

ADDENDUM # 2

CITY OF TORRANCE
3031 Torrance Blvd.
Torrance, CA 90503

RFP NO. B2015-12

RFP for HVAC Filter Replacement Services at Various City Buildings

ADDENDUM # 2- Issued 5/20/15

THE FOLLOWING CHANGES ARE HEREBY INCORPORATED INTO AND MADE A MANDATORY PART OF SUBJECT BID:

Proposal Due Date remains **Tuesday, May 26, 2015 by 3:00 PM** in the City Clerk's office.

As part of the submittals to be provided, vendor must submit a copy of the contractor's registration with the Department of Industrial Relations (DIR). Please see page 1 and 3 for the full listing of submittals and see page 5 for more information on the DIR registration and prevailing wage laws.

Proposer is responsible for storage of filters and associated equipment and materials. There is no onsite storage allowed. Vendor will come to the site with all the materials, tools and equipment to complete the replacement of and properly dispose of old filters within the specified time period.

The contract is for a five (5) year period from effective date of award. The vendor will include all costs associated with replacement of the filters including labor, materials, tools, equipment and incidentals for entirety of the contract period. There will be no additional compensation for fluctuation in the market prices. Only change to the costs will be if there is an equipment change out that subsequently changes the size and/or type of filter.

Below are questions that were raised during the RFP period. Answers are in **bold**.

Bag Filters for the Police Building– What is the length and how many pockets?
Bags filters at PD are 24x24x12 and have 13 pockets

Cells – What is the efficiency of the cells for the Cultural Arts Center and Service Bldg - Public Works 20500 Madrona Ave? **Cells for Cultural Arts and Service Bldg. are 65% efficient.**

Are the cells box or header style?
The cells are box type.

For the window units FAA Airport Tower:

- What is 7-3/4x41-3/4x1 (Panel, Foam, etc.)?
The 7-3/4x41-3/4x1 filters are panels
- What are the specifications on the foam pads?
Attached is the specifications on the foam pads, although we have specified Tri-Dim Filters this is an “or equal” product.

Are rigid filters acceptable?
Rigid filters are not acceptable.

Can you please provide the HVAC unit information that is associated to the corresponding filters?
Buildings are listed in same sequence as the bid package.

Benstead Plunge: 1 A\H and 1 mechanical room fresh air intake both in same room on ground level.

CC Library: 65-20x20 filters for main A\H on roof, 3-25x48 and 1 25x64 links for 4 A\H units in basement, remaining filters for mechanical room fresh air intakes 2 on roof and 1 in basement.

Personnel Bldg.: Both links for A\H and pad for mechanical room fresh air intake all in same location. On ground level.

West Annex: 1 A\H at ground level, 2 A\H's on upper roof, 2 package units on lower roof, 2 filters for boiler room at ground level, 3 split system A\H's in basement floor above T-bar ceiling 6' ladder required.

City Hall: Description on filter list. Everything in penthouse or basement equipment rooms. Computer Room is in basement.

East Annex: All filters for 3 A\H's on roof.

Building & Safety: Filters are for 4 package units on roof and 2 A\H's and 1 fresh air intake in equipment room at ground level.

Fire Prevention: Filters are for 4 package units on roof. Extension ladder needed.

Ken Miller Rec Center: 20x20 panels for package unit on roof extension ladder required, 16x90 links for 2 split system A\H's in equipment room 6' ladder required and pads for mechanical room fresh air intake.

Cable Bldg.: 16x20 and 20x20 panels for 19 Package units on roof, remaining filters for 3 A\H's above T-bar ceiling.

Cultural Arts Center: The filters can be divide up among 2 large A\H's on the roof, 2 package units on a separate roof, 10 A\H's in varies locations requiring a 6' ladder for each one, 17 VAV boxes in various locations above T-bar ceiling requiring 6' ladder at each location, 1 A\H & make-up air unit on a separate roof, 2 filters on electrical room doors, and 2 filters on mechanical room doors.

Police Dept.: Description on filter list. 6' ladder required jail area and property room only. All other equipment on roof or ground level.

Fire Station #1: 5 package units on the roof, 2 A\H's at different locations in building. No ladders required

Fire Station #2: 2 package units on roof, extension ladder required.

Fire Station #3: 2 package units on roof, 1 A\H on ground level. No ladders required.

Fire Station #4: 1 package unit on roof filters in filter grill in space 6' ladder required, 2 split system A\H's filters at unit and in filter grill 6' ladder required.

Fire Station #5: 2 package units on roof, extension ladder required.

Fire Station #6: 2 package units on upper roof, 1 on lower roof. Extension ladder required for lower roof only.

City Yard: Service Bldg.- 9 package units and 8 heating ventilation units on roof, 3 split systems with filter grills throughout building 6' ladder required.

Transit Bldg.- 1 20 ton and 1 7 1/2 ton package unit on roof, 1 A\H in gym 8' ladder required.

