



RETA BREEZE



CRES Program Ready to Launch!

This October RETA will launch its Certified Refrigeration Energy Specialist (CRES) program.

As with CARO and CIRO, CRES will give refrigeration operators an opportunity to further their professional development and education, as well as increase their value to the companies they work for.

Don Sturtevant, Corporate Energy Manager with J.R. Simplot remarked, "Being a RETA CRES says 'I'm a certified practitioner in this area. I care about safety, I care about the environment, but I also care about energy efficiency and the bottom line.'" Jon Smock, Boiler Compressor Supervisor and Energy Champion with J.R. Simplot added, "I look for RETA-certified people when I go to hire. So, anybody with a RETA CRES...I

will recruit them hard." Smock is applying to become a CRES himself.

CRES applicants must pass a formal exam...but CRES has a second key requirement...applicants must complete and formally document five energy efficiency activities in an industrial refrigeration facility. These documented activities concretely demonstrate to RETA that applicants have the knowledge and capabilities to improve energy efficiency and manage energy costs while maintaining productivity, product quality, safety, and reliability. Once CRES-certified, operators must complete six additional activities every three years to renew their certification, as well as accrue twelve PDH.

Dan Flick, Plant Manager of Trident Seafoods and Puget Sound Chapter chair commented, "CRES gives you the tools to actually understand what to do as far as energy management or energy savings."

Thanks to the hard work of RETA's Certification Committee, CRES applicants will be able to sit for their CRES exam at the 2013 RETA national Conference in Bellevue, WA, October 30 through November 2, or at test sites throughout the country starting October 30 (<http://www.reta.com/pages/testing-locations>).

RETA's newest website feature ...



... online Conference registration

Visit the RETA website at www.reta.com or

http://www.reta.com/conference_form/show

On October 28 and 29 before the start of the national Conference, CRES applicants can take a two-day CRES Review Course reviewing all the topics that are a part of the CRES examination. To register for the CRES Review Course and the 2013

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LINKED IN – A VALUABLE CONNECTION

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line. Then the liquid level in the receiver reached the satisfaction, setting on the float operated switch assembly. The switch sent power to the king solenoid valve which opens suddenly. The rush of liquid down the line caused the banging I heard – the pipe shook as well.

I consulted with the operator about this situation. On investigation, it was found that the recirculator package was operating at a 40 percent setting with a five percent deadband. At 40 percent set point, there was this repeating starve and fill action setting up. The operator chose to lower the control set point from 40 percent to 30 percent. It took about an hour to see the results of this change. The 30 percent operating level was sufficient for the operation of the vessel. There was no cavitation of the ammonia pumps at this new setting.

The open/close cycling of the minimum level switch on the high pressure receiver came to an end. There was no more hammering taking place. This was seen in the first hour after re-setting the working level in the recirculator. What was not expected was that the evaporators started to emit colder air. The

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RETA national Conference go to www.reta.com/pages/registration-materials.

RETA is preparing the CRES exam registration and supplement packets, and will post them on their website in September. For the activity requirements, CRES applicants may request information and documentation forms at RETACRES@NEEA.org. In October, an electronic database for CRES activity documentation will be rolled out.

RETA has been partnering with the Northwest Energy Efficiency Alliance (NEEA) to develop CRES over the past several years. The effort has included developing learning objectives and giving three demonstration trainings in the Northwest in Puget Sound (WA), Treasure

Valley (ID), and Yakima (WA), attended by a total of 70 operators and managers. The trainings have included guidance and support on identifying and implementing low- and no-cost energy efficiency opportunities to meet the CRES requirements.

There will be a CRES booth at the RETA National Conference staffed by refrigeration operators who participated in the demonstration trainings and are applying to become CRES. These applicants can answer questions about CRES and share ideas for energy efficiency activities. Also at the booth, the newly produced CRES video will be playing and you can pick up information on CRES and energy efficiency.

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Policy Report

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The Membership Committee has created a process to fund the development of Chapters. The initial cost of formally chartering a Chapter in any state has become a very costly proposition. In order to lessen the financial burden to the organizing officers, RETA will provide funding to pay the organizing costs charged by the state. How much RETA will fund and what method will be used is still to be developed. The money for this will come from the return of funds from un-cashed checks that went out to Chapters. Chapters that close send the remains of their checking and savings account funds to HQ. These returned funds will be used to help new Chapters get established. The Board of Directors approved the policy recommendation from Membership this past August.

The energy efficiency activities done by participants in the Northwest demonstration trainings reduced plant-wide electric energy use between two and 10 percent. These activities included:

- Optimizing the energy use of compressors, condensers and evaporators
- Improving part-load performance, reducing system lift, and using effective defrost strategies
- Tracking facility energy use and supporting an overall strategic energy management approach
- Implementing efficiency improvements in both refrigeration and non-refrigeration loads

Jeff Johnson, Facilities Manager with Trident Seafoods described how “We've increased our suction pressure on cold storage, which saves two percent per degree Fahrenheit. We've added some automation to our condenser, which will be more efficient. We've monitored and documented some evaporators and cold storage that were not operating 100 percent efficient...just by implementing a small change with our control system, we found we could run several days without defrost, which penciled out to about \$3,000 annual savings.”

Jon Smock added that, “[CRES] forces you to focus on each individual energy-saving process, optimizing, maintenance, relooking and rethinking how each process is done, how we're doing it currently and what the best practices are.”

NEEA is a nonprofit organization working to speed up the adoption of energy-efficient products, services, and practices in the four Northwest states. Supported by Northwest utilities since 1997, NEEA and its partners have saved enough energy to power more than 600,000 homes each year.



*Jeff Johnson, Facilities Manager,
Trident Seafoods*

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