



## RFP-675-15P

### Boiler Replacement at Carbondale Campus

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Addendum 001  
Issued 10/07/15

Below are the questions we have received from various parties with respect to this Request for Proposal, along with our response (indicated in red font). Although we have endeavored to remove duplicate questions, we have presented the questions below in an unedited format. We hope this is helpful to you in preparing your proposal. Please remember that proposals are due by 2:00pm Mountain Time on 10/12/15. This addendum is number 001. Please follow the submittal instructions carefully when submitting your proposal. CMC is not able to accept a late submittal as determined by the time stamp on our Internet receipt system. Remember to allow a few extra minutes for any technical difficulties.

1. I wanted to follow up about the Lochinvar BACnet card we discussed yesterday. To actually drive the boiler we use the 0-10V signal. We can configure the boiler to setpoint or modulation power. An example of setpoint would be: 2V=100F, 10V=185F. An example of power would be: 2V=10% boiler firing rate, 10V=100% boiler firing rate.

If you want to add the BACnet card, you can see more points from the automation system. You don't gain additional control of the boiler operation beyond the 0-10V signal. Page 42 of this manual shows the additional points that your BAS integrator would be able to see for the FTXL.

<http://lochinvar.com/linefiles/INS70085%20Rev%20G.pdf> **No we do not need the backnet card for the boilers**

2. I was wondering if a Scotch Marine Firetube Boiler would be okay to bid. <http://cmc.wpengine.netdna-cdn.com/wp-content/uploads/filebase/purchasing/675-15/RFP-675-15P%20Boiler%20Replacement%20Carbondale%20Campus.pdf>

**No we have insufficient information on these boilers at this time**

3. Does owner want each boiler to be capable of heating 100% of the building load. **Yes these boilers will be lead lag**

4. Are we to supply and install the outdoor air sensor(s) for reset capability. **No we do this thru our BAS**
5. Is Boiler Factory Start-up mandatory, can contractor do Boiler Start-up. **Factory start up is required**
6. The request for a high efficiency domestic water heater, does owner want the indirect tank replaced with an equal size and recovery capacity? This efficiency is the best, to stay with an indirect tank. **No we will forgo the domestic water heater**
7. Is pipe insulation a requirement on the primary/secondary loop, if so what type and thickness. **Yes 1 ½ fiberglass minimum**