

PAST 2005 NEWSLETTERS

November 2005

WELCOME TO THE EPA COMBINED HEAT AND POWER PARTNERSHIP NEWSLETTER

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EPA CHP Partnership at Six Events Past 2 Months

In September and October you may have seen the CHP Partnership present at several events across the country, including:

- *6th Annual International Symposium on Distributed Energy Resources*. Presented by the California Alliance for Distributed Energy Resources (CADER) and the California Solar Energy Industries Association (CalSEIA). September 7-9, 2005. Santa Clara, CA.
- *Energy Solutions for Your Organization*. Sponsored by the Connecticut Clean Energy Fund. September 20-21, 2005. Waterbury, CT.
- *2005 Connecticut Green Building Forum*. Sponsored by the Connecticut Business and Industry Association. September 22, 2005. Hartford, CT.
- *6th Annual World CHP/Decentralized Energy Conference and Workshop*. Presented by the World Alliance for Decentralized Energy (WADE) and the U.S. Combined Heat and Power Association (USCHPA). October 24-27, 2005. New York, NY.

- *Improving Energy Cost Efficiency and Environmental Performance Conference.* Presented by Academic Impressions. October 26-28, 2005. Westminster, CO.
- *Smart and Sustainable Campuses Conference.* Presented by EPA's Office of Policy, Economics, and Innovation, the Society for College and University Planning (SCUP), the Association of Higher Education Facilities Officers (APPA), and the University of Maryland College Park. November 3-4, 2005. College Park, MD.

It has been great to meet so many Partners in person! We are particularly pleased to have presented 20 ENERGY STAR CHP Awards and EPA CHP Certificates of Recognition at these events. For more information on the 2005 Winners, visit <http://www.epa.gov/chp/awards/winners2005.htm>

We look forward to seeing you all in 2006 for our bi-annual EPA CHP Partners meeting. More details on location and date in the coming months.

New Addition to EPA CHP Partnership Team

The CHP Partnership is pleased to have a new member of our team! Tom Frankiewicz joined the CHP Partnership in October as a Program Manager. Prior to joining the Partnership, Tom spent the past ten years in the field of air quality working for state and regional organizations. His most recent work included coordinating efforts to develop a multi-pollutant emission reduction program across the Mid-Atlantic and Northeast states to reduce ground-level ozone, particulate matter, and improve visibility in National Parks.

Tom's work for the Partnership will build on his air quality expertise by providing direct project assistance and energy user education and outreach related to environmental policies, including promoting output-based regulations. Tom will also coordinate with the CHP industry, energy users, and governmental organizations to provide services and tools to help speed CHP projects to successful completion and operation. He has a Bachelor of Science in Public Affairs from Indiana University, School of Public and Environmental Affairs, and is currently working on a Masters of Business Administration at George Washington University. [Tom Frankiewicz](#) (frankiewicz.thomas@epa.gov) can be reached at 202-343-9794.

CHP Funding Opportunities Database Expanded

As a service to our Partners, we have expanded our database of funding opportunities on our Web site. It now contains information on CHP funding opportunities, biomass/biogas funding opportunities, and helpful utility rates and environmental regulations. This information can be sorted by name, type or state. We expect to add additional regulatory/rates opportunities over the next month. This information is continually updated twice a month. We encourage our Partners to visit this site regularly for current opportunities available to assist your project!

http://www.epa.gov/chp/funding_opps.htm

2005 CHP Partnership Annual Update

New for 2006, the CHP Partnership is pleased to provide our Partners with a 2005 CHP Partnership Annual Update. This document will capture the highlights of the Partnership, our Partners, and our plans for 2006. Expect to receive this exciting update in early 2006!

EPA Submits Comments to FERC

The EPA submitted comments to the Federal Energy Regulatory Commission in Docket RM05-36-000. This Notice of Proposed Rulemaking addresses new standards required by the Energy Policy Act of 2005 for the certification of new Qualifying Facilities (QF) that are cogenerators. EPA stated the importance that the Commission continue to recognize the benefits QF systems provide by not creating unintended barriers to new QF systems through this rulemaking.

If you would like a copy of the comments, please contact [Katrina Pielli](mailto:pielli.katrina@epa.gov) (pielli.katrina@epa.gov).

Thank You to Partners that Reported 2005 Project Data

We would like to thank our Partners who submitted their 2005 CHP project data! These Partners will receive a CHP Partner Greenhouse Gas Reduction Report. This report will be a full-color certificate that states the number of CHP projects for which the Partner has reported data to EPA, along with an estimate of the associated greenhouse gas emission reductions attributable to these projects. If you have questions about your project reporting, contact [Kim Crossman](mailto:crossman.kim@epa.gov) (crossman.kim@epa.gov).

CT Requests Comments on CHP for Renewable Portfolio Standard Development

On July 21, 2005, Connecticut House Bill 7501, "An Act Concerning Energy Independence," was signed into law by Governor Rell. This law includes numerous provisions which are positive developments for CHP, including creating a New Efficiency and CHP Portfolio Standard. The bill requires standard offer and competitive electric suppliers to obtain the following percentage of their output from energy conservation services and CHP generation at commercial and industrial sites (Class III Renewables):

1% by January 1, 2007

2% by January 1, 2008

3% by January 1, 2009

4% by January 1, 2010

Class III: CHP must have an operating efficiency no less than 50 percent, be sited at a commercial or industrial end-user's facility, and be developed on or after January 1, 2006 or the electricity savings created at commercial or industrial facilities from conservation and load management programs constructed or initiated after January 1, 2006.

