



Upcoming Events

July 20
RICE Compliance Workshop.
Register/more information: [Here](#)

July 29
Gas Steel Pipe Workshop.
Register/more information: [Here](#)

August 25 & 26
Water Distribution/Leak Detection Workshops.
Register/more information: [Here](#)

Bellevue parade victim fund set, taking donations

◆ **Recovery is continuing in IAMU member community Bellevue after tragedy struck July 4 when horses that were part of a unit in a parade stampeded.**



Two persons have died from the incident and numerous others were injured, several of them children.

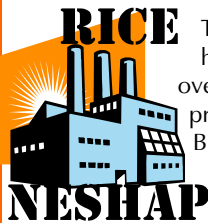
The Bellevue Parade Victim Fund has now been established. Sedgwick Claims Management Services, Inc., a national claims management company, has volunteered to administer the fund. Donations may be made at The Bellevue Parade Victim Fund, c/o Bellevue State Bank, P.O. Box 47, Bellevue, IA 52031.

Additionally, Diamond Jo Casino will match donations to the fund, up to \$50,000. Jonathan Swain, Chief Operating Officer of Diamond Jo Casino, is a resident of Bellevue.

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RICE NESHAP workshop July 20; register now online

◆ IAMU will hold a special workshop July 20 dealing with the urgent subject of compliance with Reciprocating Internal Combustion Engine (RICE) and National Emission Standards for Hazardous Air Pollutants (NESHAP) policies.



The workshop will be available for in-person attendance or by webinar. It will be held from 9 a.m. – 2 p.m. at IAMU's Training & Office Complex in Ankeny. An overview of the policies and how they will impact IAMU member utilities will be presented. The agenda includes Iowa Department of Natural Resources Air Quality Bureau representatives speaking about RICE NESHAP and related topics, and addressing common questions; Marlin Vrbas, PS Analytics, speaking on the potential impact of Midwest Independent System Operator (MISO) market costs of compliance with RICE NESHAP; Chad Daniel of the Stanley Group discussing technical and cost aspects of retrofitting of facilities for compliance; and a panel of generator manufacturers.

Cost is \$45 per person (in person) or \$30 per person by webinar (login information will be emailed to registrants). Lunch is included for those attending in person. More information and registration is available on the IAMU web site. Click [here](#). A paper registration form which can be faxed has also been distributed. For more information contact IAMU at 800-810-4268.



Still time to join IAMU's smart grid infrastructure plan

By Bob Haug, IAMU Executive Director

◆ **A year ago, IAMU filed a grant proposal to reduce the cost of smart grid infrastructure and to recover the utility's share of the cost through peak demand reductions. The original proposal was supported by 75 utilities and/or their joint action agencies. Only a few utilities remain in the project, as resistance from power suppliers, short-term budget concerns, and general confusion about the multitude of changes in the industry have led most to decline participation.** IAMU is in the process of rewriting the project scope and budget, with DOE's continued support, and asks it members to consider again the tremendous value of the project. The project reduces the utility's needs for providing new generating capacity, provides infrastructure for smart grid technologies, and enables customers to reduce their energy usage.



There is still time for participation. There are 21 months to get the work done and, if necessary, it can be done without significant utility staff involvement. Financing is also available to ensure a positive cash flow almost immediately.

The cost of avoiding new generating capacity – especially with a grant that covers 40% of the cost – is a small fraction of the cost of building it or buying it in the market. A utility must have generating capacity to serve 115% of its peak load. It can own and operate the resources or pay a demand charge to those who do. Our region's critical need for new generation was interrupted by the current recession, but the need will return with economic recovery. Gas turbines likely will be the generator of choice to meet peak demands, at an average cost of \$900/kW (with O&M and losses). That is equivalent to more than \$20/kW for each of the four summer months when system peaks occur. By contrast, the demand response from the smart thermostat project allows utilities to avoid the cost of new capacity for an investment of about \$200/kW or \$5.86/kW over four summer months. As a sign of the times, demand charges to Alliant Energy's municipal wholesale customers recently jumped from \$12.13/month to \$16.17. Those customers also pay \$7.07/kW/month for transmission for a total of \$23.24 for every kW of demand. Cutting demand with smart thermostats saves the utility \$17.38/kW/month. A participating utility with 1,000 customers would expect to install 321 devices and would be able to avoid over 400 kW of demand. Its project cost would total about \$65,000. The savings for an Alliant wholesale customer in the first summer with load control would be nearly \$28,000.



