U.S. Department of Energy
Clean Energy Application Centers

Combined Heat and Power (CHP) solutions represent a proven and effective near-term energy option to help the United States enhance energy efficiency, ensure environmental quality, promote economic growth, and foster a robust energy infrastructure. The U.S. DOE National CHP Roadmap, a culmination of state, regional, national, and international efforts, states that increased regional CHP outreach and assistance could help increase the deployment of CHP opportunities in the United States. In response to the National CHP Roadmap, DOE established a network of Regional **Clean Energy Application Centers (CEACs)**, formerly called the CHP Regional Application Centers (RACs).

DOE's Regional Clean Energy Application Centers promote and assist in transforming the market for combined heat and power, waste heat recovery, and district energy technologies and concepts throughout the United States. Key services of the CEACs include:

- **Market Assessments** – Supporting analyses of CHP market potential in diverse sectors, such as health care, industrial sites, hotels, and new commercial and institutional buildings.
- **Education and Outreach** – Providing information on the benefits and applications of CHP to state and local policy makers, regulators, energy end-users, trade associations and others.
- **Technical Assistance** – Providing technical information to energy end-users and others to help them consider if CHP, waste heat recovery or district energy makes sense for them. This includes performing site assessments, producing project feasibility studies, and providing technical and financial analyses.

For more information on the DOE Clean Energy Application Centers, visit:
http://www.eere.energy.gov/manufacturing/distributedenergy/ceacs.html

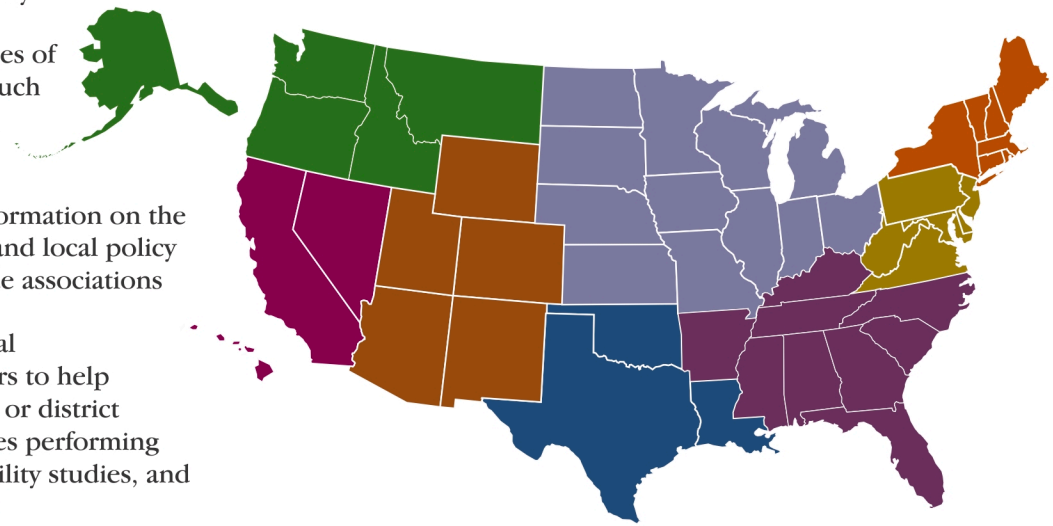
or visit the individual DOE CEAC web sites directly for details on the services provided and upcoming events.