The Connecticut Department of Public Utility Control is currently seeking written comments to assist them in developing these Class III resources, which include CHP. This docket is 05-07-19. They are specifically interested in comments addressing the below topics, but comments are not limited to these topics:

- How post January 1, 2006 conservation and load management program savings will be determined;
- How to measure electricity output from combined heat and power systems with an operating efficiency level of no less than 50 percent that are part of customer-side distributed resources developed at commercial and industrial facilities in Connecticut on or after January 1, 2006;

- How to verify the accuracy of energy efficiency, conservation, and customer-side distributed resources credits;
- How the credits created in this program should be allocated between the customer and Energy Conservation & Load Management Fund;
- How to manage the trading of credits.

Comments are due December 5, 2005. We encourage our Partners who currently develop CHP projects in the state or are planning to pursue opportunities in the state as a result of this and other policy measures to file comments.

The Notice of Request for Written Comments and other materials are available at

<http://www.dpuc.state.ct.us/dockcurr.nsf/Web+Main+View/Search+Electric?OpenView&StartKey=05-07-19>

DOE Offers Energy Savings Assessments for Energy-Intensive

Manufacturing Firms

As part of the Save Energy Now initiative, DOE will be sending teams of qualified efficiency experts to 200 of the nation's most energy-intensive manufacturing facilities to conduct Energy Savings Assessments. This initial round of assessments will focus primarily on identifying immediate opportunities to reduce natural gas consumption in steam and process heating systems. There is no charge for these assessments, but participants must agree to actively participate in the process and must be willing to implement cost-effective measures that are identified. An assessment such as this is key for evaluating the potential benefits of CHP in an industrial application.

Additional information on this program and the online application form is available at <http://www.eere.energy.gov/industry/saveenergynow/assessments.html>.

The first round of applications opens **November 8, 2005** and closes **December 9, 2005**. Additional application periods may be opened at a later date.

DOE Soliciting Applications for Grants for RD&D of Innovative Energy Systems for the Chemical Industry

The U.S. Department of Energy (DOE) Office of Energy Efficiency and Renewable Energy (EERE) is seeking applications for cost-shared research, development, and demonstration of Innovative Energy Systems that can be widely applied throughout the U.S. chemical industry. Energy Systems, referred to in this announcement as the Energy Supply Chain, are defined as those **technologies and systems, located on or near the chemical plant, that produce and/or transport energy (electrical, thermal, mechanical) to the process, and/or recycle waste energy streams resulting from the chemical process**. The Energy Supply Chain in this announcement excludes the chemical process itself. DOE is requesting applications for only those projects that do not duplicate development of technologies currently being funded elsewhere within DOE's Industrial Technologies and Distributed Energy Programs. This is an excellent opportunity for innovative CHP projects in an industry that is facing major problems due to high energy costs.

Estimated total funds available are \$4,000,000, and DOE expects to make eight awards. Applications are due **January 25, 2006**.

Additional details are available at <http://www.fedgrants.gov/Applicants/DOE/PAM/HQ/DE-PS36-06GO96009/Grant.html>.

Save the Date - CHP/Bio-Energy for Landfills, Wastewater Treatment Facilities, Hospitals, Hotels, Universities, and Bio-Tech, January 18, 2006, Napa Valley, CA

For more information, preliminary agenda, and on-line registration, visit:
<http://www.energetics.com/napavalleyCHPworkshop/>

CHP Partnership Contact Information

U.S. Environmental Protection Agency

Fax: 202-343-2208

Web site: www.epa.gov/chp

[Kim Crossman](mailto:crossman.kim@epa.gov) (crossman.kim@epa.gov) 202-343-9388

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July 2005

WELCOME TO THE EPA COMBINED HEAT AND POWER PARTNERSHIP NEWSLETTER

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- [USDA Announces \\$200 Million in Guaranteed Loan Funds for Rural Renewable Energy and Energy Efficiency Projects](#)
- [Workshop on CHP and Bioenergy for Landfills and Wastewater Treatment Plants, August 11, 2005, Salt Lake City, Utah](#)
- [6th Annual World CHP/Decentralized Energy Conference and Workshop, October 25-27, 2005, New York City, New York](#)
- [EPA CHP Partnership ENERGY STAR® CHP Award and CHP Certificate of Recognition Submission Request!](#)

USDA Announces \$200 Million in Guaranteed Loan Funds for Rural Renewable Energy and Energy Efficiency Projects

USDA Rural Development announced on July 15 that up to an estimated \$200 million in guaranteed loan funds are now available to agriculture producers and rural small businesses for investments in renewable energy systems and energy efficiency improvements. The \$200 million (\$11.4 million in actual cost to the government) is part of the \$22.8 million announcement made in March 2005 by Agriculture Secretary Mike Johanns.

These funds will be available to support a wide range of technologies encompassing biomass (including anaerobic digesters), geothermal, hydrogen, solar, and wind energy, as well as energy efficiency improvements. CHP systems using agricultural opportunity fuels clearly are eligible for these grants.

The funds announced on July 15 will be set aside through August 31 for renewable energy and energy efficiency guaranteed loans. Final details on how to apply for these funds were published in the Federal Register on July 18, 2005. Any funds not obligated under the guarantee loan program by August 31, 2005, will be reallocated to the competitive grant program as of that date.

