



# CITY COUNCIL AGENDA ITEM

REQUESTED COUNCIL MEETING DATE **8/17/10**

**SUBJECT:** Sole Source Acquisition of Neptune Water Meters

**DEPARTMENT:** Finance Department

**RECOMMENDED MOTION:**

Approve City acquisition of Neptune Water Meters.

**SUMMARY:**

During the past several months City Staff has been considering various water meter alternatives. The new large Sensus Meters are made of ductile iron pipe coated with an epoxy material. It is City Staff's concern that ductile iron will have a shorter than required life expectancy in a salt and sand environment. In the past the City has encountered problems with ductile iron degradation. Neptune Metering System has signed an agreement with Sensus, allowing them to communicate meter reading information through the Sensus flex net system. Also, Neptune meters have been tested by the City and they meet all our specifications including brass construction, reading accuracy, and comparable pricing. Please see the attached.

It is Staff's recommendation to continue with Sensus meters for the 1 inch or smaller meters and for larger meters proceed with Neptune. Both of these Companies use the same meter reading equipment.

**ATTACHMENTS:**  Ordinance  Resolution  Budget Resolution

Other  Support Documents/Contracts Available for Review in Manager's Office

|                           |  |      |                |
|---------------------------|--|------|----------------|
| <b>DEPARTMENT HEAD</b>    | <i>John A. Shelley</i> John A. Shelley, Finance Director | Date | <i>7/26/10</i> |
| <b>FINANCE DEPARTMENT</b> | <i>BP L</i> Approved as to Budget Requirements           | Date | <i>L</i>       |
| <b>CITY ATTORNEY</b>      | Approved as to Form and Legality                         | Date |                |
| <b>CITY MANAGER</b>       | Approved Agenda Item For:                                |      | <i>8/17/10</i> |

**COUNCIL ACTION:**

|  |  |  |
|--|--|--|
| <input type="checkbox"/> Approved as Recommended   | <input type="checkbox"/> Disapproved                 | <input type="checkbox"/> Tabled Indefinitely |
| <input type="checkbox"/> Continued to Date Certain | <input type="checkbox"/> Approved with Modification: |  |



November 3, 2009

Ms. Dorothy Foster  
Warehouse Supervisor  
City of Port Orange  
500 Oak St.  
Port Orange, Fl. 32127

**RE: NEPTUNE WATER METER PRICING**

Dear Dorothy,

Listed below are the prices you have requested:

| Description  | Unit Price |
|--|------------|
| 5/8"x3/4" T10 Double Check Meter Complete W/Ecoder Pit Gallon Encoder  | \$179.50   |
| 5/8"x3/4" T10 Bronze Bottom Meter Complete W/Ecoder Pit Gallon Encoder | \$78.00    |
| 3/4" T10 Bronze Bottom Meter Complete W/Ecoder Pit Gallon Encoder      | \$96.67    |
| 1" T10 Bronze Bottom Meter Complete W/Ecoder Pit Gallon Encoder        | \$119.50   |
| 1 1/2" T10 Bronze Bottom Meter Complete W/Ecoder Pit Gallon Encoder    | \$237.50   |
| 2" T10 Meter Complete W/Ecoder Pit Gallon Encoder                      | \$329.50   |
| 1 1/2" HP Turbine Meter Complete W/Ecoder Pit Gallon Encoder           | \$414.49   |
| 2" HP Turbine Meter Complete W/Ecoder Pit Gallon Encoder               | \$495.00   |
| 3" HP Turbine Meter Complete W/Ecoder Pit Gallon Encoder               | \$740.00   |
| 4" HP Turbine Meter Complete W/Ecoder Pit Gallon Encoder               | \$912.50   |
| 6" HP Turbine Meter Complete W/Ecoder Pit Gallon Encoder               | \$1,863.75 |
| 8" HP Turbine Meter Complete W/Ecoder Pit Gallon Encoder               | \$2,716.88 |
| 10" HP Turbine Meter Complete W/Ecoder Pit Gallon Encoder              | \$4,593.75 |
| 2" Tru Flo Compound Meter Complete W/Ecoder Pit Gallon Encoders        | \$1,135.00 |
| 3" Tru Flo Compound Meter Complete W/Ecoder Pit Gallon Encoders        | \$1,347.06 |
| 4" Tru Flo Compound Meter Complete W/Ecoder Pit Gallon Encoders        | \$1,940.00 |
| 6" Tru Flo Compound Meter Complete W/Ecoder Pit Gallon Encoders        | \$3,125.00 |



