

March 23, 2012

The Honorable Dianne Feinstein
Chairman
Subcommittee on Energy and Water
Development
Committee on Appropriations
United States Senate
Washington, DC 20510

The Honorable Lamar Alexander
Ranking Member
Subcommittee on Energy and Water
Development
Committee on Appropriations
United States Senate
Washington, DC 20510

Dear Chairman Feinstein and Ranking Member Alexander:

We write today to encourage the Subcommittee to continue funding for the Department of Energy's Combined Heat and Power activities within the Advanced Manufacturing Office of the Energy Efficiency and Renewable Energy Office. Combined heat and power has been funded at the \$25 M level for several years and we encourage that level of funding to continue in FY13 for development and deployment activities. This is the only CHP funding in the entire federal government.

Combined heat and power (CHP)—sometimes called cogeneration—is an integrated application of technologies for the simultaneous, on-site production of electricity and heat. It represents a cost-effective, near-term opportunity to improve our nation's energy, environmental, and economic future. Currently, two thirds of U.S. power generation fuel energy is simply thrown away as waste heat. CHP can be deployed in all 50 states, is fuel flexible, comes in many sizes and for many applications and therefore, some CHP technologies are ready for market transformation activities while others are still in the development stages. In total, according to an Oak Ridge National Laboratory Report, these technologies can save 5.3 GigaWatts of energy by the year 2030, the equivalent of half of all residential energy use in the United States today.

Secretary Chu described DOE as “bullish on CHP” in his February 16 testimony to the Senate Energy and Natural Resources Committee. He talked about his recent visit to the new CHP system at the Texas Medical Center in Houston, which, like many medical centers, universities, and cities is served by a district energy system. With DOE's support, a highly efficient CHP system producing steam and chilled water was recently installed at the medical center that saved customers over \$9 million in the first year. In the fiscal year 2013 Budget Request, the Department of Energy has significantly changed both the focus and the presentation of their budget. What was “Industrial Technologies Program” has now become “Advanced Manufacturing Office” and the structure provides maximum flexibility for funding. The Budget

Justifications, therefore, contain no mention of continued work on CHP. We believe this is an oversight and urge continued funding for this important program to address development, demonstration and market transformation activities in CHP. Given the efficiency, environmental and grid reliability benefits of CHP and district energy, it is important that DOE programs specifically address development, deployment and market barriers related to these systems.

Thank you for your attention to this request.

Sincerely,

National Organizations:

Alliance for Industrial Efficiency
American Council for an Energy Efficient Economy
American Gas Association
Clean Heat and Power Association
Energy Solutions Center
International District Energy Association
Mechanical Contractors Association of America (MCAA)
Sheet Metal and Air Conditioning Contractor's National Association (SMACNA)

Alaska

University of Alaska, Fairbanks

Arizona

Affiliated Engineers, Inc.
NRG Energy Center Phoenix
NRG Energy Center Tucson

California

Affiliated Engineers, Inc.
Capstone Turbine Corporation
Chem-Aqua, Inc.
Goss Engineering, Inc.
Leva Energy
NRG Energy Center San Diego
NRG Energy Center San Francisco
Solar Turbines Incorporated
Syska Hennessy Group, Inc.
University of California, San Francisco
Vanderweil Engineers
Veolia Energy

Colorado

Colorado State University

Connecticut

COWI North America Energy
Fibrelite
The Hartford Steam Company

Delaware

ICETEC Energy Services
NRG Energy Center Dover

Florida

Affiliated Engineers, Inc.
Chem-Aqua, Inc.
ONICON Incorporated
Syska Hennessy Group, Inc.
TMEnergyLLC

Georgia

Chem-Aqua, Inc.
RMF Engineering, Inc.
Syska Hennessy Group, Inc.

Iowa

Statistics & Control, Inc.

Illinois

Affiliated Engineers, Inc.
Caterpillar
Eastern Illinois University
Energy Resources Center, University of
Illinois at Chicago IL
Energy Solutions Center
Gas Technology Institute
Recycled Energy Development
Stoneham Consulting
Syska Hennessy Group, Inc.