The press release is available at:

<http://www.usda.gov/wps/portal/usdahome?contentidonly=true&contentid=2005/07/0261.xml>.

The Federal Register notice is available at

<http://www.rurdev.usda.gov/rd/farbill/section9006rule.html>.

Workshop on CHP and Bioenergy for Landfills and Wastewater Treatment Plants, August 11, 2005, Salt Lake City, Utah

The Intermountain CHP Application Center is hosting a workshop on generating renewable energy and heat from wastewater treatment plants and landfills. Join Kim Crossman of the EPA CHP Partnership at this event where she will speak about CHP benefits and the unique benefits for wastewater treatment plants and landfills.

The workshop will present a step-by-step guide to designing and operating a project successfully. It will also discuss equipment options, fuel cleanup and conditioning, regulatory issues, and financial incentives. The workshop will include special considerations for small-to-medium plants/landfills and special considerations for landfills in areas with low precipitation.

The workshop is free for the first 25 landfill, wastewater treatment plant, or municipal employees and \$100 for all others.

The agenda, additional information on the workshop, and the registration form are available at: <http://www.intermountainchp.org/events/landfills/default.htm>.

If you have any questions or would like additional information on this event, please contact [Christine Brinker](mailto:cbrinker@swenergy.org) (cbrinker@swenergy.org) at 303-984-5630.

6th Annual World CHP/Decentralized Energy Conference and Workshop, October 25-27, 2005, New York City, New York

Registration is now open for "Small Power in the Big Apple," the 6th Annual World CHP/Decentralized Energy Conference and Workshop in New York City. This is an exciting opportunity to interact with other distributed generation (DG) professionals and grow your organization's market in both domestic and world-wide CHP and DG. Join the EPA CHP Partnership at this great event!

An added feature this year: Participate in the 6th Annual CHP Roadmap Workshop! See how far we in the United States have come in meeting the CHP Challenge of doubling CHP capacity by 2010, and create the CHP Action Agenda for 2006.

As a CHP and distributed energy professional, you should not miss this combined conference and workshop in the "city that never sleeps!"

Visit the conference/workshop Web site at <http://www.internationalchp-de.net/>.

EPA CHP Partnership ENERGY STAR® CHP Award and CHP Certificate of Recognition Submission Request!

The EPA CHP Partnership is holding a special ceremony for ENERGY STAR CHP Award and CHP Certificate of Recognition winners at the upcoming 6th Annual World CHP/Decentralized Energy Conference and Workshop in New York, NY, October 25-27, 2005.

This is a great opportunity to be recognized for your environmental leadership and commitment to excellent and efficient CHP design and deployment.

If you or one of your customers has a CHP system, we encourage you to submit an application for an Award or Certificate! Applications must be received by September 1, 2005 to be recognized at this event.

For more information and to download an application, please go to http://www.epa.gov/chp/awards_certificates.htm.

For application questions, please contact [Bob Sidner](mailto:bob.sidner@erg.com) (EPA Technical Contractor) (bob.sidner@erg.com).

To be recognized at this event, please submit all completed applications to:

Bob Sidner (EPA Technical Contractor)
ERG
14555 Avion Parkway, Suite 200
Chantilly, VA 20151
Fax: 703-263-7280
E-mail: bob.sidner@erg.com

CHP Partnership Contact Information

U.S. Environmental Protection Agency
Fax: 202-343-2208
Web site: www.epa.gov/chp
[Kim Crossman](mailto:crossman.kim@epa.gov) (crossman.kim@epa.gov) 202-343-9388
[Tom Frankiewicz](mailto:frankiewicz.thomas@epa.gov) (frankiewicz.thomas@epa.gov) 202-343-9794

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WELCOME TO THE EPA COMBINED HEAT AND POWER PARTNERSHIP NEWSLETTER

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\$4.3 Million to Be Awarded for Projects to Reduce Greenhouse Gas Emissions

The Climate Trust, a nonprofit organization, announced May 24 that it would begin accepting project proposals for \$4.3 million in funds it received from a Portland, Oregon-based utility under a state law to reduce greenhouse gas emissions. Funding is available for carbon offset projects that meet the following guidelines:

- **Additional.** The carbon dioxide emission reductions should be in addition to those that would likely to occur in the absence of offset project funding.
- **Future.** Project must be implemented after the awarding of carbon funding. The Climate Trust is not able to fund existing projects; however expansions of existing projects are eligible.
- **Quantifiable.** The carbon dioxide emissions benefit can be quantified and measured.

The Climate Trust is interested primarily in projects seeking more than \$1 million in carbon funding (total project costs can be greater), and cost effectiveness will be one of the primary factors used to evaluate project proposals. The Climate Trust expects to fund projects at a price of approximately \$5 per metric ton of carbon dioxide. The Climate Trust will be transacting for the ownership of carbon dioxide offsets through offset purchase agreement contracts.

The Climate Trust has no geographic constraint on the projects that can be funded and encourages applicants with projects based in Oregon to submit proposals.

There is a \$500 application fee for private companies and a \$250 fee for nonprofits and government entities for each submitted proposal. If projects are selected to enter into the Phase II process, additional fees will apply.

Phase I proposals are due August 24, 2005.

- For more information, visit http://www.climatetrust.org/solicitations_2005_RFP.php.
- For questions, contact [Ted Presberg](mailto:tpresberg@climatetrust.org) (tpresberg@climatetrust.org) at 503-238-1915.

