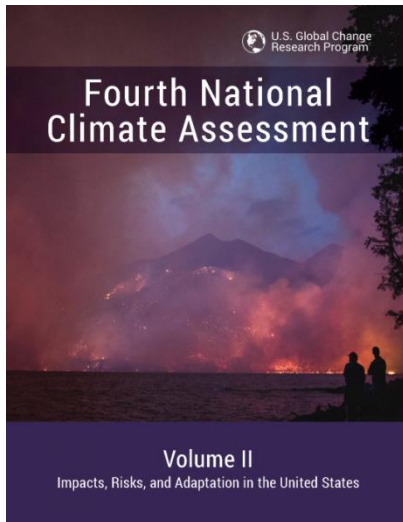
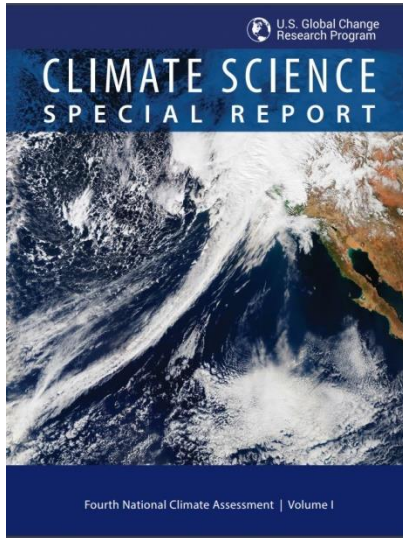
Elon Musk – clean energy visionary



Nelson Mandela – ending apartheid in South Africa

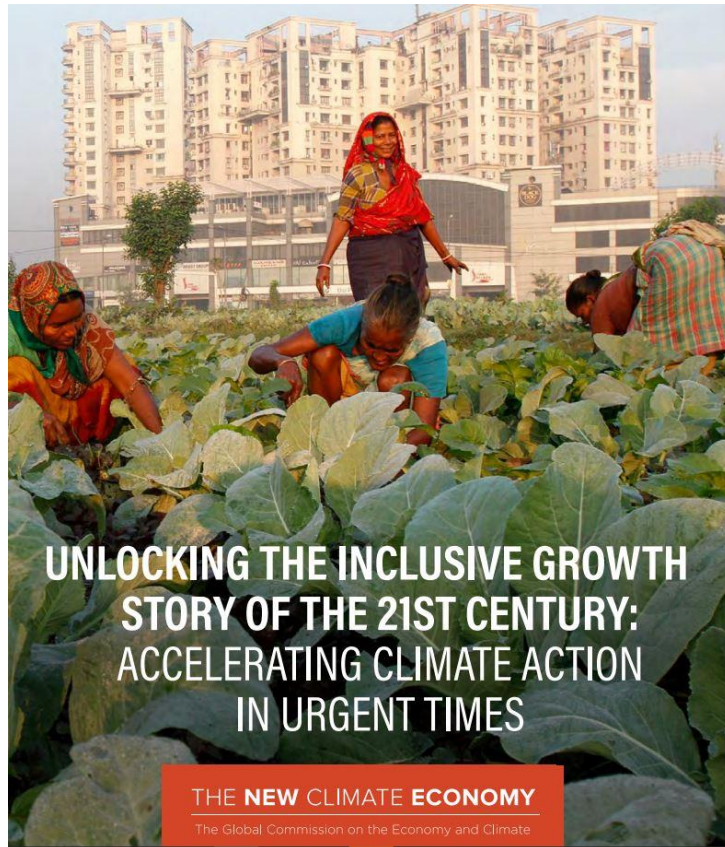
Facing Many Herculean Challenges...

Fourth National Climate Assessment Says Window of Time to Prevent Widespread Dangerous Effects is Closing Fast - Vol. 2 Released Last Week



1. Communities
2. Economy
3. Water
4. Health
5. Infrastructure
6. Ecosystem and ecosystem services
7. Agriculture
8. Tourism and recreation
9. Oceans and Coasts
10. Indigenous peoples
11. Interconnected impacts
12. Adaptation and mitigation

Also New Opportunities to Harness Human Capacity for Ingenuity and Imagination!



- Recommend the transition to a better, more inclusive, new climate economy in five key economic systems: clean energy, smart cities, food and land use, water, and industry (circular economy).
- Potential to yield a direct economic gain of US\$26 trillion through to 2030 compared with business-as-usual.

Four Generations Awardees



World War II/Traditionalist:
Dr. Herman Daly,
Emeritus Professor,
University of
Maryland and
Visionary of
Ecological
Economics



Baby Boomer:
Queen Zakia
Shabazz,
Coordinator,
Virginia
Environmental
Justice
Collaborative



Gen X: Stephen
Coughlin, President
and Chief Executive
Officer, Fluence



Millennial:
Lindsey Robinett
Shaw, Commercial
Energy Program
Manager,
Montgomery County
Department of
Environmental
Protection



Leaders in Energy

Thank You to Our Sponsors

Clean Energy Leader



Benefactors

Association of Energy Engineers –
National Capital Chapter (AEE NCC)

Career Confidence

Center for the Advancement of the
Steady State Economy (CASSE)