**Sunstate Meter & Supply, Inc.**  
14001 W. Newberry Road, Newberry, FL 32669

Phone: 352.332.7106  
Fax: 352.332.5604

*"Florida's Leading Distributor of Automated Meter Reading Systems"*

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|  |             |
|--|-------------|
| 4"x1" HP Protectus III Fire Service Meter Assy. W/Encoder Gal Encoders         | \$5,180.00  |
| 6" x 1 1/2" HP Protectus III Fire Service Meter Assy. W/Encoder Gal Encoders   | \$6,890.00  |
| 8"x2" HP Protectus III Fire Service Meter Assy. W/Encoder Gal Encoders         | \$9,187.00  |
| 10"x2" HP Protectus III Fire Service Meter Assy. W/Encoder Gal Encoders        | \$13,125.00 |
| 3" Bronze Meter Strainer   | \$373.00    |
| 4" Bronze Meter Strainer   | \$468.89    |
| 6" Bronze Meter Strainer   | \$872.22    |
| Encoder Pit Gallon Encoder Only W/16" Pigtails                                 | \$50.00     |
| Encoder Pit Gallon Encoder Only Prewired to 6' Encoder Pit Pad                 | \$54.00     |
| Adder for "Reclaimed" Trim on any register or meter                            | \$3.00      |
| Full Set, 1 1/2" Bronze Flanged Meter Connections <u>W/SS Bolts &amp; Nuts</u> | \$52.50     |
| Full Set, 2" Bronze Flanged Meter Connections <u>W/SS Bolts &amp; Nuts</u>     | \$60.25     |

*All Brass Meters manufactured with lead-free waterworks bronze and are in full compliance with NSF61 requirements.*

*All meters up to 2" in size have integral strainers.*

**ALL METERS PER PORT ORANGE SPECIAL:**

**POTABLE METERS – S1162**

**RECLAIMED METERS – S1163**

- *Pit Gallon Encoder Registers W/6' pigtails*
- *10 Digit Encoder ID# with sticker on side of register*
- *8 Digit Meter Serial Number stamped only on meter body*
- **NO SERIAL NUMBER ON ENCODER TERMINAL COVER.**
- *All meters programmed 6 wheels active.*

Prices firm thru: 12/31/2011

Freight: Allowed

We appreciate the opportunity to present this quotation to you. If you have any questions please do not hesitate to contact me.

Respectfully submitted,

***Jeff Kimbrough***

Jeff Kimbrough - Sales Representative

Sunstate Meter & Supply, Inc.