2005 New Jersey CHP Incentive Scheduled to Launch June 15, 2005

Building on the success of its 2004 CHP incentive, the New Jersey Board of Public Utilities (BPU) Clean Energy Program will issue an incentive for CHP projects in 2005. **The BPU program launch is scheduled for June 15, 2005 with a 60-day application period.** Information is expected to be available on the New Jersey Clean Energy Program Web site (<http://www.njcleanenergy.com>) on or before June 15.

To be eligible for the incentive, projects must meet a minimum of 60 percent electrical and thermal efficiency, and applicants must be paying into the Societal Benefit Charge through natural gas or electricity purchased from a participating New Jersey-regulated utility. The 2004 program funded a total of 23 projects that will generate in excess of 8 MW of power with system efficiencies of 60 percent or greater.

In December 2004, the New Jersey BPU approved \$745 million in funding to advance its clean energy goals and the development of a vibrant renewable energy market in New Jersey. The funds will be allocated over the next 4 years through New Jersey's Clean Energy Program to support Energy Efficiency and Renewable Energy Programs, including CHP, that benefit all New Jersey ratepayers.

We encourage our Partners to visit the New Jersey Clean Energy Program Web site (<http://www.njcleanenergy.com>) for 2005 program guidelines and application information. This information is expected to be available on or before June 15, 2005.

2005 CHP Partner Project Data Reporting

Beginning this month, the CHP Partnership will be calling all Partners for the 2005 round of Project Data Reporting. We will have a streamlined method of collecting project data this year and will be providing Partners who report with a CHP Partner Greenhouse Gas Reduction Report. This report will be a full-color certificate that states the number of CHP projects for which the Partner has reported data to EPA, along with an estimate of the associated greenhouse gas emission reductions attributable to these projects.

To make the voluntary reporting process as easy as possible for Partners, we will email you a Project Data Reporting Spreadsheet that will be pre-populated with project data currently in our records (i.e., in those cases where a Partner has already provided the Partnership with project data). This spreadsheet is a tool that allows Partners to simply review and update information in the spreadsheet, add information about new projects, and return the spreadsheet to EPA.

You will receive a call from us this month to talk about the process further and to determine which reporting method you prefer. Please be assured that, where applicable, data confidentiality will be scrupulously provided for and carefully maintained. During this call, we would also like to talk to you about your current experiences with CHP, receive your feedback on the value of partnership with EPA, fill you in on new tools and services available through the Partnership, and discuss any ways we can be of assistance to you.

You are also welcome to contact Kim Crossman directly at 202-343-9388 to set an appointment for this call.

DG and CHP Performance Verification

The U.S. EPA Environmental Technology Verification ([ETV](#)) program's [Greenhouse Gas Center](#), operated by [Southern Research Institute](#), provides rigorous independent third-party performance verification of a wide variety of technologies that may result in energy efficiency, greenhouse gas reductions, or market acceptance of such beneficial technologies.

Verifications are performed on a cost-shared basis with vendors, state agencies, or prospective equipment/fleet owners. Southern Research, an independent not-for-profit research institute, is currently soliciting vendors for verification testing of distributed electrical generation technologies (i.e., turbines, microturbines, fuel cells, Stirling engines, or reciprocating engines), including combined heating/cooling and power applications (e.g., waste heat recovery for space heating, water heating, chillers/refrigeration, dehumidification) and enabling technologies (e.g., emission controls, fuel reformers, and off-spec fuel cleanup systems).

For more information, please contact [Richard Adamson](#) (adamson@sri.org), Southern Research Institute, Environment and Energy Department, at 919-806-3456 x 23.

To view example test plans and reports, visit <http://www.sri-rtp.com>.

FERC Issues Standard Rule For Small Generator Interconnection

The Federal Energy Regulatory Commission has issued standard procedures for the interconnection of generators no larger than 20 megawatts. In light of the importance of the rulemaking, the Commission has designated it as Order No. 2006. This rule is intended to move the country "a step closer to truly non-discriminatory, competitive bulk power markets," help preserve grid reliability, increase energy supply, and lower wholesale electric costs.

The rule applies only to interconnections with facilities already subject to the jurisdiction of the Commission; the Commission emphasized that it does not apply to local distribution facilities. This rule complements the final rule the Commission issued in July 2003 for facilities larger than 20 megawatts (Order No. 2003).

The rule directs public utilities to amend their Order No. 888 open access transmission tariffs to offer non-discriminatory, standardized interconnection service for small generators. The amendments should include a Small Generator Interconnection Procedures (SGIP) document and a Small Generator Interconnection Agreement (SGIA). The SGIP contains the technical procedures that the small generator and utility must follow in the course of connecting the generator with the utility's lines. The SGIA contains the contractual provisions for the interconnection and spells out who pays for improvements to the utility's electric system, if needed to complete the interconnection.

The final rule, Standardization of Small Generator Interconnection Agreements and Procedures, is effective 60 days after its publication in the Federal Register. Regional transmission organizations (RTOs) and independent system operators (ISOs) have an additional 90 days to comply.

A press release announcing the order is available at <http://www.ferc.gov/press-room/pr-current/05-12-05.asp>.

A complete copy of the rule is available through <http://elibrary.ferc.gov/idmws/search/fercadvsearch.asp> (search on Docket # RM02-12, subdocket # 000).

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If you or one of your customers has a CHP system, we encourage you to submit an application for an Award or Certificate! Applications must be received by **September 1, 2005** to be recognized at this event.