Clean Energy Business Network

DC Net Impact

Green Business Roundtable

Green America

Gaffigan Consulting, LLC

Mili Salon

One Montgomery Green

Potential Energy DC

Resilient Virginia

Styrofoam Mom



Leaders in Energy

Thank You - Our Board and Core Team Members

Janine Finnell, Executive Director and President

Bill Brandon, Chief Technology & Research Officer and Vice President

Barbara Englehart, Director, Business Sustainability and Treasurer/Secretary

Miriam Aczel, Director of Communications and Blog Editor

EdieAnn Feigles, Director, Business Development

John Gaffigan, Director of Membership and Sponsorship

Anant Mohan, Director, Sustainable Manufacturing

Beth Offenbacher, Ph.D., Director of Training and Education

Elvin Yuzugullu, Ph.D., Director, International Sustainability



Thank You – Our Four Gen Volunteers

- Miriam Aczel
- Bill Brandon
- John Craig
- Jeannine Curtin
- Dr. Thomas Driscoll
- Carole Douglass
- Barbara Englehart
- Mariah Gaffigan
- Candice Guillaudeu
- Nick Hanson
- Dean Jordan
- Ted Kennedy
- George Kervitky
- Carol McCaffrey
- Sheila McGrath
- Molly Medlin
- Dr. Beth Offenbacher
- Leila Peck
- Marcia Rock
- Anita Read
- Jen Rusk
- Pareesa Vahidi
- Xavier Vergara
- Kerry Washington
- Dr. Elvin Yuzugullu



Thank You - Our Advisors

Petrus Alcindor, Strategy Advisor

Christine Brooks, Vision and Strategy

Kurt Cobb, Strategic Messaging

Jeannine Curtin, Four Gen Awards

John Craig, Small Group Facilitator

Agustin Cruz, Strategy

Clifford Deaton, Ph.D., Circular Economy Working Group

Carole Douglass, Communications

Carla Fleming, Business Strategy

Mariah Gaffigan, Logistics Coordinator

Candice Guilladeu, Business Process and Analysis

Jeff Kline, Green Jobs Working Group

Silvia Lucero, University Outreach

Sean O'Neill, Media and Public Affairs

Leila Peck, Strategy

Dolores Priegnitz, Ph.D., Change Management

Jen Rusk, Team Leader

Kevin Stallings, Green Jobs Program

Xavier Vergara, Sustainable Development

Kerry Worthington, Four Gen Reporter

Joel Yudken, Ph.D., Economic and Workforce Development



Thank You - Our Attendees!





