

**City of Carson City
Agenda Report**

Date Submitted: April 8, 2008

Agenda Date Requested: April 17, 2008

Time Requested: Consent

To: Mayor and Supervisors

From: Purchasing & Contracts

Subject Title: Action to determine that Contract No. 0708-142 is a sole source contract and therefore not suitable for public bidding pursuant to NRS 332.115 and to approve Contract No. 0708-142 a request for the purchase of Thirty-Five (35) Filter Leafs from Whittier Filtration, Inc. for a not to exceed cost of \$57,470 plus shipping to be funded from Water Fund SDWA REQ (Arsenic) 520-3505-434-7870 for Fiscal Year 2007/2008

Staff Summary: Public Works wants to purchase thirty-five (35) replacement filter leafs for the Quill Water Treatment Plant. This is the required amount to replace one (1) of four (4) treatment vessels.

Type of Action Requested: (check one)
☐ Resolution ☐ Ordinance
☒ Formal Action/Motion ☐ Other (Specify)

Does This Action Require A Business Impact Statement: ☐ Yes ☒ No

Recommended Board Action: I move to determine that Contract No. 0708-142 is a sole source contract and therefore not suitable for public bidding pursuant to NRS 332.115 and to approve Contract No. 0708-142 a request for the purchase of Thirty-Five (35) Filter Leafs from Whittier Filtration, Inc. for a not to exceed cost of \$57,470 plus shipping to be funded from Water Fund SDWA REQ (Arsenic) 520-3505-434-7870 for Fiscal Year 2007/2008

Explanation for Recommended Board Action: Pursuant to **NRS 332.115 subsection 1 (a)**, staff is requesting the Board of Supervisors declare that the contract is not adapted to award by competitive bidding.

NRS 332.115 Contracts not adapted to award by competitive bidding; purchase of equipment by local law enforcement agency or other local governmental agency; purchase of goods commonly used by hospital.

1. Contracts which by their nature are not adapted to award by competitive bidding, including contracts for:
 - (a) Items which may only be contracted from a sole source;are not subject to the requirements of this chapter for competitive bidding as determined by the governing body or its authorized representative.

Applicable Statue, Code, Policy, Rule or Regulation: NRS 332.115 subsection 1 (a)

Fiscal Impact: \$57,470.00 + shipping

Explanation of Impact: \$57, 470.00 + shipping

Funding Source: Water Fund SDWA REQ (Arsenic) 520-3505-435-7870 as provided in FY 2007/2008

Supporting Material: Letter from Whittier Filtration

Prepared By: Cheryl Adams, Purchasing & Contracts Manager

Reviewed By:

(Public Works)

Date:

4/8/08

Date:

4-8-08

(City Manager)

Date:

4-8-08

(District Attorney)

Date:

4-8-08

(Finance Director)

Board Action Taken:

Motion: _____

1) _____

Aye/Nay

2) _____

(Vote Recorded By)



March 26, 2008

Mr. Rit Palmer
Carson City Water Department
Carson City, Nevada

Dear Mr. Palmer:

Re: Auto-Jet 54AJ-800F WCD Serial Number 7448 (Built July 1991)

This letter certifies that we are the Original Equipment Manufacturer of this vessel, including 35 laser-sealed stainless steel filtration leaf assemblies. We built this vessel under the name of U. S. Filter. Although we were the original U. S. Filter, we were not included in the sale of the company to Siemens Water Technologies in 2004 and our name was changed to Whittier Filtration. As the OEM, we have retained all Engineering drawings and Bills of Material covering your vessel.

I have attached a copy of our latest Quotation 7448/0802071 that was forwarded to your company on August 2, 2007. This quotation expired on August 31, 2007, but we can maintain the Unit Price of \$1,642.00 as long as we receive a purchase order no later than April 30, 2008.

As the OEM, we are the only manufacturer who can provide a laser-sealed leaf assembly for this vessel. For future reference, we can repair leaf assemblies and provide Field Service for work on all of our equipment.

Please do not hesitate to contact me if you require additional information. We look forward to your order.