For more information and to download an application, please go to http://www.epa.gov/chp/awards_certificates.htm. For application questions, please contact [Bob Sidner](mailto:bob.sidner@erg.com) (bob.sidner@erg.com) (EPA Technical Contractor). To be recognized at this event, please submit all completed applications to:

Bob Sidner (EPA Technical Contractor)
ERG
14555 Avion Parkway, Suite 200
Chantilly, VA 20151
Fax: 703-263-7280
E-mail: bob.sidner@erg.com

Departure from EPA CHP Partnership Team

The EPA CHP Partnership regrettably announces the departure of a founding member and CHP enthusiast, Luis Troche. Luis has been with the CHP Partnership for more than 5 years since its inception and has been instrumental in the creation of the CHP Partnership and in the promotion and facilitation of CHP across the country. Luis also managed the ENERGY STAR® CHP Award and CHP Certification of Recognition process allowing the Partnership to recognize you for your great CHP projects. Luis will be joining EPA's Office of International Affairs. We thank Luis for his dedication, spirit, and great work, and wish him all the best at his new position.

Preliminary Request for Resumes

The EPA CHP Partnership is accepting resumes for a Clean Energy Outreach Specialist. The position is described below. Please pass this notice on to interested colleagues.

Clean Energy Outreach Specialist

Washington, DC

The U.S. Environmental Protection Agency (EPA)'s Climate Protection Partnerships Division has an exciting and rewarding opportunity to work as part of its Energy Supply & Industry Branch in the Washington, DC area. EPA has the need for a well-rounded individual with experience in industrial and commercial on-site energy generation, including combined heat and power. The incumbent will be responsible for promoting combined heat and power and other clean, on-site generation systems to targeted companies as well as state and federal policymakers. Interested

candidates should be enthusiastic, organized self-starters; experience in sales or outreach is a plus. Incumbent will be a member of the Combined Heat and Power Partnership team.

EPA works in partnership with businesses and organizations throughout the country to reduce greenhouse gases that contribute to global climate change by promoting greater use of clean energy and other cost-effective technologies and practices. The incumbent must be a strong writer and speaker capable of communicating effectively with a variety of audiences and converting complex information into easy-to-understand messages for outreach. The incumbent must also possess strong, demonstrated analytical and interpersonal skills.

EPA offers a competitive total rewards program with opportunities for growth and development. EPA is an Equal Opportunity Employer. Selection for this position will be based solely on merit without regard to race, color, religion, age, gender, national origin, political affiliation, disability, sexual orientation, marital or family status or any other non-merit factors. Applicant must be a U.S. Citizen.

This is not an official job application process, but a solicitation for resumes. The job will be announced through EPA's EZ hire employment system in the future.

Salary Range: \$48,451 - 75,492

NO PHONE CALLS PLEASE

Contact Information: [Patricia Younger](mailto:younger.patricia@epa.gov) (younger.patricia@epa.gov)

CHP Partnership Contact Information

U.S. Environmental Protection Agency

Fax: 202-343-2208

Web site: www.epa.gov/chp

[Kim Crossman](mailto:crossman.kim@epa.gov) (crossman.kim@epa.gov) 202-343-9388

[Tom Frankiewicz](mailto:frankiewicz.thomas@epa.gov) (frankiewicz.thomas@epa.gov) 202-343-9794

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EPA and DOE Present ENERGY STAR CHP Awards and CHP Certificates of Recognition at the IDEA Campus Energy Conference, March 10, 2005

EPA and DOE presented ENERGY STAR CHP Awards and CHP Certificates of Recognition on March 10, 2005 in Washington, D.C. at the International District Energy Association Campus Energy Conference to six organizations for their exemplary CHP projects. Mr. James L. Connaughton, Chairman of the White House Council on Environmental Quality (CEQ), delivered the keynote luncheon address and joined EPA and DOE to present the Awards and Certificates. Mr. Connaughton serves as the senior environmental and natural resources advisor to the President and is Director of the White House Office of Environmental Policy.

ENERGY STAR CHP Award Winners:

- The Weyerhaeuser Albany Containerboard Mill
- California Institute of Technology

CHP Certificate of Recognition Winners:

- NiSource Energy Technologies' Projects: The Vestil Manufacturing CHP project; The Utilimaster CHP project; The Manchester Tank CHP project
- General Services Administration Federal Research Center - White Oak Central Utility Plan
- The Department of Veterans Affairs' La Jolla Medical Center CHP project
- Johnson & Johnson San Diego

For more information about these CHP projects, visit the EPA CHP Partnership [2004](#) and [2005](#) Award and Certificate pages.

EPA Issues Two Proposed Rules and Invites Comments

EPA has issued two proposed rules relevant to CHP Projects and invites comments. These proposed changes are to the New Source Performance Standards (NSPS) and include provisions for output-based standards. We encourage the CHP community to take this opportunity to review and comment on the rules.

The proposed rules are available at:

EPA EDOCKET

[Dockets Open for Comment](#)

Docket numbers:

OAR-2004-0490

Standards of Performance for Stationary Gas Turbines

Comments are due **April 18th.**

OAR-2005-0031

Standards of Performance for Electric Utility Steam Generating Units for Which Construction is Commenced After September 18, 1978; Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units

Comments are due **April 29th.**

USCHPA Policy Day, May 3-5, 2005, Washington, DC

The 6th annual USCHPA Policy Day will be held in Washington, DC, May 3-5, 2005. This event is a great opportunity to gain a deeper understanding of the policy-drivers affecting CHP, to engage in direct dialogue with the decision-makers driving those policies, and network with other CHP proponents.