Sustainable Communities



Green Economy and Jobs



**Multigenerational Leadership
and Talent**



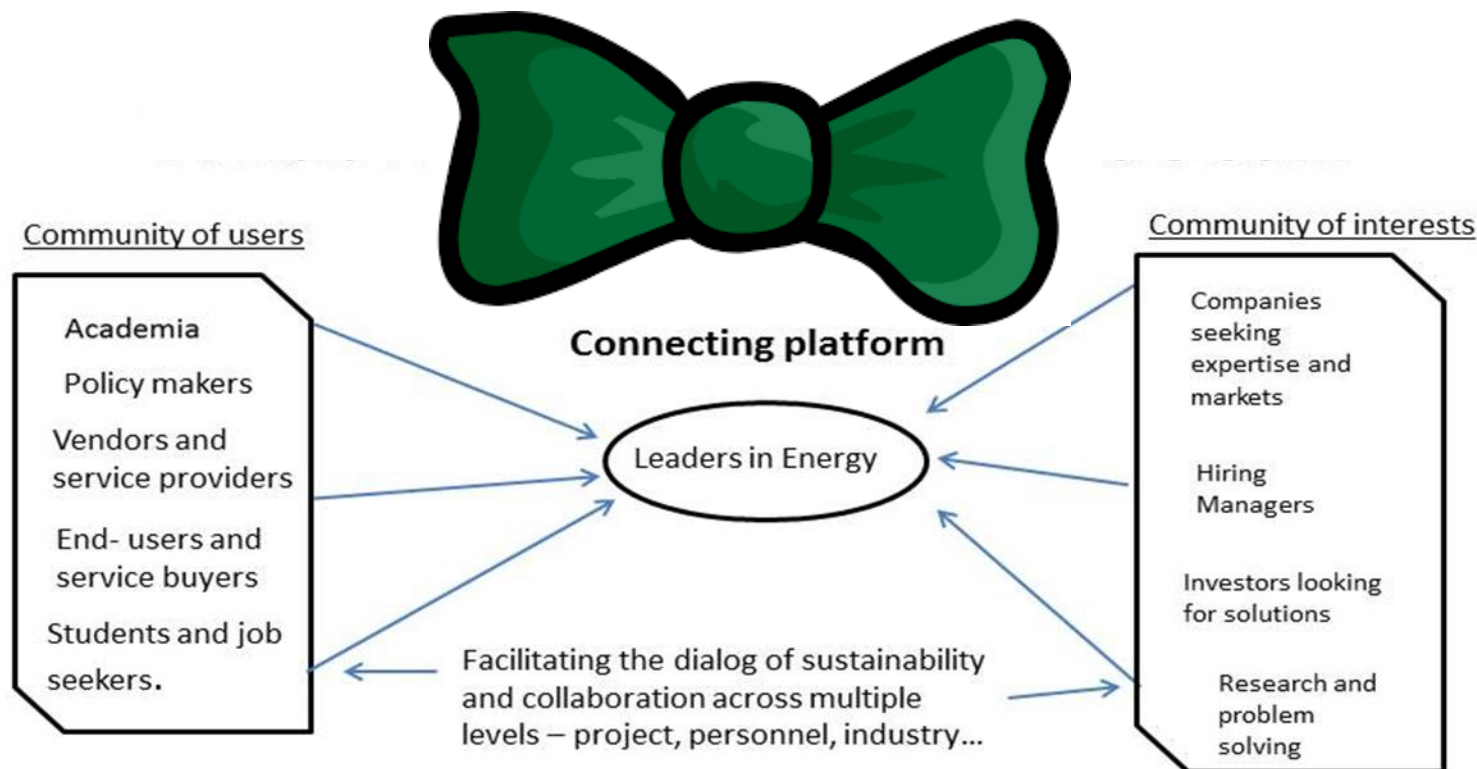
Leaders in Energy

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

What Leaders in Energy Does ... A Platform to Connect Leaders Across Stakeholder Groups to Advance Clean Energy and Sustainable Solutions



Leaders in Energy connects interested parties in green tech with areas of application as seen above to advance clean energy and sustainability solutions.

Leaders in Energy Stakeholders and 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

5th Annual Green Jobs Forum and Green Career Workshops



Green Job Workshops (1.0 and 2.0) and Green Career Momentum Program which trained over 100 participants

University of Maryland Clean Energy and Sustainability Showcase (Extravaganza)



4th Annual Green Finance Event (with PEDC)



Circular Economy - Sharing & Transferring Innovative Solutions to Move Away from a Throwaway Society



CE Working Group for DMV Region



Circular Economy Tech Tour to Visit C2 in Berryville, VA, September 22, 2018 PLUS a Sustainable Winery!



This Event – Zero Waste

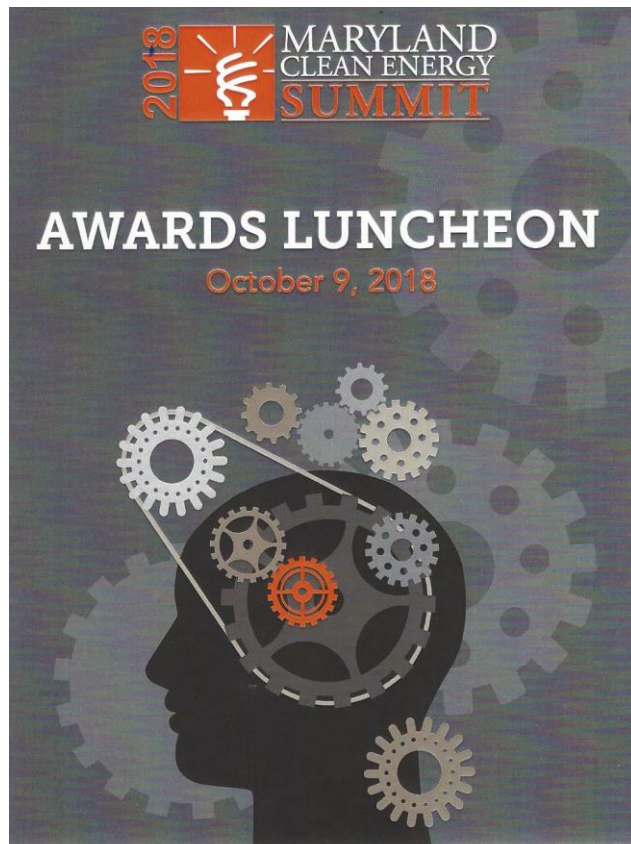


Green Leaders Retreat

June 8, 2018



Leaders in Energy Received Award from Maryland Clean Energy Center





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 • EDISON ELECTRIC INSTITUTE • 701 PENNSYLVANIA AVE NW • WASHINGTON, DC

Environmental Leader Sponsor



2019 Upcoming Events, Green Career & Leadership Workshops

- **5th Green Finance Event -- January 24, 2019 (with Potential Energy DC, Location TBD)**
- **Green Career 1.0 and 2.0 Workshops, January 16, 2019**
- **Green Leadership Workshop, January 17, 2019**
- **Energy & Sustainability Extravaganza at George Washington University (with Association of Energy Engineers) March 1, 2019**

FOUR GEN AWARDEE INTRODUCTIONS AND REMARKS

Four Generations Awardees

World War II/Traditionalist



Dr. Herman Daly, Emeritus Professor, University of Maryland and Visionary of Ecological Economics

Accepting on behalf of Dr. Daly, Dr. Brian Czech, Executive Director of the Advancement of the Steady State Economy (CASSE)

