



INVITATION FOR BIDS METER EQUIPMENT & SUPPLIES

ANSWERS TO QUESTIONS SUBMITTED (#4 / FINAL)

(NO FURTHER QUESTIONS/ANSWERS WILL BE PUBLISHED)

1. Are the Item #2 Meters Direct Read or encoded or no registers?

Answer: As stated in Item 1, all meters must come with absolute encoder registers.

2. Item #1 Registers are not attached to the meters?

Answer: As stated in Item 1, all meters must come with absolute encoder registers.

3. Item #4 Meters should read Meters (Ultra Sonic, Magnetic)?

Answer: Solid State covers both Ultrasonic and/or Magnetic.

4. Is it possible to get the Attachments 1, 2, 3 in Word/Excel and any other documents that need be returned that need information from the bidder?

Answer: Documents related to the bid can be found on the City's website:

http://www.ci.vallejo.ca.us/doing_business/bids_proposals

5. It states that the City will consider replacing up to 10% of total meters with solid state meters. Do we take 10% of the quantity in the chart "Water Meters 3/4" short to 2" PD?

Answer: Yes; please see Answers to Questions Submitted, #3.

6. Item 4: Solid State Meter Specification, page 32. The size of meters listed is 5/8" X 3/4", 3/4" and 1". Does this also cover 1 1/2" and 2"?

Answer: The specification is for all meters 3/4" short to 2"; all meters 5/8" x 3/4" will be replaced with 3/4" short (as noted in Answers to Questions Submitted #3).



7. Page 33, Meter Case paragraph 2. “The measurement shall operate over a range of 32 – 140 degrees F”. At 32 degrees F the water is frozen and does not flow. Traditionally the min. temp is 34 degrees F. In addition the min and max temperature is required. Does the city allow for “computed temperature” or is it required for the temperature to be captured by a probe? Is the min/max for the hour or day?

Answer: 34 degrees F is acceptable. Please provide any product deviation and/or special attributes on the Deviation Statement.

8. Page 34, continued paragraph. The last sentence is confusing, does the City want a radio inside the meter? If so what kind?

Answer: No internal radio is required; however, the meter must communicate to an external radio through the Nicor connector.

9. Page 34, first paragraph. “The register shall have integral data logger that logs 460 daily flows”. 460 days seems arbitrary or specific to a manufacturer. What is the reasoning for 460 days? Also is flows defined as daily reads or the average GPM for the day or hourly?

Answer: Similar data loggers will be considered; please note your product deviation on the Deviation Statement. Flow is defined as gallons per hour.

10. Page 34 Accuracy. “Meter Manufacturer’s solid state meters shall exceed AWWA C715 Type 1 accuracy standards and warrant their published levels for the life of the their meters”. If the City desires for accuracy that exceeds C715, can the City provide what is expected? Beyond the Manufacturer’s published accuracy levels, how will the City determine the accuracy?

Answer: The City will accept accuracy standards that meet and/or exceed AWWA C715 Type 1 standards.