For more information and to register on line, visit www.uschpa.org. Please note that the early bird registration discount and the Madison Hotel room block expires on April 12, 2005.

If you have questions, contact [John W. Jimison](mailto:uschpa-hq@admgt.com) (uschpa-hq@admgt.com), USCHPA Executive Director, at (202) 544-4565.

Environmental Issues for Energy Generation in the Non-Utility Sector, April 4-5, 2005, Arlington, Virginia

Do you work for an industrial or manufacturing facility that produces its own energy? A college or university? Or a local power company? If so, mark your calendar for the upcoming conference, "Environmental Issues for Energy Generation in the Non-Utility Sector." The conference will be held April 4-5, 2005, at the Doubletree Hotel at Crystal City, Arlington, Virginia—just minutes from Washington, D.C., and Ronald Reagan National Airport.

Topics will include:

- Implications of Title V and NSR reforms on industrial energy

- Attainment planning for ozone and PM2.5
- Implementation of Boiler MACT and residual risk
- Control technology research and advancements
- From wastewater treatment to energy: Using biogases for energy
- Integrated gasification systems and their place in non-utility energy

Advanced registration for A&WMA members is just \$395 until March 25!

For more information, download the preliminary program at <http://www.awma.org/events/confs/energy/energy.pdf>.

EPA CHP Partnership Web Site Redesigned

The EPA CHP Partnership is pleased to provide our Partners with a new, redesigned Web site, www.epa.gov/chp, containing additional tools and information to support your CHP needs.

New features include:

- Listing of current CHP funding opportunities
- Step-by-step guide through the CHP project development process for energy users
- Additional public recognition and communication opportunities
- Current and past CHP Partner newsletters
- Please check the Web site frequently as new and updated information is added regularly.

CHP Position Announcement, University of Maryland

Title:

Faculty Research Assistant

Purpose of Position:

Support Mid-Atlantic Combined Heat & Power (CHP) Application Center (MAAC), the Industrial Energy Efficiency Programs, and experimental research programs in the Center for Environmental Energy Engineering (CEEE)

Responsibilities:

MAAC and the industrial efficiency programs are outreach efforts that provide support to a wide range of commercial and industrial firms. The selected individual will:

- Provide analytical support for CHP feasibility assessments and related studies and respond to other requests for assistance on CHP projects.
- Assist in energy audits of industrial facilities.

- Conduct research on new CHP and related technologies that pertain to energy efficiency that are being introduced to the market.
- Support additional research projects conducted by the CEEE that relate to the CHP program such as a fuel cell test program.
- Prepare engineering case studies and project profiles for successful CHP projects.
- Maintain and expand MAAC's Web site.
- Represent MAAC and the CEEE at conferences and industry meetings.

Note that all of these programs are evolving and the scope of work for this position will change accordingly.

Qualifications:

The ideal candidate will have a Bachelor's degree in Mechanical Engineering and 2 – 5 yrs of experience in the field of CHP, energy efficiency improvement, or related areas. A basic understanding of CHP and energy efficiency improvement methods and the technologies used in these fields is essential.

Salary:

Commensurate with qualifications and experience.

To Apply:

Position will remain open until filled. For full consideration, submit a cover letter, a signed and dated resume, a technical writing sample, and names and telephone numbers of three references to dmoran@umd.edu.

The University of Maryland is an equal opportunity affirmative action employer. Women and minorities are especially encouraged to apply.

CHP Partnership Contact Information

U.S. Environmental Protection Agency

Fax: 202-343-2208

Web site: www.epa.gov/chp

[Kim Crossman](mailto:crossman.kim@epa.gov) (crossman.kim@epa.gov) 202-343-9388

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February 2005

WELCOME TO THE EPA COMBINED HEAT AND POWER PARTNERSHIP NEWSLETTER

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- [EPA and NARUC Announce Energy Efficiency and Renewable Energy Projects with Six States](#)
- [EPA Announces Clean Energy-Environment State Partnership Program](#)
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- [18th Annual IDEA Campus Energy Conference, March 9-11, 2005](#)
- [Waste Heat to Power Generation Workshop, March 2, 2005, Irvine, California](#)

New Jersey to Issue 2005 CHP Incentive

Building on the success of their 2004 CHP incentive, the New Jersey Board of Public Utilities (BPU) Clean Energy Program will issue an incentive for CHP projects in 2005. The BPU is targeting a mid-spring program announcement and 60-day application period. To be eligible for incentive, projects must meet a minimum of 60 percent electrical and thermal efficiency, and applicants must be paying into the Societal Benefit Charge through natural gas or electricity purchased from a participating New Jersey-regulated utility. The 2004 program funded a total of 23 projects that will generate in excess of 8 MW of power with system efficiencies of 60% or greater.

In December 2004, the New Jersey Board of Public Utilities approved \$745 million in funding to advance its clean energy goals and the development of a vibrant renewable energy market in New Jersey. The funds will be allocated over the next four years through New Jersey's Clean Energy Program to support Energy Efficiency & Renewable Energy Programs, including CHP, that benefit all New Jersey ratepayers.

