



**OCTOBER 13, 2016**  
**RESPONSE 2 TO REQUESTS FOR INFORMATION**

**New Boiler and Heating System Changes**

**At**

**Former Talon Headquarters Building  
Crawford County Government  
Meadville, PA**

**Is this a prevailing wage job?**

Bidders are advised that PA prevailing wage rates apply to “Every contract to which the Commonwealth, its political subdivisions, an authority created by the General Assembly of the Commonwealth including authorities created under the Municipality Authorities Act of 1945 (53 P. S. §§ 301 - 401) and instrumentalities or agencies of the Commonwealth is a party, for construction, reconstruction, demolition, alteration or repair work other than maintenance work where the estimated cost of the total project is in excess of \$25,000.”

**Is there lead based paint on any interior surfaces in the building?**

The building was constructed in the late 1800’s and it is possible that lead based paint was used in construction or at some point in a renovation. The Talon building is not considered to be a residential or child-occupied facility, and therefore work in this building would not fall under the regulations of EPA’s Lead Renovation, Repair and Painting Rule.

**Are the electrical and gas supplies to the boiler(s) part of the project scope?**

Yes. Depending on the number and locations of the boiler(s), electrical wiring and gas piping may have to be extended or modified within the building.

The main electric service to the building enters the building in room 11 of the basement (rooms are shown on drawing C.1 of the RFP). In room 11 there is a 225 kVA transformer with a 480V delta primary and a 240/120V center tapped delta (high leg) secondary. Connected at some point downstream of this transformer, in room 11, is a GE 120/240V split phase panel with a 400A bus and a 200A main breaker. This panel has many open spaces, and is model number AQF1424MTX. In room 5 there is a Square D QO

Load Center with a 50A 3 phase main breaker, and 12 spaces. The 12 spaces are all occupied, however it is unclear whether they are all in service.

Natural gas piping enters the building in the dead-end hallway behind room 9 and is 2" threaded pipe. The gas piping goes through the wall into room 9 and connects to the existing boiler. A 1" gas pipe runs from room 9 to room 4 and this pipe supplies a gas fireplace upstairs.

**How will the new boiler(s) be controlled?**

The boiler(s) are to be controlled independent from the building circulation pumps (which run continuously) and the heat emitters (which open their zone valves when they have a call for heat in their particular room). The boiler control will be based on supply water temperature, as specified in section 1.4(C) on page B.4 of the RFP. Outdoor reset control has not been requested to be part of the project scope, but is not specifically prohibited, provided that the setpoint can be manually adjusted at any time. If the bidder chooses to submit a bid for Alternate 2, it is expected that the boiler control system would include some type of staging control.

**What is the operation of the thermostatic control valves on the 4 steam radiators which will be converted to hot water?**

The thermostatic valve is specified as a Danfoss RA 2000 on page B.7 of the RFP. This valve is intended to operate without electric power. The valve should sense ambient temperature in the room, and proportionally adjust valve position in order to maintain a room temperature set point. The valve should be equipped with a valve mounted dial and sensor, or a remote mounted dial and sensor. The dial can be manually adjusted in order to modify the room temperature set point.