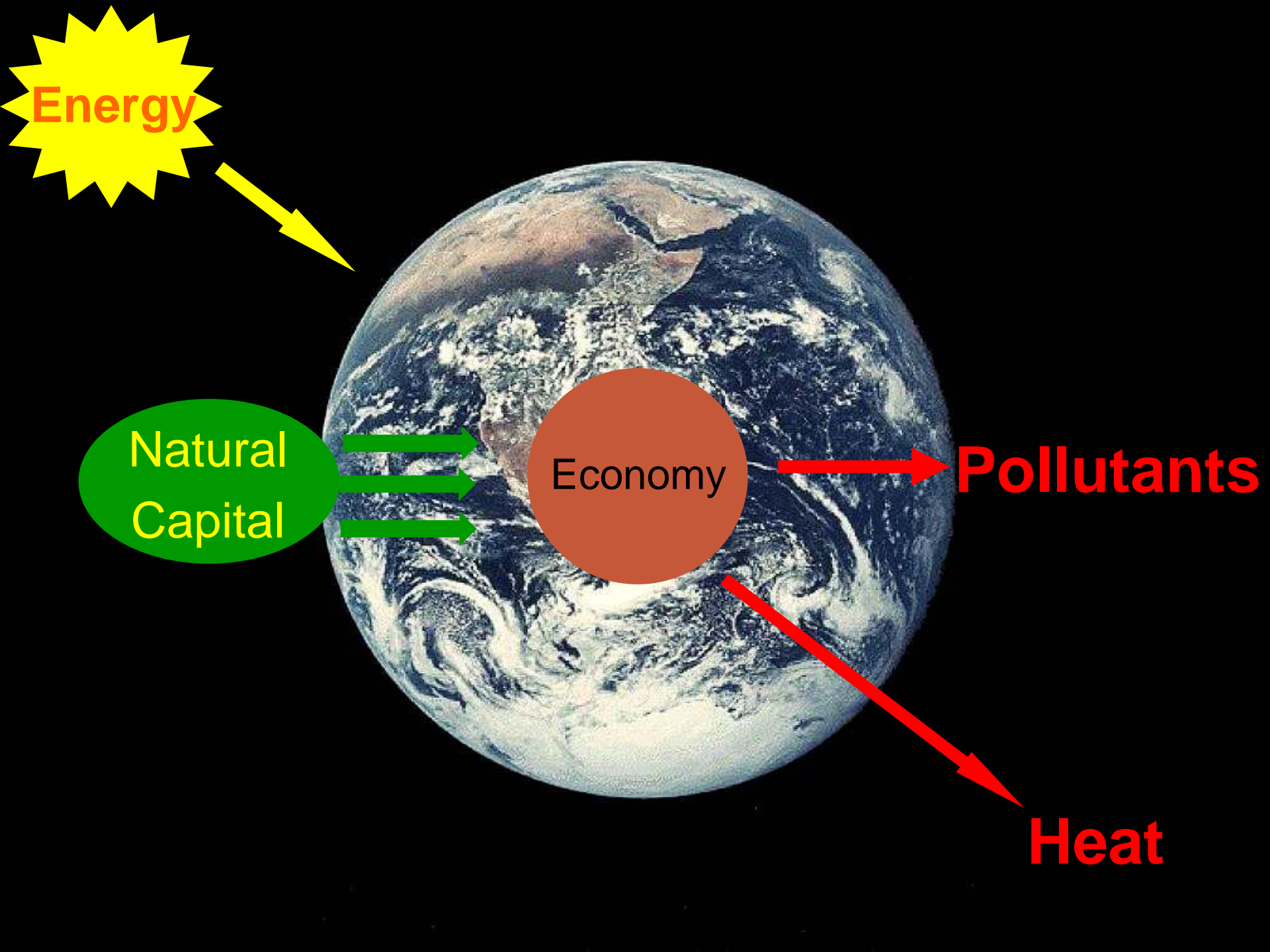


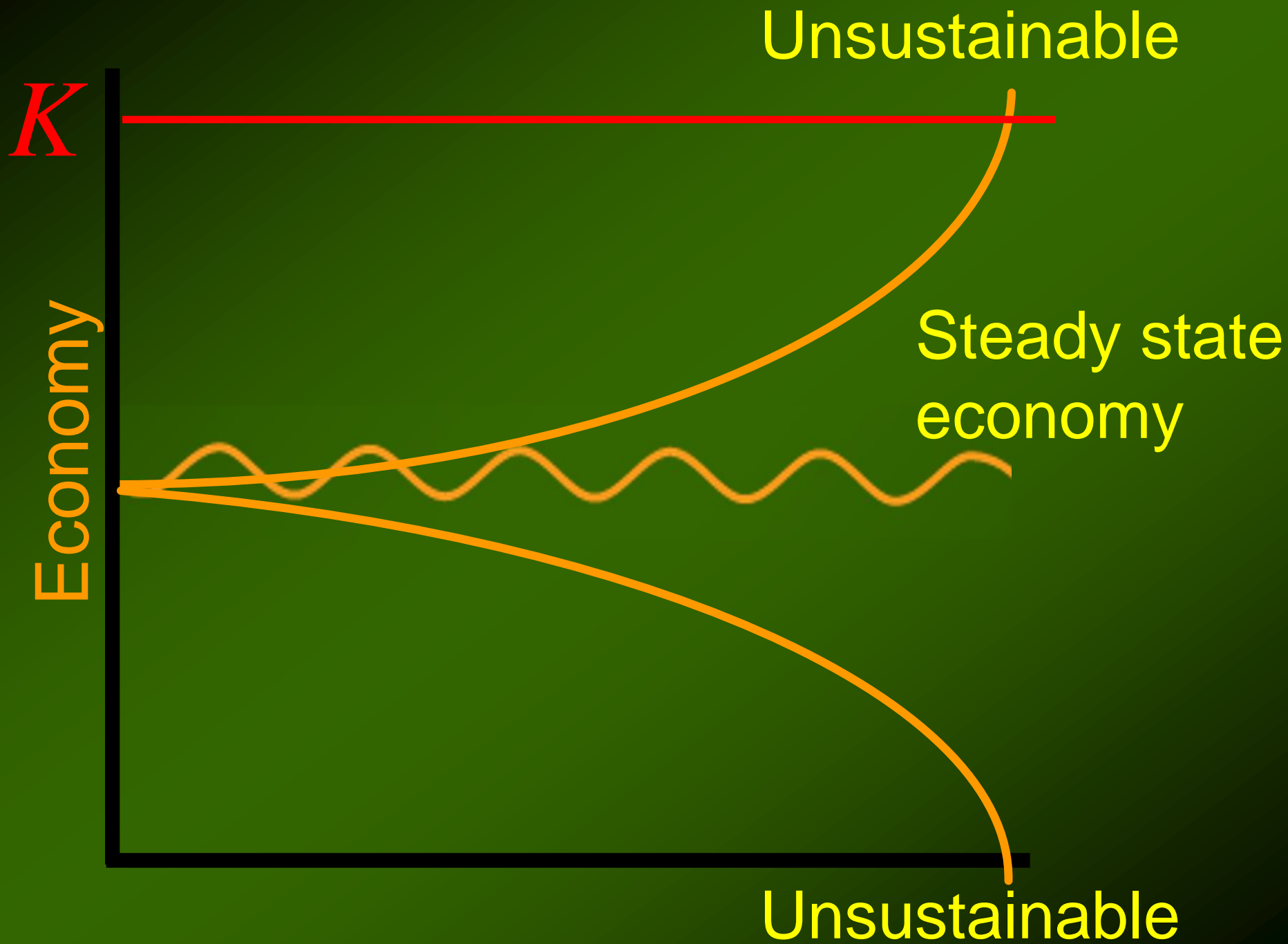
Leaders in Energy