The allocation amount for 2005 projects, program guidelines, and application form are under development and will be available in on the NJ Clean Energy Program Web site (<http://www.njcleanenergy.com/>)

EPA and NARUC Announce Energy Efficiency and Renewable Energy Projects with Six States

On February 16, 2005, EPA and the National Association of Regulatory Utility Commissioners (NARUC) announced the formation of EPA-State Energy Efficiency and Renewable Energy (EERE) Projects between EPA and utility regulators from six states. These projects involve state utility regulators working with EPA to explore approaches for reducing the cost of consumer electric and gas bills through cost-effective energy efficiency, renewable energy, and clean distributed generation.

The six states involved in the initiative are Arkansas, Connecticut, the District of Columbia, Hawaii, Minnesota, and New Mexico. Through the EERE Projects, EPA and the states will explore policies and programs for delivering more energy efficiency to electric and gas customers. The initiative will also explore opportunities for CHP and renewable energy to contribute to a lower cost, cleaner power system.

The EPA-State EERE Projects were announced at NARUC's 2005 Winter Meetings held in Washington, DC, during a joint session of the Electricity and Energy Resources and the Environment Committees.

For more information, visit www.epa.gov/cleanenergy.

EPA Announces Clean Energy-Environment State Partnership Program

On February 18, 2005, EPA announced the creation of the Clean Energy-Environment State Partnership Program. This Program will help states develop and implement goals and a robust plan for using existing and new energy policies and programs to improve air quality, decrease energy use, reduce greenhouse gas emissions, and enhance economic development. Charter Partners are California, Connecticut, Georgia, Minnesota, New Jersey, New Mexico, New York, Ohio, Pennsylvania and Texas.

Partner States will work across relevant agencies to develop a comprehensive state-specific Clean Energy-Environment State Action Plan. This Plan is the cornerstone of the Program that will further the goal of achieving balanced, economically sensible environmental and energy policies and activities that promote energy efficiency, clean distributed generation, and renewable energy in the pursuit of state-determined environmental and economic goals.

For more information, visit www.epa.gov/cleanenergy.

USCHPA Policy Day, May 3-5, 2005, Washington, DC

The 6th annual USCHPA Policy Day will be held in Washington, DC, May 3-5. This event is a great opportunity to meet U.S. DOE and EPA leadership as well as Capital Hill policymakers, learn about key issues and initiatives, and network with other CHP proponents.

For more information and to register online, visit www.uschpa.org.

If you have questions, contact John W. Jimison, USCHPA Executive Director, at (202) 544-4565 or uschpa-hq@admgt.com.

EPA CHP Partnership End-User Training, May 4, 2005, Washington, DC

The CHP Partnership will hold a half-day targeted training for energy end-users on May 4, 2005, in Washington, DC. End-user CHP Partners who are considering implementing projects at their facilities to meet their economic and environmental goals are invited to participate. This training will provide information on managing and streamlining the project development process, identifying resources, and quantifying the environmental benefits of CHP. It will be held in conjunction with the Climate Leaders Partner Meeting.

Climate Leaders is a voluntary industry-government partnership that encourages companies to develop long-term comprehensive climate change strategies and set greenhouse gas (GHG)

emissions reduction goals. For more information on Climate Leaders, visit www.epa.gov/climateleaders/.

18th Annual IDEA Campus Energy Conference, March 9-11, 2005

The annual IDEA Campus Energy Conference is geared specifically to the needs of the people responsible for the operation of district energy systems in a campus or institutional environment. The conference provides educational sessions and networking opportunities to discuss issues specific to campus district energy systems. Tabletop exhibits offer attendees the opportunity to meet with vendors and suppliers showing the newest technologies available to the industry.

The EPA CHP Partnership and the International District Energy Association (IDEA) are holding a special Awards Luncheon for ENERGY STAR CHP Award and CHP Certificate of Recognition winners at the upcoming IDEA 18th Annual Campus Energy Conference in Washington, DC, in March 2005.

James L. Connaughton, Chairman of the White House Council on Environmental Quality (CEQ), will provide the keynote address and present the Awards and Certificates. Mr. Connaughton serves as the senior environmental and natural resources advisor to the President and is Director of the White House Office of Environmental Policy, which oversees the development of environmental policy, coordinates interagency implementation of environmental programs, and mediates key policy disagreements among Federal agencies, state, tribal and local governments, and private citizens.

For more information, please contact IDEA at (508) 366-9339 or idea@districtenergy.org or visit www.districtenergy.org.

Waste Heat to Power Generation Workshop, March 2, 2005, Irvine, California

The Northwest and Pacific CHP Regional Application Centers invite you to attend a one-day workshop on Waste Heat to Power Generation. The workshop is being held on the University of California-Irvine campus on March 2, 2005. The workshop is designed to meet the needs of potential waste heat to power project developers, industrial facility managers interested in waste heat recovery, utilities, regulators, and consultants to the industry.

For additional information on the workshop, please contact [Dr. R. Gordon Bloomquist](mailto:Dr.R.GordonBloomquist@energy.wsu.edu) (bloomquistr@energy.wsu.edu) or [Vince McDonnell](mailto:VinceMcDonnell@aep.uci.edu) (mcdonell@aep.uci.edu). Information is also available at <http://www.chpcenternw.org>.

