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About Us

The **U.S. DOE Intermountain Clean Energy Application Center** encourages greater adoption of recycled energy, including combined heat and power (CHP), district energy, and waste heat recovery. We work in Arizona, Colorado, New Mexico, Utah, and Wyoming.

The Center provides free technical/economic feasibility screenings for businesses evaluating recycled energy, in addition to education and outreach for businesses, policy makers, and regulators.



Please forward this newsletter to anyone who may be interested. Thank you!

New National Project Profile Search Tool

Recycled energy is growing in the U.S. thanks to word of mouth about successful applications in each market sector. We are glad to help spread the word on successful projects with the launch of a new national search tool for recycled energy project profiles, live on our website at www.intermountaincleanenergy.org/profiles.

You can search for project profiles by market sector, state, technology type, system size (MW), fuel type, thermal energy use, year installed, or any combination. The database contains nearly 150 project profiles and counting, all put together by the eight U.S. DOE Regional Clean Energy Application Center. Each project profile, typically 2 pages in length, contains a project's site description, technical details, reasons for installing recycled energy, unique aspects, results to date, lessons to share, and more. Thanks go out to US DOE Energy Efficiency and Renewable Energy (EERE) for sponsoring the search tool.

The project profiles are ideal for showing other businesses within each market sector the benefits of recycled energy, or for educating policymakers about the economic and job creation effects of clean energy in local districts.

Don't Miss Out: \$700-800 per kW Incentives for CHP in Arizona

Arizona currently has some of the best incentives for recycled energy projects in the country, thanks to a combination of a \$400-500/kW energy efficiency incentive from Southwest Gas and an additional \$300/kW in stimulus funding from the Recovery Act. The Recovery Act funds will expire in 2012 (or possibly sooner), so we encourage all interested parties to take advantage of these funds while you can.

Contact Southwest Gas Key Account Management at 602-395-4058 for more information. And, **contact us** for a free technical/economic feasibility analysis of CHP at your facility.

A New Round of REAP Grants for CHP and Waste Heat

The USDA's Rural Energy for America Program (REAP, Section 9007) has opened up **a new round of grants** to support renewable energy and energy efficiency in rural areas and/or for rural small businesses (including electric cooperatives). Recycled energy qualifies for the grants in several ways:

- Renewable-fueled CHP (for instance, fueled by animal waste using an anaerobic digester) qualifies as renewable energy

- Natural gas-fueled CHP qualifies as energy efficiency
- Waste heat recovery qualifies as energy efficiency

These competitively-awarded grants can cover up to 25% of total eligible project costs, and are limited to \$500,000 for renewable energy systems and \$250,000 for energy efficiency improvements.

We strongly encourage all potential CHP projects in rural areas to apply for this funding. We are able to help review the technical information for grant applicants prior to submittal. **Contact Us.**

White House Energy Plan Recognizes CHP

The White House's **Blueprint for a Secure Energy Future** includes combined heat and power and waste heat recovery in its vision to attain cleaner and more secure energy resources (pgs 30 and 36). The report advocates doubling the nation's domestic clean energy sources, including CHP and WHR, over the next 25 years as part of an overall strategy to achieve independence from foreign oil. It also cites CHP and WHR as vehicles toward reducing electricity rates for consumers, and acknowledges the **U.S. DOE's Industrial Technologies Program** and the **U.S. DOE Clean Energy Application Centers** (p. 28) for their work in encouraging recycled energy.

Utah's New 10-Year Energy Plan Includes Waste Heat Recovery

Nine months of collaboration between Utah's energy-related public officials, industry leaders, advocacy groups and citizens culminated in a **new 10-year energy plan**, released in March by the Governor's Office.

The plan identifies a number of industrial energy efficiency improvement strategies, including "Increas[ing] efforts to pursue energy-efficiency opportunities that involve recovering wasted energy to generate power. These opportunities could be evaluated for capturing energy otherwise unused in industrial processes."

The U.S. DOE Intermountain Clean Energy Application Center is pleased to see recycled energy included in the plan, given its large (and largely untapped) potential for clean, emission-free power, jobs-creation, and cost reductions for the Utah industrial sector.

The plan includes other worthwhile industrial energy efficiency efforts including increased technical assistance, leveraging workforce training programs, beefing up utility energy efficiency programs aimed at the industrial sector, creating a no/low-interest loan program for industrial efficiency improvements, and various tax incentives.

Utah Announces New Office of Energy Development and Director

Samantha Mary Julian, an energy expert with vast experience in business management, will become the Director of Utah's Energy Office, housed in the Utah Department of Environmental Quality (DEQ). This position is appointed by and managed by the Governor's Energy Advisor, and created by the 2011 Legislature. Julian moves to the new role from Governor's

Office of Economic and Development (GOED) where as the Director of Energy and Natural Resources Cluster she worked to promote Utah's energy resources, technology, renewable energy and energy efficiency throughout the state. "It is exciting for me to be able to push Utah forward with the Governor's energy plan to success that continues to promote Utah's energy resources and create jobs," she said. **Read the full press release** (click on the "News" tab).

The U.S. DOE Intermountain Clean Energy Application Center recently met with Julian to discuss the opportunities for CHP in Utah, and congratulates her for her new role.

As always, the U.S. DOE Intermountain Clean Energy Application Center is available to answer any of your questions or provide various types of CHP project assistance, all as part of our mission to advance clean energy and recycled energy in Arizona, Colorado, New Mexico, Utah, and Wyoming. Let us know if we can help.
Sincerely,

U.S. DOE Intermountain Clean Energy Application Center

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Visit us at www.intermountaincleanenergy.org

University of Utah Installs New Recycled Energy System



Recycled Energy Project Showcase

Improved sustainability, reduced greenhouse gas emissions, and cost savings drove the University of Utah, an urban campus in Salt Lake City, to install a new recycled energy system in 2008. The system provides 10% of the lower campus' electric load, and the waste heat provides 100% of the thermal load, all at high efficiency and a lower cost than separate heat and power. (Photo used with permission.) **Read more in the full 2-page Project Profile.**