

**CITY OF NAPLES - UTILITIES DEPARTMENT  
WATER TREATMENT PLANT  
FILTERS 3 & 6 MEDIA REPLACEMENT**

ITEM	DESCRIPTION	QUANT	UNIT	UNIT PRICE/ FILTER	EXTENDED PRICE
1	REMOVE FILTER ANTHRACITE, SAND, & AGGREGATE FROM FILTER AND DISPOSE OF PROPERLY; INCLUDING ALL ASSOCIATED OVERHEAD, SUPPLIES, MATERIALS, AND LABOR DEFINED HEREIN.	2	EA	\$	\$
2	PRESSURE WASH FILTER SURFACES; INCLUDING ALL ASSOCIATED OVERHEAD, SUPPLIES, MATERIALS, AND LABOR DEFINED HEREIN.	2	EA	\$	\$
3	FILTER COATING OPTION; INCLUDING ALL ASSOCIATED OVERHEAD, SUPPLIES, MATERIALS, AND LABOR DEFINED HEREIN.	2	EA	\$	\$
4	DE-SCALE UNDERDRAIN TILE DRAIN HOLES; INCLUDING ALL ASSOCIATED OVERHEAD, SUPPLIES, MATERIALS, AND LABOR DEFINED HEREIN.	2	EA	\$	\$
5	FILTER MEDIA REPLACEMENT AND STARTUP; INCLUDING ALL ASSOCIATED OVERHEAD, SUPPLIES, MATERIALS, AND LABOR DEFINED HEREIN.	2	EA	\$	\$
<b>TOTAL BID:</b>					<b>\$</b>

COMPANY NAME: \_\_\_\_\_

COMPANY REP: \_\_\_\_\_ Date: \_\_\_\_\_

Proposals are requested to be returned to the Utilities Department via email to Ben Copeland at [bcopeland@naplesgov.com](mailto:bcopeland@naplesgov.com) **no later than 4:00 pm, on Wednesday, December 12, 2018**. For questions and/or site visits, please contact Bobb Reeder via email [rreeder@naplesgov.com](mailto:rreeder@naplesgov.com); or Phone 239-213-3005 or Terry Savage at [TBSavage@naplesgov.com](mailto:TBSavage@naplesgov.com) of Phone 239-213-3002.

All work and materials shall comply with the City of Naples Utilities Standards, Specifications, and Details; The Project's Drawings, Details, and Notes.

- *The media replacement of the defined FILTER units cannot commence until rainy season begins and plant flows drop to acceptable levels. The expected time frame for the installation is July – September 2018.*

**SCOPE OF WORK:**

**ITEM 1: REMOVE FILTER MEDIA FOR FILTERS 3 & 6; INCLUDING ALL ASSOCIATED OVERHEAD, SUPPLIES, MATERIALS, AND LABOR DEFINED HEREIN.**

This item shall include the following:

1. NOTE: Access to the filters is very limited due to locations of plant facilities and roofs over filters. The contractor needs to utilize equipment and manpower efficiently to accomplish the removal of materials without affecting plant operations.
2. The contractor shall remove the media from filters 3 & 6 (efficiently utilizing equipment and manpower, as noted above). The spent carbon (Anthracite), sand and aggregate will be removed from the site and disposed of properly. The cost for this work includes Mobilization, Equipment, disposal, and labor.

**ITEM 2: PRESSURE WASH FILTER SURFACES; INCLUDING ALL ASSOCIATED OVERHEAD, SUPPLIES, MATERIALS, AND LABOR DEFINED HEREIN.**

This item shall include the following:

1. Contractor shall assure that the filter drains are covered to prevent any debris from entering the drain system.
2. Contractor shall pressure wash all lime scale off all walls, tops of underdrains, shoots, piping, sweeps, etc. All debris shall be removed from filter and disposed of properly. All labor and equipment included.

**ITEM 3: FILTER COATING OPTION; INCLUDING ALL ASSOCIATED OVERHEAD, SUPPLIES, MATERIALS, AND LABOR DEFINED HEREIN.**

This item shall include the following:

1. The existing coating on the filter wall is Tnemec Pota-Pox-Plus NN140.
2. Contractor shall scarify the existing surface, clean, and apply two coats of the Tnemec N140, 4 to 6 MDFT each coat, per manufacturers' recommendations. All labor and equipment included.

**ITEM 4: DE-SCALE UNDERDRAIN TILE DRAIN HOLES; INCLUDING ALL ASSOCIATED OVERHEAD, SUPPLIES, MATERIALS, AND LABOR DEFINED HEREIN.**

This item shall include the following:

1. The filter drain tiles are thick and have multiple ¼" drain holes that may be partially or fully blocked with lime scale.
2. Contractor shall use drills with ¼" masonry bits to ream each drain hole to dislodge any lime scale. All labor and equipment included.

**ITEM 5: FILTER MEDIA REPLACEMENT AND STARTUP; INCLUDING ALL ASSOCIATED OVERHEAD, SUPPLIES, MATERIALS, AND LABOR DEFINED HEREIN.**

This item shall include the following:

1. The contractor shall install the various levels of aggregate, sand, and anthracite into the filter per the manufacturers' recommendation in the attached specification sheets.
2. Contractor shall coordinate with plant staff to run the filters through TWO Backwash Cycles. After the BW cycles are complete, the filters will be inspected for any settlement, and additional Anthracite will be added as needed. All labor and equipment included.

**NOTE: WHEN SUBMITTING YOUR PROPOSAL, PLEASE PROVIDE A BRIEF SUMMARY OF WHAT EQUIPMENT AND PROCESS YOU PLAN TO USE TO REMOVE AND REPLACE THE FILTER MEDIA.**