352-516-9791

| <u>SENSUS METERING</u>  |  | <u>NEPTUNE METERING</u>   |                           |
|---|--|---|---------------------------|
| <u>SIZE</u>   | <u>DESCRIPTION</u><br>NSF61 approved                                 | <u>DESCRIPTION</u><br>NSF61 approved & stamped  | <u>PRICE</u>              |
| 5/8" x 3/4"   | SR II EB (environmental brass)<br>****<1-20gpm>low flow .25gpm       | T10 BRONZE NSF w/Ecoder pit gal.<br>encoder < 1/2-20gpm> low flow .125gpm   | \$79.29                   |
| 1"  | SR II EB (environmental brass)<br><3-50gpm> low flow .75gpm          | T10 BRONZE NSF w/Ecoder pit gal.<br>encoder <1-50gpm> low flow .375gpm  | \$122.78                  |
| 1 1/2" Positive Disp  | SR EBII<5-100gpm><br>low flow 1.5gpm                                 | T10 BRONZE w/Ecoder pit gal. encoder <2-100gpm> low flow.75gpm  | \$301.23<br>flanges incl  |
| 1 1/2" TURBO<br>hi-flow   | **OMNI T2 no lead D.I. epoxy<br>coated <1.25-160gpm>                 | *HP TURBINE w/Ecoder pit gal. encoder<br><4-160gpm>   | \$622.75<br>flanges incl. |
| 2" TURBO<br>hi-flow   | OMNI T2 no lead D.I. epoxy<br>coated <1.5-200gpm>                    | HP TURBINE w/Ecoder pit gal. encoder <4-200gpm>   | \$738.69                  |
| 3" TURBO<br>hi-flow   | OMNI T2 no lead D.I. epoxy<br>coated <2.5-500gpm>                    | HP TURBINE w/Ecoder pit gal. encoder <5-450gpm>   | \$920.49                  |
| 4" TURBO<br>hi-flow   | OMNI T2 no lead D.I. epoxy<br>coated <3-1000gpm>                     | HP TURBINE w/Ecoder pit gal. encoder<br><10-1200gpm>  | \$1,792.06                |
| 6" TURBO<br>hi-flow   | OMNI T2 no lead D.I. epoxy<br>coated <4-2000gpm>                     | HP TURBINE w/Ecoder pit gal. encoder<br><20-2500gpm>  | \$3,226.30                |
| 1 1/2" COMPOUND<br>low-flow   | OMNI C2 no lead D.I. epoxy<br>coated <.5-160gpm><br>low flow .25gpm  | *****SEE 1.5" Positive disp*****  | \$910.00                  |
| 2" COMPOUND<br>low-flow   | OMNI C2 no lead D.I. epoxy<br>coated <.5-160gpm><br>low flow .25gpm  | T10 BRONZE w/Ecoder pit gal. encoder<br><2.5-160gpm>low flow 1.0gpm. OR<br>TRU Flo compound <.5-200gpm><br>low flow .125gpm | \$1,050.00                |
| 3" COMPOUND<br>low-flow   | OMNI C2 no lead D.I. epoxy<br>coated <1-400gpm><br>low flow .5gpm    | TRU Flo compound w/Ecoder pit gal.<br>encoders <1/2-450gpm> low flow .125gpm  | \$1,330.00                |
| 4" COMPOUND<br>low-flow   | OMNI C2 no lead D.I. epoxy<br>coated <1.5-800gpm><br>low flow .75gpm | TRU Flo compound w/Ecoder pit gal.<br>encoders <1-1000gpm><br>low flow .5gpm  | \$2,310.00                |
| 6" COMPOUND<br>low-flow   | OMNI C2 no lead D.I. epoxy<br>coated <3-1600gpm><br>low flow 1.5gpm  | TRU Flo compound w/Ecoder pit gal.<br>encoders <1.5-2000gpm><br>low flow .75gpm   | \$3,990.00                |
| ****gpm(gallon per<br>minute) represents the<br>normal flow for all meters<br>shown | **All Omnis have electronic<br>register-strainer included            | *All neptune meters listed are manuf.<br>w/lead free waterworks bronze==Meters 2"-<br>up price includes strainer            |                           |



**NEPTUNE**  
TECHNOLOGY GROUP

**RECEIVED**  
**PROCESSED**  
JUL 13 2010  
CITY OF PORT ORANGE  
FINANCE

November 4, 2009

Ms. Nancy Zuber  
Meter Department  
City of Port Orange  
500 Oak St.  
Port Orange, Fl. 32127

Re: AMR/AMI System Compatibility with Sensus Encoder Registers

Dear Ms. Zuber:

Neptune Technology Group Inc. is a leading provider of meter reading systems and water measurement products. Since 1992 Neptune and Sensus have participated in formally sharing encoder protocol information to ensure that both of our meter reading system technologies are compatible with each other's encoder registers. Our ongoing protocol sharing arrangement with Sensus benefits our mutual customers by ensuring long-term compatibility of our system technologies.

Today, Neptune systems read Sensus ECR II and ECR III encoder registers and Sensus systems reads Neptune ARBV, ProRead and E-Coder 6-digits. We have recently agreed to work with Sensus to read all 8-digits of our E-Coder protocol and are currently in discussions to accomplish this.

Please feel confident that Neptune and Sensus have an ongoing working relationship to ensure long-term compatibility of our reading systems with each other's encoder registers. As stated this is in the best interest of our mutual customers.

Please contact me if you have further questions.

Sincerely,

John Parks  
Director Marketing – Meters and Endpoints  
Neptune Technology Group