

# ATTACHMENT 1 - Schedule of Supplies

## SCHEDULE OF SERVICES AND PRICES/COSTS

**SCOPE OF WORK:** The intent of this contract is to award a Firm Fixed-Price contract for the provision of Preventative Maintenance and Intervening service calls for Government-owned Reverse Osmosis System. Services shall include all necessary labor, materials, and parts to thoroughly inspect, make adjustments, repair, and test for operating efficiencies in accordance with the terms, conditions, provisions and specifications. Services are required for a term of 6 months for the VA Greater Los Angeles Healthcare System, 11301 Wilshire Blvd. Los Angeles, CA 90073.

ITEM NO.	DESCRIPTION	EST QTY	UNIT	UNIT PRICE	EST. AMT
1	(2) REVERSE GEM FR-4 PRE-TREATMENT AND POST-TREATMENT COMPONENTS WATER SYSTEM  S/N 1511 BLDG. 500 DIALYSIS 6N S/N 1512 BLDG. 500 DIALYSIS 6N	6	MO	\$ _____	\$ _____
2	(2) TECHNIC-CONTINENTAL RESERVE OSMOSIS WATER SYSTEM PRE-TREATMENT AND POST TREATMENT COMPONENTS BLDG. 213 DIALYSIS  S/N 8908-587-1 S/N 8908-587-2	6	MO	\$ _____	\$ _____
3	(4) 3.5 CUBIC FEET CARBON TANKS QUARTERLY CARBON TANK EXCHANGES	6	MO	\$ _____	\$ _____
4	(4) 6 CUBIC FEET CARBON TANKS QUARTERLY CARBON TANK EXCHANGES BLDG. 500 DIALYSIS 6N	6	MO	\$ _____	\$ _____
5	(6) GE OSMONICS PORT REVERSE OSMOSIS UNIT MILLENNIUM PORTABLE RO'S MDL#750 (M500) GPD. PS.GFCI, TC. 115V BLDG. 500 6N AND BLDG. 213 DIALYSIS  UNIT #D S/N 57985 /EE#110231 UNIT #E S/N 57986 /EE#100232 UNIT #F S/N 1134812/EE#100302 UNIT #G S/N 1134814/EE#110300 UNIT #H S/N 1131554/EE#110121 UNIT #I S/N 1134814/EE#110303	6	MO	\$ _____	\$ _____
6	ACID NEUTRALIZER SYSTEM QUARTERLY SERVICE CLEAN AND PREP (2) ACID TANKS FILL BOTH TANKS WITH CALCITE VERIFY FUNCTIONALITY BLDG. 500 ROOM DIALYSIS	6	MO	\$ _____	\$ _____

**TOTAL COST:** \_\_\_\_\_

ATTACHMENT 2  
Reference Line Item #1  
Reverse Gem FR-4

Microbiologic Limits for Product water - GLA

	7-day colony count		Maximum Endotoxin Level	
Product water	(CFU/mL*)		(Eu/mL**)	
	Max	Action Levels	Max	Action Levels
B-500/RO#1	100	50	0.25	0.125
B-500/RO#2	100	50	0.25	0.125
B-500/RO Pre-Loop	100	50	0.25	0.125
B-500/RO Post-Loop	100	50	0.25	0.125
B-213/RO#1	100	50	0.25	0.125
B-213/RO#2	100	50	0.25	0.125
B-213/RO Pre-Loop	100	50	0.25	0.125
B-213/RO Post-Loop	100	50	0.25	0.125

\* = Colony forming units/milliliter.

\*\*= Endotoxin units/milliliter.

\* = Product water presently  
includes water used to prepare dialysate

\* = AAMI/ISO 23500 American National Standards Institute,  
Association for the Advancement of Medical Instrumentation  
(AAMI).

NOTE: IF any results come back above action levels, the contractor must  
disinfect the system (RO units, loop, storage tank, or all of them) until  
satisfactory results come back from the lab.

## ATTACHMENT 3

## Tasks

## TASKS:

**a) MONTHLY:**

- Disinfection of RO#1 (SN 1511) & RO#2 (SN 1512) for B-500 (4 Membranes)-Twice a month
- Disinfection of RO#1 & RO#2 (SN 8908-587-1 & 8908-587-2) for B-213 (6 membranes)
- Disinfection of treatment area loop.
- Disinfection of storage tank(s) – One 1,000 – gallon tank at B-500  
Two 500 – gallon tanks at B-213
- Replacement of Pre-filters: Two 1-micron filters at B-500  
Four 1-micron filters at B-213
- Inspection of all fittings and tubing for leaks.
- Inspection of all pressure gauges for acceptable ranges including distribution system pressures
- Salt delivery for the softeners to both buildings
- Check pre-RO UV light
- Check recirculation loop UV light
- Check softener functionality and timer clock
- Replacement of two 5-micron filters pre water softener
- Municipal Water Test on TDS & Conductivity / Hardness / PH / Chloramine, Free Chlorine residual
- R.O. Product Water test on TDS & Conductivity / Hardness / PH / Chloramine, Free Chlorine residual / product flow, reject, re-circulate rate, and percent rejection on each Reverse Osmosis unit.
- Check 2 booster pumps at B-500
- Check 2 distribution pumps for each building
- Inspect 4 carbon tanks back wash heads, and update times.
- Inspect remote alarm panels at both buildings

b) QUARTERLY:

- Cleaning (de-scaling) low and high PH of 4 membranes at B-500  
6 membranes at B-213
- Cleaning of the flow indicators
- Replacement of absolute four 0.05 submicron filters at B-500  
Two 0.05 submicron filters & one 0.25  
Submicron filter at B-213
- Exchange four 5.5-cubic feet carbon tanks at B-500  
four 3-cubic feet carbon tanks at B-213
- Inspect and service diverts to drain valves at both buildings, and automatic alternator at B-500.
- Inspect and service two acid neutralization systems at B-500.

c) ANNUALLY OR AS NEEDED:

- Replacement of absolute 0.02 micron bacterial vent filters
- UV light bulbs replacement & clean UV sleeves– 2 for each building
- AAMI water analysis of RO feed water
- AAMI water analysis of product water – 2 R.O. units for each building
- Inspect and service booster pumps x 2 and distribution pumps x 4
- Clean out brine tank

ATTACHMENT 4  
Holiday's

**NATIONAL HOLIDAYS:**

New Year's Day	January 01
Martin Luther King's Birthday	Third Monday in January
President's Day	Third Monday in February
Memorial Day	Last Monday in May
Independence Day	July 04
Labor Day	First Monday in September
Columbus Day	Second Monday in October
Veterans Day	November 11
Thanksgiving Day	Fourth Thursday in November
Christmas Day	December 25

If the holiday falls on a Sunday, the following Monday will be observed as a National holiday. When a holiday falls on a Saturday, the preceding Friday is observed as a National holiday by U.S. Government Agencies, and any day specifically declared by the President of the United States of America.

**OVERTIME & HOLIDAY PAY:** Any overtime and/or holiday pay that may be entitled to the Contractor's employees shall be the sole responsibility of the Contractor and shall not be billed to, nor reimbursed, by the Government.

Contractor will bill and be paid for actual services provided by Contractor personnel. Contractor will not be paid for "availability" or "on-call" services unless otherwise provided herein.