De-Salinization Plant- 1 package unit on roof, 1 split system A\H above T-bar ceiling 8' ladder required.

Madrona Marsh: 5 split system A\H's above T-bar ceiling throughout building 6' ladder required.

Greenwood Park: 12 upflow furnaces spread out among 3 buildings all located close to each other no ladder required.

Bartlett Senior Center: 5 package units on roof for 2nd fl, 5 split system A\H's above T-bar ceiling throughout 1st fl 6' ladder required, 5 fresh air intakes for A\H's mounted on the exterior of building extension ladder required.

Historical Museum: 2 package units on roof. No ladder required.

Russ Nolte Annex Bldg.: 1 package unit on roof extension ladder required.

Wilson Park Sport Center: 3 package units on 2 different roofs no ladder required.

Southeast Library: 3 package units on roof extension ladder required.

Sur La Brea Park: 1 furnace in equipment room no ladder required

General Aviation Center: 2 package units on west roof and 2 split system A\H's on west roof penthouse, 2 package units and 2 make up air units that take 20x20x4 pleats on east roof. No ladder required for building.

FAA Airport Tower: 3 window units on 1st fl., 5 ductless units total on 2nd 3rd and 4th floors, 1 A\H in 4th fl. equipment room. No ladder required.

Walteria Library: 2 package units on roof. Extension ladder required.
Walteria Park: 1 upflow heating unit. No ladder required
El Retiro Library: 2 Split system A\H's in equipment room, 1 package unit on roof extension ladder required.
El Retiro Rec Center: 1 upflow heating unit. No ladder required
El Retiro Rotary: 1 upflow heating unit no ladder required.
Sea Aire Golf Course: 1 upflow heating unit no ladder required.
Henderson Library: 2 package units on roof. Extension ladder required.
La Romeria Park: 2 upflow heating units in different room. No ladder required.
El Nido Park: 1 upflow heating unit. No ladder required
McMaster Park Rec Buildings: 2 package units on roof. Extension ladder required.
North Torrance Library: 3 package units on roof. Extension ladder required.
McMaster Park: 2 upflows in closets. No ladder required.
Alta Loma Park: 1 upflow furnace. No ladder required.

Annual Replacement

Police Building: 15 Bag Filters for shooting range unit at ground level.
Cultural Arts Center: 22 total Cell Filters for 2 large A\H's on roof. No ladder required
Service Bldg.: 12 Cell filters for Intellipak unit on roof. No ladder required.

Semi-Annual Replacement

City Hall Bldg.: 20 Merv 11 Filters for Basement A\H, 40 Merv 11 Filters for Penthouse A\H. no ladder required
West Annex Bldg.: 8 total Merv 121 filters for A\H in equipment room at ground level.
City Yard: 16 total Merv 8 Filters for Intellipak unit on roof. No ladder required.

If any location does not mention ladders, there is no ladder required.

Please return this addendum with your bid proposal.

I hereby acknowledge receipt of this addendum.

Name of Company

Address

City State Zip Code

Suggested Specification

THREE PLY FILTER MEDIA

1.0 General

- 1.1 Filters shall be Tri-Dek® #15/40+3 3-Ply Filter Media in media pads and rolls as manufactured by Tri-Dim Filter Corporation.
- 1.2 The quantity, sizes and capacities shall be as scheduled or noted on the drawings or other supporting documents.

2.0 Construction

- 2.1 The filter media shall be multi-graduated laminate of variable denier synthetic fibers that form three distinctive plies that are arranged from coarse to increasingly finer deniers of media.
- 2.2 The filter media shall be comprised of a minimum of 29% of recycled materials. Percentage shall be calculated by weight.
- 2.3 The filter media shall have a downstream layer that is composed of a needed, synthetic media that has dual directional strength, insuring filter integrity as it becomes loaded.
- 2.4 The filter media shall utilize two distinctive tackifiers, both a wet and dry tack, to maximize filtration.
- 2.5 The filters shall be available in either a media pad or bulk roll configuration.

3.0 Options

- 3.1 The filter media shall be treated with an EPA Registered Antimicrobial to inhibit the growth of mold, mildew and bacteria.

4.0 Performance

- 4.1 The filter shall be a minimum of MERV 8 when tested by an independent test facility according to ASHRAE (American Society of Heating, Refrigeration and Air Conditioning Engineers) Standard 52.2-1999. The filter shall achieve a minimum E_2 value of 40.4% and a minimum E_3 value of 73.8%. *Test is from a panel configuration utilizing the same media configuration.*
- 4.2 The filter media shall have an initial resistance of 0.23" W.G. (57 PA) at the recommended airflow of 300 FPM (1.5 m/sec).
- 4.3 The filter media shall have a recommended final resistance of 1.0" W.G. (249 PA).
- 4.4 The filter media shall meet ANSI/UL-900 requirements.