

RFP 0918335017

Addendum No.1

Cherokee Mental Health Institute

Water Softening System Upgrades

General Clarifications:

1. Proposals may be emailed and do not have to be sealed proposals. Whether emailing or physically delivering, proposals shall be submitted to Steven Oberbroeckling per the RFP.
2. The cost breakdown requested in Item 1.3-13a shall be part of the proposal. The intention of this breakdown is to accelerate the contracting process once a Design Professional has been selected.
3. The Facility prefers that the new softeners not utilize cast iron parts because they have experienced deterioration issues with the existing cast iron heads. The system prior to the current one had brass heads which did not experience the same deterioration problems.
4. The Facility's soft water usage and boiler makeup water usage are attached to this addendum.
5. A steam condensate piping replacement project has just been completed which may reduce the amount of boiler makeup water needed in the future.
6. The Design Professional shall consider the operational and up-front costs of two options. Either replacing the system with a similar system which softens all water to zero (0) grains of hardness or replacing with a system that would soften all water to a lesser degree in combination with polishing to provide water softened to zero (0) grains of hardness just for boiler makeup water.
7. The design shall include redundancy for the softeners.
8. An alternate will ultimately be required in the construction bidding documents for an optional brine reclamation system.

Questions and Answers:

- Q1. What is the hardness of the incoming water?  
A1. The water is supplied by the City of Cherokee and the selected Design Professional can obtain this information from the City of Cherokee.
- Q2. What brand are the current water softeners?  
A2. Culligan.

- Q3. Are drawings of the current system and building available?  
A3. PDF's of drawings will be available to the selected Design Professional.
- Q4. Is any work associated with the existing salt storage bunker intended?  
A4. No.

# Softener Usage 2017

June - total for the month 300,000 Gals  
Weekly Avg. is 75,000 gals

July - total for the month 321,000 gals  
Weekly Avg. is 80,250 gals

Aug. - total for the month 332,000 gals  
Weekly Avg. is 83,000

Sept. total for the month 311,000 gals  
Weekly Avg. 77,750 gals

June - Sept 2017 quarterly Avg. 316,000 gals  
total 1,264,000 gals

(OVER)

# Make-up useage 2017

## Summer

June - total - 23,500 gals

Weekly Avg. 5,875 gals

July total - 23,179 gals

Weekly Avg. 5,794 ~~gals~~ gals

Aug. - total 33,721 gals

Weekly Avg. 8,430 gals

Sept total 22,578 gals

Weekly Avg. 5,644.5 gals

quartly Avg. 25,744 gals

total - 102,978 gals.

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## Winter make-up useage 2017

Nov. total 27,326 gals

Weekly Avg. 6,831 gals

Dec. total 55,659 gals

Weekly Avg. 13,914 gals

Jan total. 49,295 gals

Weekly Avg. 12,323 gals

Feb. total 36,137 gals

Weekly Avg. 9,034

total 168,417 gals

quartly Avg. 42,104 - NOV - Feb

(OVER)