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January 2005

WELCOME TO THE EPA COMBINED HEAT AND POWER PARTNERSHIP NEWSLETTER

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- [EPA CHP Partnership ENERGY STAR CHP Award and CHP Certificate of Recognition Submission Request!](#)
- [18th Annual IDEA Campus Energy Conference, March 9-11, 2005](#)
- [Do You Know about the FERC Enforcement Hotline?](#)
- [Waste Heat to Power Generation Workshop, March 2, 2005, Irvine, California](#)
- [Second Annual Advanced Stationary Reciprocating Engines Conference, March 15-16, 2005, Diamond Bar, California](#)

Workshop on Opportunity Fuels and CHP for the Food and Beverage Processing Industries, January 27, 2005, Syracuse, New York

This one-day workshop focuses on identifying feasible combined heat and power (CHP) opportunities and exploring alternative fuels, such as methane from anaerobic biodigesters, among Northeast food and beverage processor end-users. Attendees will receive tools to evaluate the fit of CHP at their plant, learn about financing programs, and hear from companies that have successfully implemented CHP at their plants. This workshop is sponsored by NYSERDA, the Northeast CHP Application Center, U.S.CHPA, Northeast-Midwest Institute, the U.S. Department of Energy, and the U.S. Environmental Protection Agency.

For more information and to register, visit <http://www.nyserda.org/events.asp>.

EPA CHP Partnership ENERGY STAR CHP Award and CHP Certificate of Recognition Submission Request!

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James L. Connaughton, Chairman of the White House Council on Environmental Quality (CEQ), will provide the keynote address and present the Awards and Certificates. Mr. Connaughton serves as the senior environmental and natural resources advisor to the President and is Director of the White House Office of Environmental Policy, which oversees the development of environmental policy, coordinates interagency implementation of environmental programs, and mediates key policy disagreements among Federal agencies, state, tribal and local governments, and private citizens.

This is a great opportunity to be recognized for your environmental leadership and commitment to excellent and efficient campus energy design.

If you have a district energy CHP system, or if one of your customers does, we encourage you to submit an application for an Award or Certificate! Applications must be received by **February 1, 2005** to be recognized at this event.

For more information and to download an application, please go to http://www.epa.gov/chp/awards_certificates.htm. For application questions, please contact [Bob Sidner](mailto:bob.sidner@erg.com) (EPA Technical Contractor) (bob.sidner@erg.com). To be recognized at this event, please submit all completed applications to:

Bob Sidner (EPA Technical Contractor)
ERG
14555 Avion Parkway, Suite 200
Chantilly, VA 20151
Fax: 703-263-7280
E-mail: bob.sidner@erg.com

18th Annual IDEA Campus Energy Conference, March 9-11, 2005

The annual IDEA Campus Energy Conference is geared specifically to the needs of the people responsible for the operation of district energy systems in a campus or institutional environment. The conference provides educational sessions and networking opportunities to discuss issues specific to campus district energy systems. Tabletop exhibits offer attendees the opportunity to meet with vendors and suppliers showing the newest technologies available to the industry.

To view the Preliminary Conference Program, which features excellent technical presentations, insightful panel discussions, valuable site tour, and extensive networking programs in an inspirational, collegial atmosphere, visit <http://www.districtenergy.org/pdfs/05CampProgram.pdf>.

For more information, please contact [IDEA](mailto:idea@districtenergy.org) at (idea@districtenergy.org) or visit <http://www.districtenergy.org>.

Do You Know about the FERC Enforcement Hotline?

The Federal Energy Regulatory Commission (FERC) Office of Market Oversight and Investigations maintains an Enforcement Hotline for electric and gas market participants, as well as the public, to report market activities or transactions that may be an abuse of market power, an abuse of an affiliate relationship, a tariff violation, or another possible violation by a FERC-regulated entity.

The Enforcement Hotline is 888-889-8030 or hotline@ferc.gov.

Past Hotline calls have included complaints about:

- Bidding anomalies
- Price spikes
- Inappropriate use of certain financial instruments
- Fluctuations in available capacity on electric transmission lines and natural gas pipelines
- Interconnection discrimination
- Improper market affiliate transactions

Keep in mind that the Hotline cannot provide help regarding issues in docketed or contested Commission proceedings.

For more information on this Hotline, visit <http://www.ferc.gov/cust-protect/enforce-hot.asp>.

Waste Heat to Power Generation Workshop, March 2, 2005, Irvine, California

The Northwest and Pacific CHP Regional Application Centers invite you to attend a one-day workshop on Waste Heat to Power Generation. The workshop is being held on the University of California Irvine campus on March 2, 2005. The workshop is designed to meet the needs of potential waste heat to power project developers, industrial facility managers interested in waste heat recovery, utilities, regulators, and consultants to the industry.

For additional information on the workshop, please contact [Dr. R. Gordon Bloomquist](mailto:bloomquistr@energy.wsu.edu) (bloomquistr@energy.wsu.edu) or [Vince McDonell](mailto:mcdonell@apep.uci.edu) (mcdonell@apep.uci.edu). Information is also available at <http://www.chpcenternw.org>.

Second Annual Advanced Stationary Reciprocating Engines Conference, March 15-16, 2005, Diamond Bar, California

The 2nd Annual Advanced Stationary Reciprocating Engines Conference, Moving Forward in Low-Emissions and High-Efficiency Technologies, will be held at the Southcoast Air Quality Management District Headquarters in Diamond Bar, California. The purpose of the conference is to share information on technological advancements in stationary reciprocating internal combustion engines meeting the performance targets of low emissions, high efficiency, low cost, and long durability/reliability.

Presentations will include information on: R&D programs and projects; technology status; limitations/barriers to reach performance goals; and applications of advanced stationary reciprocating internal combustion engines.

For more information and to register, visit <http://www.energetics.com/recips05.html>.

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