Sincerely,

Agnes C. Kee
Customer Service Representative III



Whittier Filtration

To: Carson City Water
Attn: Mr. Jeff Voilte
Fax: (775)887-2164
From: Aggie Kee, Extension 2533
Subject: Customer Service/Spare Parts
Quotation for Additional Auto-Jet Pressure Leaf Filters and Leaf Assemblies/7448

Tel: (775)887-2355
Date: August 2, 2007
Page: 1 of 5

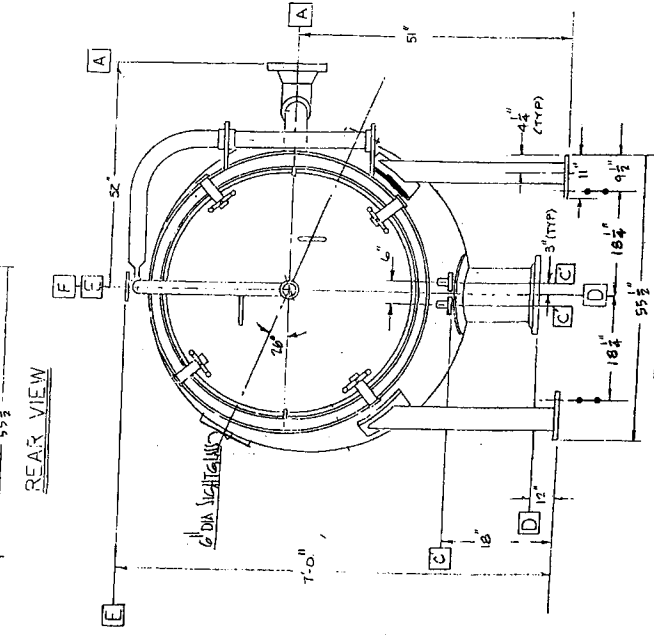
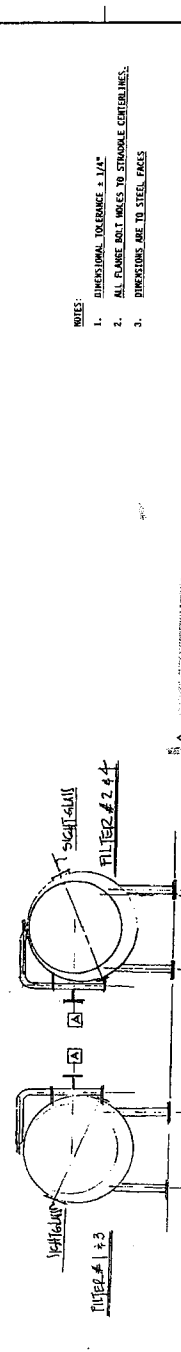
Per your request, we present the following pricing information. A Recommended Spare Parts List is also attached.

Quantity/Unit	Item	Unit Price	Ship ARO
2 Each	54AJ-800F WCD Auto-Jet Pressure Leaf Filter (Duplicate of Auto-Jet Job No. 7448 supplied per Carson City Purchase Order 13805 July 1991); to include Internals and 48" Laser-Welded 5-Ply Leaf Assemblies (35 per vessel); Carbon Steel lined with Plasite 7156; Exterior Epoxy-Primed (Please see attached Top Assembly Drawing and Detailed Specifications.)	\$197,295.00	22 Weeks*
70 Each	Leaf Assembly 48", Laser-Welded; 5-ply; complete with hubs and hardware; 304 Stainless Steel	\$1,642.00	8 Weeks
*	After approved drawings and/or purchase order.		
Quotation No.:	7448/0802071		
Valid:	Through August 31, 2007		
Terms:	• Submittal of Drawings: 15% of Purchase Value • Receipt of Head and Shell Material: 35% of Purchase Order Value • Hydro Test: 20% of Purchase Order Value • Shipment: 30% of Purchase Order Value		
FOB:	Ship Point		
Freight:	Prepaid/Add		
Carrier:	Truck		

Thank you for your inquiry; we look forward to your order. When forwarding your order, please ensure that your Purchasing Department send it to the address given below. Please do not hesitate to contact me if you require additional information to complete this transaction.

www.whittierfiltration.com

Whittier Filtration, Inc.
12854 E. Florence Avenue
Santa Fe Springs, California 90670 USA
Tel: (562) 204-2550 • Fax: (562) 204-2551
Toll-Free: (800) 487-3458, Ext. 2533
Email: agnes.kee@veoliawater.com



