



U.S. Department of Energy

OAK RIDGE NATIONAL LABORATORY

# CHP Subcontractors Coordination Review Meeting



**April 14, 2005**  
Energetics, Inc.  
901 D. Street, SW  
Suite 100  
Washington, DC



- Title - "*CHP Awareness and Barrier-Busting Technical Assistance to Facilitate Implementation of CHP in the District Energy Sector*"
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# Description of Task(s)

## **1. Disseminate Technical Industry Information**

- *To support commercial/institutional market*
- *Create searchable data base - "Body of Knowledge" from 12 years of Conference Proceedings*
- *Promote & distribute IEA Reports to US audience*

## **2. Provide Technical & Executive Support for Project Development**

- *Draw from top 25 candidates from Phase III for Campus/Urban Systems considering CHP*
- *Perform at least three (3) site visits; analyses and reports*

# Description of Task(s)

## **3. *Technical Support for 18<sup>th</sup> Annual IDEA Campus Energy Conference***

- *Plan & implement campus CHP track*
- *Exhibit booth for DOE/USCHPA*
- *Tech tours of Univ Maryland CHP*
- *Develop, post, promote and disseminate program*

## **4. *LEED Analysis for District Energy/CHP***

- *Uncover inequities/disincentives in standards for DE/CHP – submit comments accordingly*
- *Develop case studies of Campus LEED*
- *Analyze LEED for new construction and renovations*
- *Provide comments on Campus Application Guide*

# Description of Progress Against Task(s)

## **1. Disseminate Technical Industry Information**

- *Complete and operational*
- *Searchable data base with over 900 technical papers downloadable*
- *IEA reports inventoried, posted with on-line order form. Ship requests regularly.*

## **2. Provide Technical & Executive Support for Project Development**

- *Underway – updating prospects list from Campus*
- *Scheduling site visits. Assessing urgency.*
- *No real barriers. Plenty of interested prospects. Prioritizing needs and audiences.*

# Description of Progress Against Task(s)

## **3. *Technical Support for 18<sup>th</sup> Annual IDEA Campus Energy Conference***

- *Very successful conference March 8-11. Over 320 registrants. Sold out all exhibits. Over 30 presentations.*
- *Two track Workshops: Environmental Strategies; How To Build CHP on Campus – Proceedings on CD in production.*
- *Hosted EPA DOE CHP Partner Awards – James Connaughton, Chairman White House Council on Environmental Quality*
- *Six (6) tech tours - Univ Maryland CHP; NIH; White Oak; GSA; DC Conv Ctr; National Airport – multiple technologies; structures*

## **4. *LEED Analysis for District Energy/CHP***

- *Reviewed LEED ASHRAE 90.1 cost budgeting methodology*
- *Met with USGBC to present merits of district services*
- *Submitted written comments on LEED – EB Standard*
- *Developing case studies of Campus LEED*
- *Preparing comments on new construction and major renovations standards*
- *Developing comments on Campus Application Guide*

# FY04 Deliverables and Availability

## **1. Disseminate Technical Industry Information**

- *Over 900 technical papers available on-line*
- *Distributing IEA technical guides regularly. Inventory and order form on-line.*

## **2. Provide Technical & Executive Support for Project Development**

- *Developing priority prospects and schedule*
- *Scheduling site visits and reporting*
- *Expect Executive Briefings; Trustees meetings*

# FY04 Deliverables and Availability

## **3. *Technical Support for 18<sup>th</sup> Annual IDEA Campus Energy Conference***

- *Completed full task and all deliverables.*
- *Report on line – [www.districtenergy.org](http://www.districtenergy.org)*

## **4. *LEED Analysis for District Energy/CHP***

- *Task 1 completed – Submitted comments in 2<sup>nd</sup> public comment period*
- *Task 2 completed – Analyzed/commented on 90.1*
- *Task 3 underway – Campus LEED case studies*
- *Task 4 underway – Comments on New Construction*
- *Task 5 underway – Comments on Campus Guide*

# Coordination with Stakeholder Groups and Other Project Teams

- Invited EPA; DOE; Mid-Atlantic RAC and RAC Leader to present at IDEA Campus
- USCHPA invited to address Campus luncheon audience; exhibit booth
- Offering:
  - Campus Success stories; CHP Champions
  - Innovations (Project financing; Real time control optimization)
- Campus Conference, Feb 2006 – University of New Mexico, Albuquerque

# Coordination with Stakeholder Groups and Other Project Teams

- IDEA 96<sup>th</sup> Annual Conference and Trade Show – June 26-29, 2005 St. Paul, MN  
*“Think Globally, Invest Locally; Recycle Energy”*
- District Energy St. Paul is host
- Cool Solutions presenting TES Survey Results
- Austin Energy/Domain project featured
- Synergy with EPA CHP Partner Awards
- Alliance with APPA & APPA Institute

# FY 04 and 05

## Timeline Deliverables

- Disseminate Tech Info
- Perform Project Tech Support
- Technical Support of Campus Energy Conference
- Analyze and Advocate Changes to LEED for District Energy/CHP

## Availability

- Jan 05
- Mar – July 05
- Oct 04 – Mar 05
- Aug 04 – Aug 05

# Questions?



## Thank You