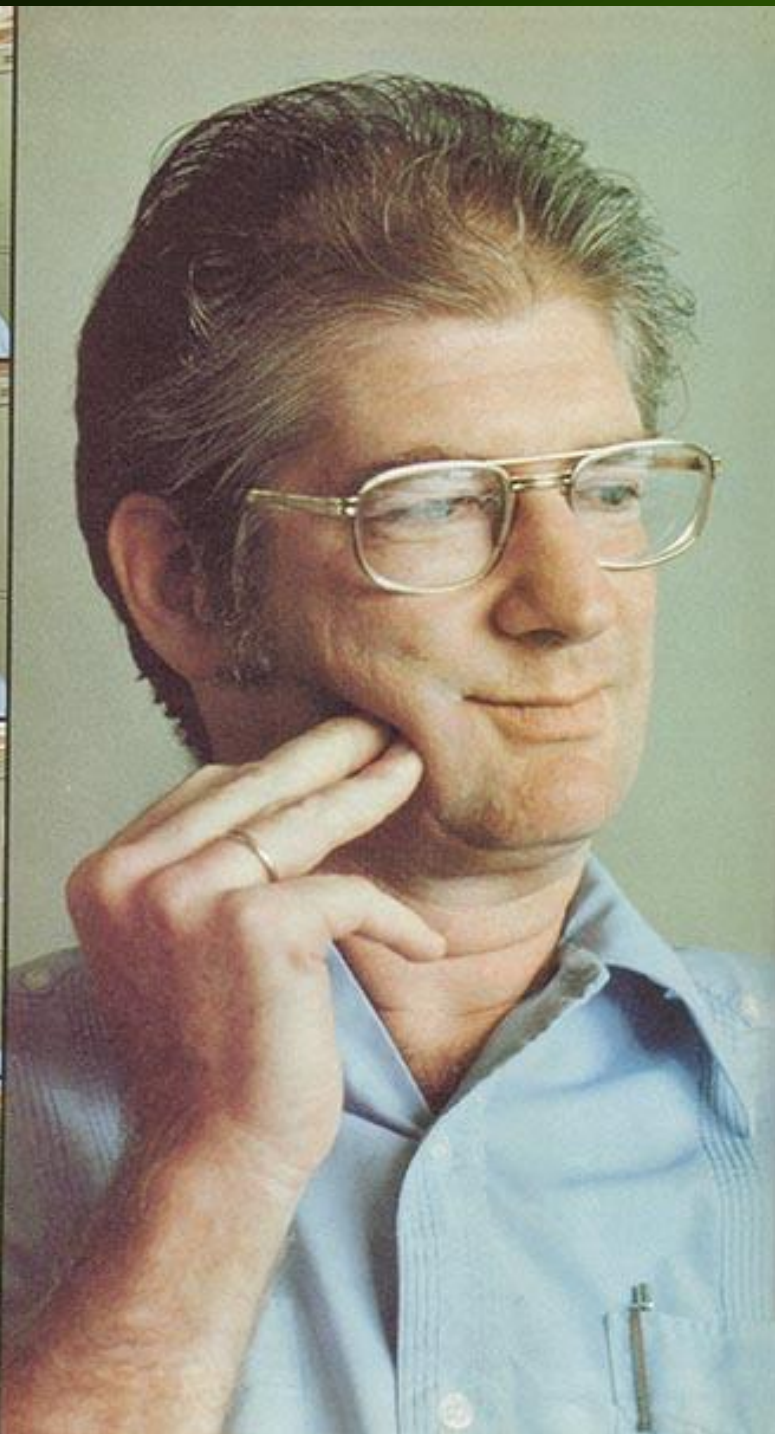
Herman Daly, Steady State Economics, and Sustainability Leadership

