



May 21, 2018

The Honorable Richard Shelby
Chairman, Senate Appropriations Committee
304 Russell Senate Office Bldg.
Washington, DC 20510

The Honorable Patrick Leahy
Ranking Member, Senate Appropriations Committee
437 Russell Senate Office Bldg.
Washington, DC 20510

The Honorable Lamar Alexander
Chairman, Senate Appropriations Subcommittee on
Energy & Water Development
455 Dirksen Senate Office Bldg.
Washington, DC 20510

The Honorable Dianne Feinstein
Ranking Member, Senate Appropriations Subcommittee
on Energy & Water Development
331 Hart Senate Office Bldg.
Washington, DC 20510

Dear Chairmen Shelby and Alexander & Ranking Members Leahy and Feinstein:

As companies and organizations deploying clean and efficient energy technologies across the United States, we urge you to provide robust support for federal clean energy programs in fiscal year 2019 (FY2019).

Within the jurisdiction of the Energy and Water Subcommittee, we specifically urge you to maintain robust funding in FY2019 for critical Department of Energy (DOE) offices such as Energy Efficiency and Renewable Energy, Electricity Delivery and Energy Reliability, Fossil Energy, the Office of Science, and the Advanced Research Projects Agency – Energy. We also urge the full Appropriations Committee to continue to support the wide range of energy-related activities that fall under the jurisdiction of other federal agencies, such as the Departments of Interior (DOI), Defense (DOD), Agriculture (USDA), and Environmental Protection Agency (EPA).

Federal investments like these encourage private-sector innovation, support critical technical assistance to customers and providers and help address barriers to deployment—paving the way for diverse energy technologies to rise and compete. Consumers, businesses, and taxpayers across America are enjoying the benefits of job creation, lower energy bills, greater reliability, increased domestic investment, and healthier communities.

Across every energy sector in the U.S., federal investments have historically helped pave the way for technology improvements and cost declines. The 2018 [Sustainable Energy in America Factbook](#) produced by the Business Council for Sustainable Energy and Bloomberg New Energy Finance documents recent trends in the clean energy made possible in part by government investment:

- Natural gas and renewable energy accounted for half of electricity generation in the U.S. in 2017
- Consumers devoted a smaller share of their spending in 2017 towards electricity than at any time ever recorded, and the total share of household expenses dedicated to energy costs also hovered near an all-time low
- Clean energy in the U.S. attracted \$57 billion in investment in 2017
- The renewable energy, energy efficiency and natural gas sectors employed approximately 3 million Americans in 2016

A new companion project by the Clean Energy Business Network, [Faces Behind the Facts](#), tells the stories of business leaders working across these industries, and features examples of how federal programs have helped launch successful business ventures and provide solutions that work for American consumers and taxpayers.

Allocating resources for clean energy initiatives in FY2019 will help expand a diverse array of technologies and accelerate cost declines, ensuring continued job growth in the energy sector and a clean, resilient, and cost-competitive energy system.

Sincerely,

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Clean Energy Business Network
Washington, DC

Jennifer Kefer, Executive Director
Alliance for Industrial Efficiency
Arlington, VA

Michael Sams, CEO & President
AMSEnergy Corp
Columbia, TN

Jen Derstine, Director of Strategy, Policy & Corp. Dev.
Capstone Turbine Corporation
Annandale, VA

Jim Butler, CTO
Cimetrics Inc.
Boston, MA

Sam Weaver, CEO
Cool Energy, Inc.
Boulder, CO

Laura Berland-Shane, Southern CA Chapter Director
E2- Environmental Entrepreneurs
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Alexandria, VA

Jonathan Stone,
Chippewa Falls, WI

Mee Haaw,
Chicago, IL

Tyra Rankin,
Houston, TX

Alex Stavis,
New York, NY



Case Studies of Small- and Medium-Size Businesses Benefitting from Federal Clean Energy Programs May 15, 2018

A new project launched by the Clean Energy Business Network in 2018, [Faces Behind the Facts](#), tells the stories of business leaders working across the clean energy economy. Of the 8 businesses profiled in our initial release, more than half have benefitted from federal grants and/or technical assistance:

- **Onboard Dynamics (Rita Hansen):**
 - An ARPA-E award enabled the development of the mobile natural gas compression technology that led to the creation of this company. [Also see video interview of Rita Hansen, created by Citizens for Responsible Energy Solutions \(CRES\) Forum.](#)

- **ElectraTherm (John Fox) and Gulf Coast Green Energy (Loy Sneary):**
 - The Department of Energy's Research Partnership to Secure America (RPSEA) program helped fund a [flare reduction demo project in ND](#) and a [demo project to capture waste heat from O&G produced waters in MS](#).
 - A Department of Energy grant helped fund ElectraTherm's demo project on [low-temperature geothermal project](#) in NV.
 - The Navy has funded an ElectraTherm demo project at [Guantanamo Bay](#).
 - The U.S. Naval Academy and Office of Naval Research are partnering with ElectraTherm on a project in Annapolis, MD to test onboard ship applications of the Power+ generator.

- **ThermoLift (Paul Schwartz):**
 - One of the initial funding sources that helped ThermoLift develop its natural-gas fired heat pump technology include [a grant](#) from DOE's Building Technologies Office.

- **Capstone Turbine Corp. (Jen Derstine) and UGI HVAC (Gary Fechter):**
 - Both of these companies are examples of CHP developers that benefit from the customer education performed by the Department of Energy's CHP Technical Assistance Program.

Many of our [Member Case Studies](#) and [guest blog posts](#) also highlight the importance of federal grants and technical assistance programs. For example:

- [Public-Private Partnerships Fuel American Ingenuity](#) (Q&A with John Carlisle, Director, Chain Reaction Innovations at Argonne National Laboratory; Bernard Johnson, Co-founder and CEO, ClearFlame; Ian Hamilton, Founder and CEO, Atlas Energy Systems, LLC; and Justin Whiteley, Chief technology officer and co-founder, Emergy)
- [Small Businesses are the Next Big Thing in Energy Innovation](#) (Q&A with Jen Derstine, Director of Strategy and Policy, Capstone Turbine Corp.)
- [From the Space Coast to Energy Innovation: The New Frontier for the Southeast's Economy](#) (Q&A with Mike Aller, Executive Director, Energy Florida)
- [We Can't Take America's Energy Innovation Leadership for Granted](#) (Laura Thompson, Vice President, Flow Energy)