Related Links

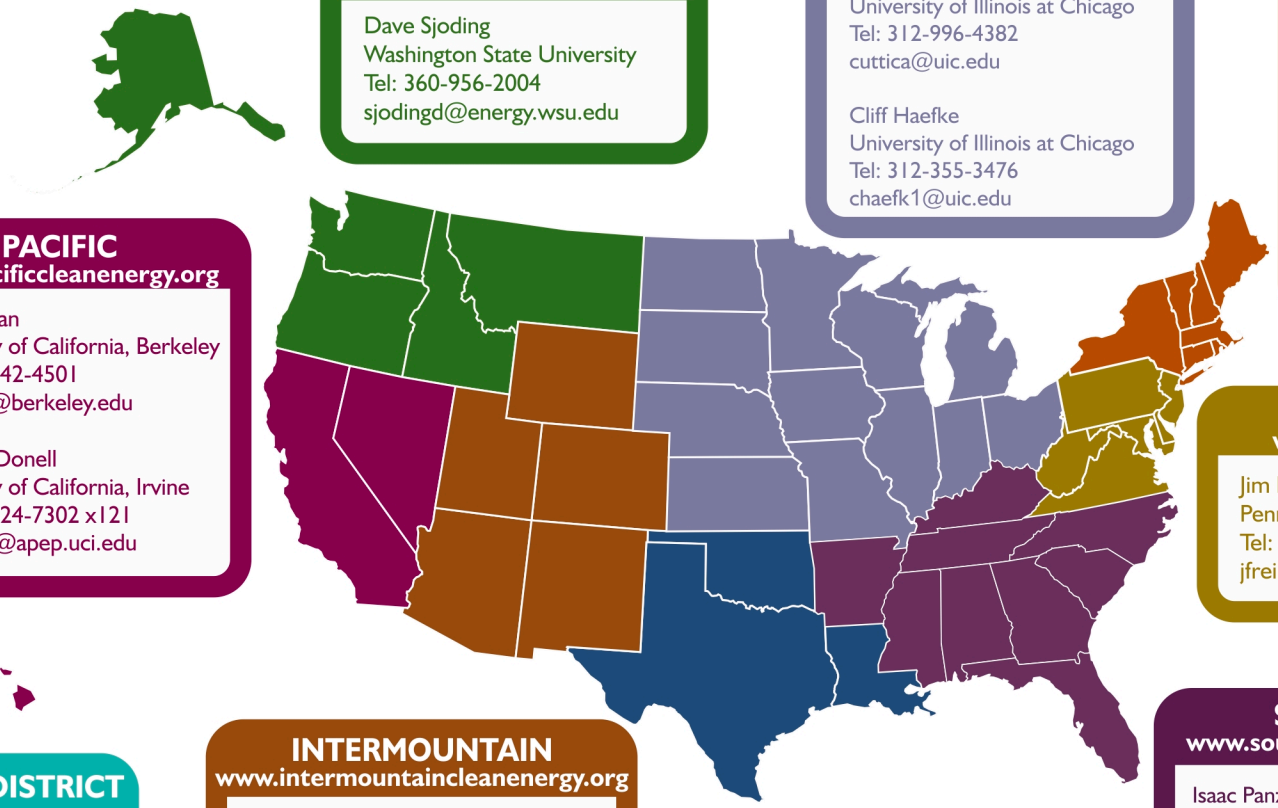
International District Energy Association
www.districtenergy.org

U.S. Environmental Protection Agency
Combined Heat and Power Partnership
www.epa.gov/chp

United States Clean Heat and Power Association
www.uschpa.org



DOE Clean Energy Application Centers: Locations, Contacts, and Web Sites



NORTHWEST
www.northwestcleanenergy.org

Dave Sjoding
Washington State University
Tel: 360-956-2004
sjodingd@energy.wsu.edu

MIDWEST
www.midwestcleanenergy.org

John Cuttica
University of Illinois at Chicago
Tel: 312-996-4382
cuttica@uic.edu

Cliff Haefke
University of Illinois at Chicago
Tel: 312-355-3476
chaefk1@uic.edu

NORTHEAST
www.northeastcleanenergy.org

Tom Bourgeois
Pace University
Tel: 914-422-4013
tbourgeois@law.pace.edu

Beka Kosanovic
University of Massachusetts Amherst
Tel: 413-545-0684
kosanovi@ecs.umass.edu

PACIFIC
www.pacificcleanenergy.org

Tim Lipman
University of California, Berkeley
Tel: 510-642-4501
telipman@berkeley.edu

Vince McDonell
University of California, Irvine
Tel: 949-824-7302 x121
mcdonell@apep.uci.edu

MID-ATLANTIC
www.maceac.psu.edu

Jim Freihaut
Pennsylvania State University
Tel: 814-863-0083
jfreihaut@engr.psu.edu

INTERNATIONAL DISTRICT ENERGY ASSOCIATION
www.districtenergy.org

Rob Thornton
President
Tel: 508-366-9339
rob.idea@districtenergy.org

INTERMOUNTAIN
www.intermountaincleanenergy.org

Christine Brinker
Southwest Energy Efficiency Project
Tel: 720-939-8333
cbrinker@swenergy.org

Patti Case
etc Group
Tel: 801-278-1927 x 3
plcase@etcgrp.com

GULF COAST
www.gulfcoastcleanenergy.org

Gavin Dillingham
Houston Advanced
Research Center
Tel: 281-364-4060
gdillingham@harc.edu

SOUTHEAST
www.southeastcleanenergy.org

Isaac Panzarella
North Carolina State University
Tel: 919-515-0354
ipanzarella@ncsu.edu

Pedro Mago
Mississippi State University
Tel: 662-325-6602
mago@me.msstate.edu

DOE Clean Energy Application Centers: Program Contacts

Claudia Tighe
Office of Energy Efficiency and Renewable Energy
U.S. Department of Energy
Phone: 202-287-1899
E-mail: claudia.tighe@ee.doe.gov

Joe Renk
National Energy Technology Laboratory (NETL)
U.S. Department of Energy
Phone: 412-386-6406
E-mail: joseph.renk@netl.doe.gov

Patti Garland
Oak Ridge National Laboratory (ORNL)
U.S. Department of Energy
Phone: 202-586-3753
E-mail: patricia.garland@ee.doe.gov

Ted Bronson
DOE CEAC Coordinator
Power Equipment Associates
Phone: 630-248-8778
E-mail: tlbronsonpea@aol.com