Acceptance Speech
By Brian Czech

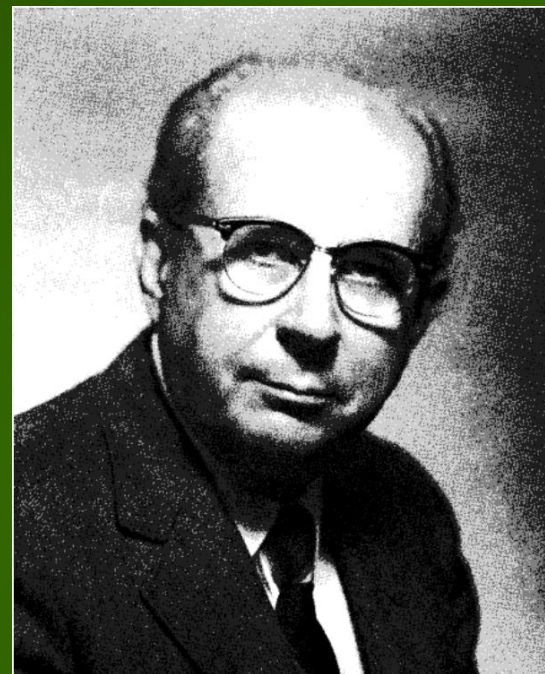








Herman
Daly on the
road to
steady state
economics...



With Nicholas
Georgescu-
Roegen the
mentor...



...and eventually
with Robert
Goodland, friend
and colleague.



Daly's Leadership

- Not intended, plotted, or planned
- Personal and professional integrity
- Classical economics including moral philosophy
- Intellectual rigor – academic hard work!
- Interdisciplinary, big-picture, long-term thinking
- Modesty → trust → friends and followers

Sample of Accomplishments

- Foundational journal articles and books including *Steady State Economics*, *For the Common Good*, *Beyond Growth*, and *Ecological Economics*
- Stellar career at LSU → World Bank → University of Maryland (scholar, instructor, advisor, mentor)
- Co-founder, International Society for Ecological Economics
- Right Livelihood Award, Heineken Prize for Environmental Science, Blue Planet Prize, NCSE Lifetime Achievement Award (and now the Four Gen Award)
- Inspired an effort for Nobel Prize in Sustainable Economics
- Subject of a 2017 festschrift, and still contributing