Indiana

Applied Engineering Services
Chem-Aqua, Inc.
Citizens Energy Group

Massachusetts

Syska Hennessy Group, Inc.
UMass Medical School
Vanderweil Engineers
Veolia Energy

Maryland

Affiliated Engineers, Inc.
CPF Underground Utilities, Inc.
Evapco, Inc.
Piping & Corrosion Specialties, Inc.
RMF Engineering, Inc.
Veolia Energy

Michigan

Detroit Thermal
Veolia Energy

Minnesota

Cummins Power Generation
District Energy St. Paul
Ever-Green Energy
FVB Energy, Inc.
Kattner Associates LLC
NRG Energy Center Minneapolis
Uponor

Missouri

Burns & McDonnell Engineering Company,
Inc.
Veolia Energy

North Carolina

Affiliated Engineers, Inc.
RMF Engineering, Inc.
SPX Flow Technology Systems
Syska Hennessy Group, Inc.

Nebraska

Energy Systems Company

New Hampshire

TVC Systems
Waldron Engineering & Construction, Inc.

New Jersey

Blue Sky Power
Chem-Aqua, Inc.
Concord Engineering
DCO Energy LLC
Energenic-US LLC
Integrated CHP Systems
Joseph Technology Corporation
Kessler Ellis Products
NRG Energy Center Princeton
Syska Hennessy Group, Inc.
Thermo Systems LLC
Veolia Energy

Nevada

Chem-Aqua, Inc.
Southwest Gas Corporation
Vanderweil Engineers

New York

Alstrom Energy Group
Cool Systems
GI Endurant LLC
Hudson Technologies
Tricon Piping Systems, Inc.
Vanderweil Engineers
Veolia Energy
Waldron Engineering of NY, P.C.

Ohio

Bahnfleth Group Advisors, LLC
The Medical Center Company
Youngstown Thermal

Oklahoma

Oklahoma Natural Gas Company
Veolia Energy

Oregon

Veolia Energy

Pennsylvania

Center for Building Performance &
Diagnostics, Carnegie Mellon University
Elliott Group
NRG Energy Center Harrisburg
NRG Energy Center Pittsburgh
Philadelphia Gas Works
The Pennsylvania State University
Vanderweil Engineers
Veolia Energy

South Carolina

RMF Engineering, Inc.

Texas

Affiliated Engineers, Inc.
Chem-Aqua, Inc.
Siemens Energy, Inc.
Syska Hennessy Group, Inc.
Thermal Energy Corporation

Utah

Aquatherm, Inc

Virginia

APPA: Leadership in Educational Facilities
Resource Dynamics Corporation
Syska Hennessy Group, Inc.
Vanderweil Engineers

Washington

Affiliated Engineers, Inc.
Cascade Power Group
Infinia Corporation
VA:W

Washington, DC

Environmental and Energy Study Institute
Syska Hennessy Group, Inc. DC

Wisconsin

Affiliated Engineers, Inc.
Syska Hennessy Group, Inc.

March 23, 2012

The Honorable Rodney Frelinghuysen
Chairman
Subcommittee on Energy and Water
Development, and Related Agencies
Committee on Appropriations
United States House of Representatives
Washington, DC 20515

The Honorable Pete Visclosky
Ranking Member
Subcommittee on Energy and Water
Development, and Related Agencies
Committee on Appropriations
United States House of Representatives
Washington, DC 20515

Dear Chairman Frelinghuysen and Ranking Member Visclosky:

We write today to encourage the Subcommittee to continue funding for the Department of Energy's Combined Heat and Power activities within the Advanced Manufacturing Office of the Energy Efficiency and Renewable Energy Office. Combined heat and power has been funded at the \$25 M level for several years and we encourage that level of funding to continue in FY13 for development and deployment activities. This is the only CHP funding in the entire federal government.

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