1. DIMENSIONAL TOLERANCE $\pm 1/4"$
2. ALL FLANGE BOLT HOLES TO STRADDLE CENTERLINES.
3. DIMENSIONS ARE TO STEEL FACES

Whittier Filtration

12854 East Florence Avenue
Santa Fe Springs, CA 90670 USA

F	1	2"	RELIEF VALVE
E	1	4"	VENT
D	1	10"	DRAIN
C'	4	1"	BOTTOM SLUICE
C	1	4"	SPRAY HEADER
B	1	10"	OUTLET
A	1	8"	INLET

WORKING SERVICE
OPENING SCHEDULE

DOOR OPENING & HOLE ORIENTATION

TO: **CITY OF CARSON CITY**

LOCATION: CARSON CITY, NEVADA

R'S P.O. # _____ FILTER MODEL 54 AJ-800W
R FRONT. 54W

ASME/ADDER - STAMPED; YES/NO _____

PRESSURE @ TEMP.: 79 _____ PSI 0 _____

VESSEL SA-516-70 INTERNALS 304 S
TYPE: PLASITE

EMPTY 9,000 LBS OPERATING: 28,000

100

4



CITY OF CARSON CITY, NV
QUILL RANCH WATER
TREATMENT PLANT

AUTO-JET FILTERS

SERVICE CONDITIONS

Quantity of Filters	Two (2)
Process Liquid	Potable water
Total Flow	3,200 gpm (4.608 mgd) expandable to 7,200 gpm (10.4 mgd)
Flow per Filter	800 to 1,200 gpm (1.152 to 1.728 mgd)
Operating Temperature	Ambient
Operating Elevation	5,000 ft.
Sluice Fluid	Filtered water
Sluice Fluid Pressure/Flow	55-60 psi / 366 gpm
Precoat Body Feed Material	Diatomaceous earth
Precoat Body Feed Liquid	Filtered water
Diff. Pressure Across Leaf	35-40 psid

VESSEL DESIGN

Model	54AJ-800F WCD
Type of Auto-Jet Vessel	Double conic
Size	54" dia. x 58" dia. x 54" dia.
Type of Door	Auto-Lok quick opening
Design Pressure/Temperature	75 psig / 150 deg. F
ASME Code and Stamp	Yes
Joint Efficiency	85%
Radiograph	Spot
Vessel Material	ASTM A-516 Gr. 70
Shell Flange Liner Included	Yes
Shell Flange Liner Material	304 s.s.
Shell Flange Material	Carbon steel
Internal Finish	
Surface Preparation	SSPC-SP-5
Type of Lining	Plasite #7156
Thickness of Lining	10-12 mils
External Finish	
Surface Preparation	SSPC-SP-6
Primer	Inorganic zinc (2-3 mils)
Finish Coat	Two (2) coats, Enamel (1-1/2 - 2 mils) each
Color	Green



VESSEL DESIGN (continued)

Nozzles

	<u>Quantity</u>	<u>Size</u>	<u>Type</u>
Inlet	1	8x6"	150# RF flange
Outlet	1	10"	" "
Drain	1	10"	" "
Vent	1	4"	" "
Spray Header	1	4"	" "
Bottom Sluice	4	1"	" "
Relief Valve	1	2"	" "

INTERNALS

Baffle	Full length, adjustable, 304 s.s.
Sluice Header	Stationary, removable, 304 s.s.
Leaf Guide	Roller, teflon
Sluice Jet	V-port, 304 s.s.
Sluice Header Seal	O-ring, hycar
Shaft Style/Size	DV, 8", 304 s.s.
Shaft Seal	V-ring, hycar
Shaft Bearing	DV, 25% glass-filled teflon
Shaft Hanger	Toggle, 304 s.s.
Door Gasket	Lip seal, hycar

LEAVES

Filter Area	800 sq.ft.
Spacing	3" c-c
Quantity	Thirty-five (35) per filter
Size/Type	48" diameter / laser welded
Center Member	Erdle grid, 304 s.s.
Backup Member	8x8 mesh, 304 s.s.
Outer Cloth	HF-60, 304 s.s.
Hub	Heavy split hub, 304 s.s.
Hub Gasket	Ring, hycar
Hub Seal	O-ring, hycar
Peripheral Closure	Solid bar, 304 s.s.
Miscellaneous Hardware	Studs/nuts/washers, 304 s.s.

SHAFT DRIVE MOTOR

Manufacturer	Reliance
Horsepower	1
Service Factor/Insul. Class	1.0 / B
RPM	1800 rpm / 11 rpm output
Encl./Voltage, Phase, Cycle	TEFC / 460/3/60



WHITTIER FILTRATION
12854 EAST FLORENCE AVENUE
SANTA FE SPRINGS, CALIFORNIA 90670 USA
TELEPHONE 562-204-2550
TOLL-FREE 800-487-3458

PLEASE NOTE:

Reference the **Dwg. Item #** to the balloon items on the **PDF file**. Order parts using the **Part #** on this sheet.