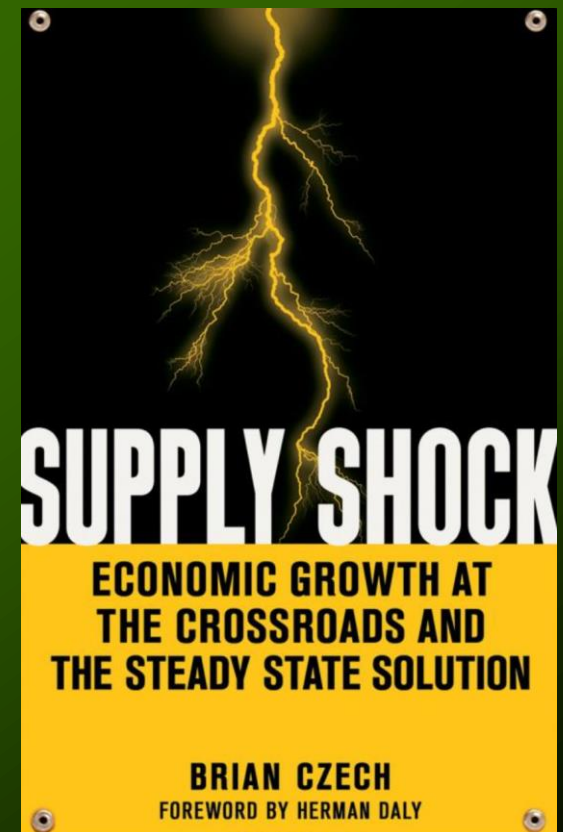
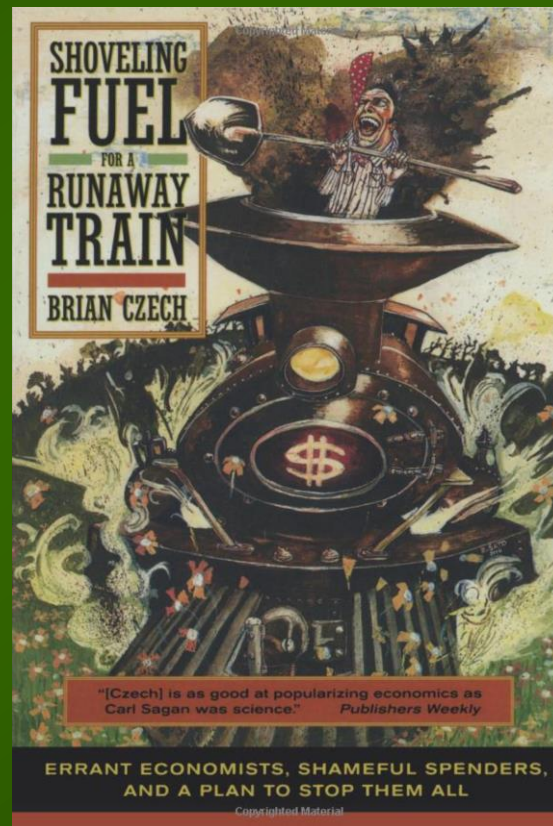
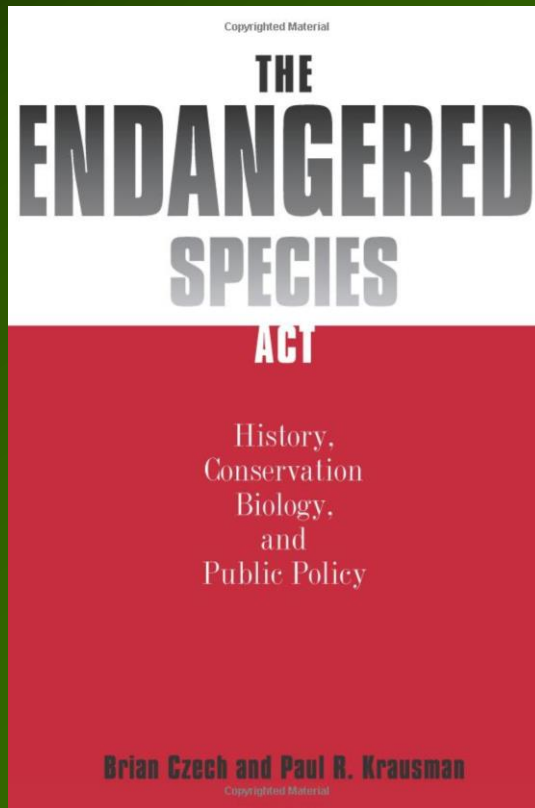
Legacy

Nothing short
of a Dalyist
school of
economic
thought.



One Testimonial

“These [Daly writings] were the most potent conservation policy implications I had ever seen.” Brian Czech



Now a bit about CASSE....

- Only organization in the world dedicated explicitly to advancing the steady state economy
- Established by Brian Czech in 2003
- 501(c)(3) non-profit educational org
- Dalyist vision
- Herman Daly on board (literally)
- Business model: scholarship, signatories, volunteerism, truth



Quick Word on a Leadership Tactic

“It’s the most encouraging development I’ve seen.” Herman Daly

Positions taken by:

- The Wildlife Society
- Ecological Society of America
- Society for Conservation Biology
- Several others.



Fisheries
Volume 30
Series Logo



Next Steps

- Couple our renewable energy activism with steady statesmanship
- Sign the CASSE position at www.steadystate.org .
- Explore the Dalyist school of thought!



Four Generations Awardees

Baby Boomer



**Queen Zakia Shabazz,
Coordinator, Virginia
Environmental Justice
Collaborative**



Virginia Environmental Justice Collaborative

**A CLEAN, HEALTHY, JUST and EQUITABLE
Environment for All Virginians!**

The mission of the VEJC is to build the health and wealth of communities of color, low income communities, and communities overburdened by pollution in Virginia by reducing the disproportionate impact of environmental hazards through educating, empowering, and mobilizing grassroots organizations and individuals to speak for themselves and through building an alliance to advocate for equitable policies and practices.

**Gov. McAuliffe Signs EO 73 October 31, 2017
The ACEJ is Born**



Four Generations Awardees

Gen X



**Stephen Coughlin,
President and Chief
Executive Officer,
Fluence**

The image shows a vast industrial facility, likely a battery energy storage system, with rows of large metal racks filled with components. Two workers wearing hard hats and safety gear are standing in the foreground, looking at the equipment. The scene is set against a clear sky. The image is partially covered by a large blue geometric shape that points towards the right, where the text is located.

Leading in Energy Storage

FLUENCE
A Siemens and AES Company

30 MW of energy storage for San Diego Gas & Electric

Largest energy storage project in North America

- 30 MW / 120 MWh
- Contract to online in 6 months
- Sited on 1 acre, where a power plant could not be permitted