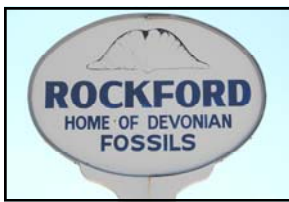
Water Distribution, Leak Detection Workshops slated

◆ IAMU will host another round of Water Distribution Training and Leak Detection Workshops August 25 & 26 at the association's Training & Office Complex in Ankeny. Participants may register for one workshop or both.



Hands-on training is the cornerstone of both of the day-long workshops. The Distribution Workshop (August 25) will cover fire hydrant maintenance, water main tapping/HydraStop, water main installation & repair, and fittings. The Leak Detection Workshop deals with leak detection with various equipment, line locating and meters.

Both workshops must have a minimum of 15 participants to be held. Register today on the IAMU web site by clicking here. Or, complete and return the registration form that has been distributed with the workshops brochure. Registration deadline is August 20. For more information contact Jill Soenen (jsoenen@iamu.org or 800-810-4268).



Rockford hosted IAMU's most recent Whole Town Energy Audit, with businesses, municipal facilities and the local school analyzed for energy efficiency. Moulton and Brighton will be the sites of audits later this week, and IAMU will be part of an energy efficiency event at "Westerner Days" in Westfield Saturday, in connection with the Whole Town Energy Audit program.

New IUB wind rules will foster utility interconnection



◆ The Iowa Utilities Board (IUB) has adopted rules to encourage the development of more small wind generation systems across Iowa and help the state continue to be a leader in renewable energy. The rules are for a State program to simplify and encourage small wind generation systems (100 Kilowatts or less nameplate capacity) being interconnected with electric utilities, through the establishment of small wind innovation zone designations in political subdivisions.



The new program stems from House File 810 enacted by the Iowa Legislature in 2009. In March 2010, a model ordinance for establishing an expedited local government approval process for small wind generation systems was completed. To be designated as a small wind innovation zone, a political subdivision (including but not limited to a city, county, township, school district, community college, area education agency, institution under control of the State Board of Regents, or any other local commission, association, or tribal council) must either adopt or be within the boundaries of a local government that adopts the model ordinance.

A complete summary of the oral and written comments in this rule making, along with staff recommendations, is available through the IUB's electronic filing system (EFS). Click [here](#). The Board order (Docket No. RMU-2009-0010) is also available on EFS. Click [here](#).

Many IAMU members are recipients of I-JOBS funds



◆ Fifty-three IAMU member cities and utilities have been awarded funds to enhance their water infrastructure with money from the Water Quality Financial Assistance Program. Among the larger amounts awarded for IAMU members was: \$2 million to Atlantic

(construction of a new preliminary treatment facility); \$2 million to Shenandoah (new water treatment plant, supply wells, storage and distribution lines); \$1.6 million to Hampton (construction of a new wastewater treatment facility); and \$1.4 million to Arnolds Park (upgrades to water treatment plant).



A full news release and detailed chart of all award recipients can be found [here](#).

Smart grid program, continued from Page 1



The smart thermostat project is more than load control. It provides the infrastructure for other smart grid technologies, including smart meters and time of use or dynamic rates. If pricing electricity by the time of use seems exotic, consider that time of use rates have been in place in such states as Wisconsin, Arizona, Georgia, Maryland, New York, California, as well as Ontario, Canada. Also consider that five Iowa municipal utilities are implementing time of use rates. The average customer on the utility time of use rate at Sumner Municipal Utility has saved more than \$600 annually. And, if their customers start buying Chevy Volts or other plug-in cars, they will have a rate that makes sense for the customer and the utility.

Giving customers the tools to reduce their energy costs must be a front-burner issue for utilities. We know that the cost of producing a kWh at the next base-load generator will be at least 8¢/kWh –likely more than 10¢ with the uncertainty in the marketplace. Add transmission and local distribution and the cost of delivering the cheapest energy will exceed the current fixed retail rate of most utilities. Will Iowans, especially senior citizens who populate many of our small communities, be able to afford electricity at that price? Even without time of use rates, the thermostats can help reduce customers' energy bills by from 5 to 15 percent annually.



There is still a short window of time for utilities to take part in the smart thermostat project. Cost benefit analyses are posted on the IAMU web site, www.iamu.org (look for "Smart Thermostat Information" on the home page under "Hot News") for a representative utility with 1,000 customers using both low cost estimates for demand and transmission and higher estimates likely to be seen when the economy recovers. A similar analysis for wholesale customers of Alliant Energy will also be posted. Also posted are the most recent participant update and a questionnaire. Please contact Bob Haug at 800-810-4268 or by email at bhaug@iamu.org for more information.