ALL ORDERS MUST HAVE SERIAL # 7448.
PRICING IS VALID THROUGH SEPTEMBER 30, 2007.

Serial # 7448

CARSON CITY UTILITIES



Acrobat Document

Drawing	PART #	Description	Qty	DWG ITEM #	Price EA.	Del.Wks	PDF File
Shaft Drive Assembly	7448-810-6	Shaft	1	20	Upon Request	3	 Acrobat Document
	170090077	Nut, 2" MONEL	1	11	\$ 487.00	2	
	214190129	Plate retainer SS	1	5	\$ 183.30	2	
	172090081	Shaft Washer 2" Flat SS	1	14	Upon Request	1	
	680790007	V-rings 7690-44	13	15	\$ 36.00	2	
	164090066	Bearing Inner Shaft	1	23	\$ 495.00	3	
	164090169	Washer Thrust	2	19	\$ 94.30	3	
	164090068	Bearing Outer shaft	1	17	\$ 345.00	3	
	7448-776	Sprocket Shaft Drive	1	24	\$ 975.00	3	
	7448-810-16	Gasket Shaft 3660-48	1	16	\$ 32.00	1	
	164090069	Adapter, Inner Bearing	1	35	\$ 126.60	3	
	164090067	Adapter, Outer Bearing	1	33	\$ 126.60	3	
	214190134	Packing Gland PLATE	1	21	\$ 421.00	3	
	214190133	Packing Gland RING	1	13	\$ 435.00	3	
	7448-810-20	O-ring	1	N/A	Upon Request	2	
Front Toggle Assembly ALSO AVAILABLE-NEW ADJUSTABLE TOGGLE SEE PDF FILE FOR DETAILED DRAWING	7448-816	Front Toggle Assembly	1	N/A	Upon Request	3	 Acrobat Document
	164090059	Front toggle Bearing 1640-32	1	10	\$ 225.00	3	
	7448-816-15	Cap	1	17	Upon Request	3	
Center Toggle Assembly ALSO AVAILABLE-NEW ADJUSTABLE TOGGLE SEE PDF FILE FOR DETAILED DRAWING	7448-817	Center Toggle Assembly	1	N/A	Upon Request	3	 Acrobat Document
	164090058	Center toggle 1641-32	1	10	\$ 220.00	3	
	7448-817-14	Hub	1	8	Upon Request	3	
Spray Header Assembly	7448-850	Spray Header Assembly	1	1	Upon Request	3	 Acrobat Document
	211190001	Jet Spray	37	9	\$ 41.40	1	
	211190010	Roller, Leaf Guide	37	10	\$ 34.50	3	
	172090022	Washer - Flat	74	3	\$ 1.75	1	
	540790003	O-ring Spray Header 7352-44	1	8	\$ 9.00	1	
Door Assembly	214190022	Ring, Cover 7655-12	2	4	Upon Request	2	 Acrobat Document
	164090003	Bearing, Davit 1592-26	2	9	Upon Request	2	
	164090007	Bearing, Thrust 1596-26	1	10	Upon Request	1	
	164090002	Bearing, Door Bunt 1591-26	2	8	Upon Request	1	
	170290054	Bolt, Hex Head 4" Lg. All Tread.	1	13	\$ 28.00	1	
	172090042	Washer, Spherical	1	15	\$ 27.00	1	
	170290051	Bolt, Retainer	1	12	Upon Request	1	
Door Gasket Assembly	490790001	Door Gasket 3601-44	1	39	\$ 123.00	2	 Acrobat Document
Motor Drive assembly	7448-860-1	Motor, Shaft Drive	1	1	Upon Request	Upon Request	 Acrobat Document
	7448-860-25	Motor Sprocket	1	15	\$ 172.00	2	
	119990001	Chain, Drive (priced per foot / sold by 10' length)	1	14	\$ 24.15	1	
Leaf - laser style	7448-822	Leaf Assembly assy	35	N/A	Upon Request	Upon Request	 Acrobat Document
	170490010	Stud, Hub 8518-12	12	9	\$ 12.00	2	
	7448-162	Hub	1	10	Upon Request	Upon Request	
	7448-163	Hub with O-ring groove	1	11	Upon Request	Upon Request	
	170090022	Nut, Hub	24	4	Upon Request	Upon Request	
	172090029	Washer-Lock, Hub	24	5	Upon Request	Upon Request	
	7448-145	Gasket	2	6	\$ 14.00	1	
	7448-822-12	O-ring	1	N/A	Upon Request	2	

*** Other parts and Service upon Request ***