

## **REQUEST FOR PROPOSALS CENTRAL UTILITY PLANT WATER TREATMENT**

**QUESTION 1:** Do you have annual water make up for towers and or closed systems?

**ANSWER 1:** *Yes, we have make up water for towers.*

**QUESTION 2:** You specify wanting (5) binders. Does that mean (5) binders total with both technical and pricing proposals in the same binder? Or (5) of technical and (5) of pricing?  
TOTAL 10.

**ANSWER 2:** *Please submit five (5) binds total with both technical and pricing proposals in the same binder.*

**QUESTION 3:** Is there an average load for the cooling towers and boilers that we should use for bid calculation purposes?

**ANSWER 3:** *Total steam production to date roughly 737,640 mlbs to Total chilled water consumption 2,401,196 tons produced to date.*

**QUESTION 4:** Is there an average make up water or lost water for the chilled water that we should use for inhibitor calculations?

**ANSWER 4:** *No there is no meter for chilled water make-up. You will have to figure out by putting some form of trace in the system and do calculations from there.*

**QUESTION 5:** Is there a specific instantaneous heterotrophic bacteria test? Is ATP testing acceptable?

**ANSWER 5:** *We use dip slides three (3) times a week for cooling tower and one (1) time a week for chilled water. We send out for a DMA (Differential Microbiological Analysis) test quarterly, or when micro #s are high.*

**QUESTION 6:** Noted there was a water meter for the make up to DA Tank for boilers, do we have any trend data for the past year's make up?

**ANSWER 6:** *C.U.P. will go through roughly on average 2,200 gallons make up water a day.*

**QUESTION 7:** Is there currently a water meter on the make-up and/or bleed of the cooling tower? If so do we have date on water usage for the past year? Do we have any data for the bleed amount for the past year?

**ANSWER 7:** *No, there is no blowdown meter on Cooling Tower makeup. You will have to use calculation off chilled water produced. (See question #3)*

**QUESTION 8:** How is chemical currently added to the Chilled Water System? Is there is bypass filter feeder in use currently?

**ANSWER 8:** *Yes, there is a shock feeder on the secondary loop of the chilled water system.*

**QUESTION 9:** Cooling Tower “pickling” (lay-up) consists of 2 out of the three cooling towers? If so are those towers just drained to below the roof line/common header?

**ANSWER 9:** Drained to the bottom of sump, there is too much piping on the roof to drain it below roof line that need to stay treated. Roughly 30 gallons of moly used to pickle system. We will not be switching chemicals for pickling this is what we have been using for the last five (5) years and this is what works for us here.