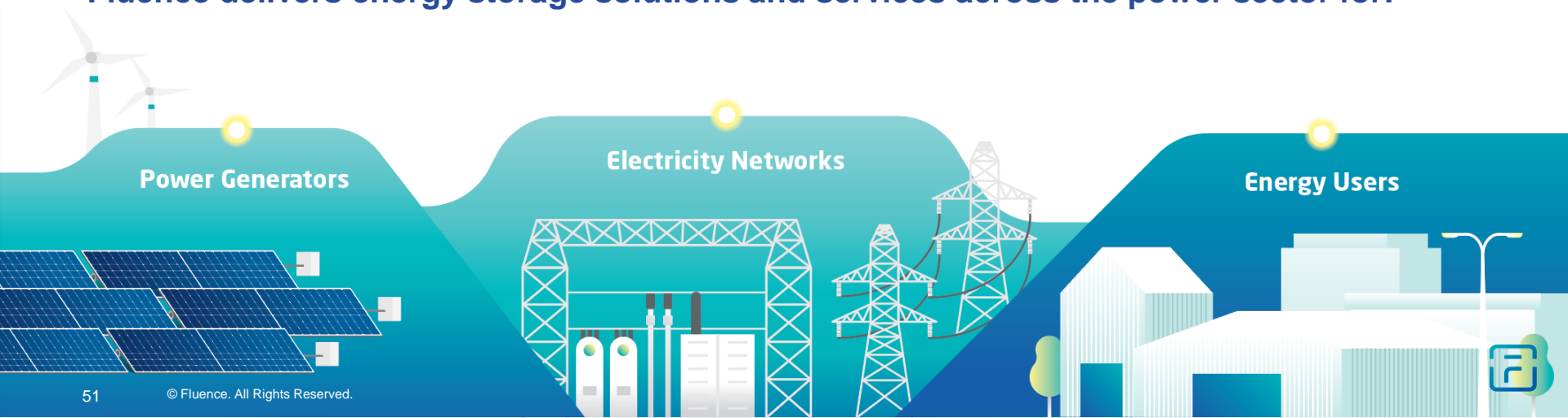


Why Energy Storage?

Energy storage is the key to transforming and modernizing our power networks and enables us to:

- Achieve the full potential of solar and wind and deliver renewables on demand.
- Add much-needed flexibility, reliability, and resilience to our power networks.

Fluence delivers energy storage solutions and services across the power sector for:



A dedicated energy storage technology & services provider
backed by two industry veterans – Siemens and AES

FLUENCE

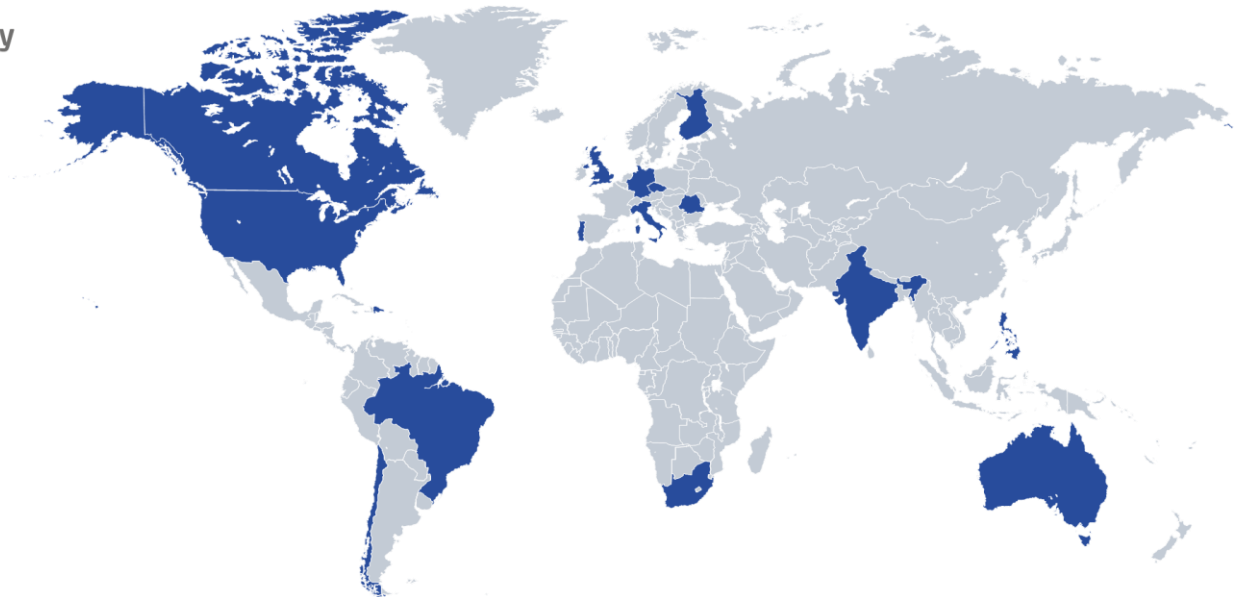
A Siemens and AES Company

 **> 700**
TOTAL MW

 **17**
COUNTRIES

 **>75**
PROJECTS*

*Deployed or Awarded



Our mission and vision unite us at Fluence

**Transform the way we
power our world to create
a more sustainable future**



Four Generations Awardees

Millennial



**Lindsey Robinett Shaw,
Commercial Energy Program Manager,
Montgomery County Department of
Environmental Protection**

Montgomery County DEP and USGBC-NCR invite you to:



Wednesday, April 3rd, 2019

The **Montgomery County Energy Summit** offers cutting-edge education and networking opportunities for the commercial building community.

Learn more at: MCEnergySummit.org

Four Generations Panel

Connection Shout-Outs

Door Prizes from Our Benefactor Sponsors

Association of Energy Engineers –
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Career Confidence

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Clean Energy Business Network

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**Thank You
and Happy
Holidays!**