SPECIFICATION FOR BID
POWDERED ACTIVATED CARBON

PRODUCT REQUIREMENTS:

The City of Defiance Water Treatment Plant will be bidding **Powder Activated Carbon** by including performance benchmarking by an independent lab. We will be sending a sample of our Raw Water Source (Defiance Reservoir) to EPS laboratories by August 18, 2014. We request that all bidders provide a sample of their product to EPS laboratories by the same date. Bidders will be required to pay for this testing and bid awarding will be based on a combination of unit price and effectiveness testing.

Contact for PAC testing:
Rick Loftis
Engineering Performance Solutions
3161 St. Johns Bluff Road S., Suite 3
Jacksonville, FL 32246
Toll Free: 855-338-7770
Email: rick@epslabs.com
Web: www.epslabs.com

Additional requirements are:

1. Shall be delivered F.O.B. in truckload lots in blower type truck and unloaded via a 4" supply line equipped with a 4" female cam lock adapter.
2. Shall be accompanied with a certified weigh slip showing gross, tare and net weights.
3. Shall conform to AWWA standard B600 of latest revision.
4. Shall contain no more than 5% moisture.
5. Shall be free of impurities and have the following particle size distribution:
   a. 99% thru No. 100 Sieve
   b. 95% thru No. 200 Sieve
   c. 90% thru No. 325 Sieve
6. The apparent density of the activated carbon shall not be less than 0.2 g/cc nor greater than 0.75 g/cc.
7. Shall have an adsorptive capacity corresponding to an iodine number of 500 or greater.
8. Shall have taste and odor reduction not less than 70% of reference sample.
9. The powdered activated carbon supplied according to this bid shall contain no substances in quantities capable of producing deleterious or injurious effects on the health of those consuming water.

10. This material shall be certified as suitable for contact with or treatment of drinking water by an accredited certification organization in accordance with ANSI/NSF Standard 61, Drinking Water System Components – Health Effects. Verification of compliance shall be provided with bid documents.
11. In the event that the carbon supplied through this bid does not or cannot perform satisfactorily for removal of taste and odor compounds, such as MIB or Geosmin, the City reserves the right to purchase other activated carbon from the contracted supplier, or other suppliers, in an attempt to meet the City's water quality needs.
12. In the event that an analysis by a referee or third party laboratory is required to verify product quality and or removal capabilities, the supplier of the product shall pay all related cost for testing and shipping.
13. A product data sheet and MSDS sheet shall be included with the bid.

REFERENCES MUST BE AVAILABLE ON REQUEST FOR ANY OF THE ABOVE REQUIREMENTS.

BID FORM
POWDERED ACTIVATED CARBON

1. The City of Defiance Water Division anticipates purchasing 42 tons, more or less, powered activated carbon from October 1, 2014 to September 30, 2015. Bidder shall provide a toll-free or collect call phone number for ordering purposes.
2. Shall be bid as unit price per ton.
3. The City desires that the bid price shall be for a twelve month period from October 1, 2014 to September 30, 2015. The bid price shall be firm without increase (i.e., fuel surcharges) for this period.
4. The undersigned hereby certifies that the supplies listed on this bid proposal conform to the bid specifications in full and that any deviations from the said specifications are itemized below with a full explanation of the nature of the deviation. Further, the undersigned understands that any purchase made under a Contract for the same must comply with the bid specifications or the listed deviations, or the Contract may be considered canceled as a breech of Contract and another supplier may be awarded the remainder of the Contract.

PRODUCT INFORMATION NOTES:

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_____
Product Name

From October 1, 2014 to September 30, 2015

_____
Period Bid Price is Firm

_____
Cost/Unit

_____
Company Name

_____
Authorized Signature

_____
Mailing Address

_____
Printed Name

_____
City State Zip

_____
Title

_____
Toll Free Number

_____
Date Signed