

 <p><b>UNIVERSITY OF NORTH CAROLINA CHARLOTTE</b></p>	<p><b>REQUEST FOR PROPOSALS #66-24007WH</b></p> <p>University of North Carolina at Charlotte Purchasing Office Reese Building, 3<sup>rd</sup> Floor 9201 University City Boulevard Charlotte, North Carolina 28223-0001</p>
<p>Addendum Issue Date: August 22, 2023</p>	<p>Due Date: <b>Tuesday, September 5, 2023, 2:00 PM ET</b></p>
<p>Purchasing Agent: Wendy Helton</p>	<p>DI Water System Repair &amp; Maintenance</p>
<p><b>ADDENDUM #2</b></p>	

This addendum is issued to answer questions received during the open question period.

**A SIGNED COPY OF THIS ADDENDUM MUST BE INCLUDED WITH YOUR BID**

COMPANY NAME	DATE
PRINTED NAME	SIGNATURE

Q: Scope of work states "The service shall include the entire system, from the tanks to the point of use in the labs, but not including the individual pieces of equipment." Is the Vendor responsible for any repairs on the building loops? Or just service and repairs on the RO/DI system skids?

*A: No, our in-house plumbers will maintain from the flange at the pump skid to the individual rooms and equipment.*

Q: Can you provide a previous contract that includes the parts & frequencies for each system (Filter Micron Ratings, Number of filters in housings, Lamps - TOC or Bacteria)?

*A: I have attached an old DI water parts list. It is not accurate, nor up to date, but for reference only, based on history.*

Q: Do you have system manuals and/or turnover packages for the RO/DI systems?

*A: The systems are standard; the manufacturer's information is in an attached table.*

Q: Can you provide the number of drops and/or drawing locations of those drops? What does each system feed?

*A: This information is unnecessary, as the University will service the system after the pump skids.*

Q: We recommend Chlorine for loop sanitization. Is that acceptable?

*A: The University is fine with any published sterilization process but will require coordination before the sterilization occurs.*

Q: What is the system in the EPIC building feeding?

*A: The assumption is that they are DI taps. The equipment listed is one machine, approximately 15 sinks, 2 autoclaves and 2 dishwashers.*

Q: Is there any work that is required before 8:00AM, after 5:00PM or Weekends, other than emergency calls?

*A: No*

Q: Can sanitizations be performed during weekdays between 8AM-5PM? Are there any systems currently that require certain dates for pre-scheduled shut-downs?

*A: They all need be scheduled beforehand, at each location.*

Q: How will parking work for a technician to perform service? Would we be required to purchase a parking pass?

*A: Vendor will pick up a contractor's parking pass at Maintenance Management at no cost. Once you are in the system, the pass will last the contract year.*

Q: How would we access the building for each system? (Keys, UNC-Charlotte personnel)

*A: The Contractor will have their representatives file a form to get a University ID Badge. They will then be trained on the keying and lock box system to get to the sites independently. Maintenance Operation staff will assist the contractor until they are familiar with the route and at any time as needed.*

Q: Will any repairs on the RO/DI systems require a separate quote/PO?

*A: Yes.*

Q: How many labs /floors are serviced and how many points of use are in Epic and BioInformatics.

*A: Epic: 3 floors, approximately 20 points of use. BioInformatics: 3 floors and approximately 11 points of use (MilliQ Boxes).*



12	Ea	Full Service Lease Contract with DI Exchange Service	FLD
		<b>Monthly Cost includes Services as follows:</b>	
		<b>45147 - 150A Burson</b>	
		3.6 Cu. Ft. GMP Mixed Bed Tank *3 every 6 months	915-01-047
		Rotate Polish Tank to Primary *1 every 6 months	ROTATE
		3.6 Cu. Ft. Processed Carbon Tank *1 every 6 months	915-10-047
		PX-05-20 5 Micron 20" Filter *1 every 6 months	ME42108
		Puretrex PP, 1m, 20" DOE Filter *1 every 6 months	275-20-040
		Test Operation of DI Quality Light *1 every 6 months	QUALITY LIGHT
		Perform Disinfect & Loop Sanitization *1 every 12 months	SI5100
		Loop Disinfect Supplies *1 every 12 months	RO LOOP DISINFECT
		UV Lamp *1 every 12 months	L-1-8030-N
		<b>45149 - Rm 161 - Woodward</b>	
		3.6 Cu. Ft. GMP Mixed Bed Tank *3 every 6 months	915-01-047
		Rotate Polish Tank to Primary *3 every 6 months	ROTATE
		3.6 Cu. Ft. Processed Carbon Tank *3 every 6 months	915-10-047
		5 Micron 20" Big Blue Filter *2 every 6 months	1233956
		Test Operation of DI Quality Light *1 every 6 months	QUALITY LIGHT
		Perform Disinfect & Loop Sanitization *1 every 12 months	SI5100
		Loop Disinfect Supplies *1 every 12 months	RO LOOP DISINFECT
		<b>45150 - BioInformatics 134</b>	
		3.6 Cu. Ft. GMP Mixed Bed Tank *3 every 6 months	915-01-047
		Rotate Polish Tank to Primary *1 every 6 months	ROTATE
		3.6 Cu. Ft. Processed Carbon Tank *3 every 6 months	915-10-047
		Test Operation of DI Quality Light *1 every 6 months	QUALITY LIGHT
		Puretrex PP, 1m, 20" DOE Filter *1 every 6 months	275-20-040
		MMP922CGE 20" .2um,213/Closed Filter*1 every 6 months	276-22-615
		SI Inspect & Rec Gallon Meter Perf Data *1 every 6 months	SI1005
		Lamp, 8060S, 30",2P One End *1 every 12 months	3023802
		<b>45151 - Grigg Hall Rm 179</b>	
		2.5 Cu. Ft. GMP Mixed Bed Tank *2 every 6 months	915-01-142
		Rotate Polish Tank to Primary *1 every 6 months	ROTATE
		1.2 Cu. Ft. Processed Carbon Tank *1 every 6 months	915-10-044
		Puretrex PP, 1m, 20" DOE Filter *1 every 6 months	275-20-040
		Ro Pre-Filter *1 every 6 months	275-10-812
		Filter Cartridge PES FPA-02-20-A *24 every 6 months	276-22-611
		Perform Raw Water Tests *1 every 6 months	WATER TESTS
		Record Product Flow *1 every 6 months	PRODUCT FLOW
		Test Product Water TDS *1 every 6 months	TDS TEST
		Test Product Water Hardness *1 every 6 months	SI1050
		Review/Adjust Water Softener *1 every 6 months	SOFTENER TEST 2
		Review Operation of Brine Tank *1 every 6 months	SOFTENER TEST 3
		Record Pump Pressure *1 every 6 months	PUMP PRESSURE
		Record Reject Flow *1 every 6 months	REJECT FLOW
		Record Reject Pressure *1 every 6 months	REJECT PRESSURE
		Calculate Percentage Rejection *1 every 6 months	REJECT PERCENTAGE
		Replace RO Membrane AK90-LE *2 every 12 months	3056683
		UV LAMP *8 every 12 months	G36-LMP12008
		Loop Disinfect Supplies *1 every 12 months	RO LOOP DISINFECT
		Perform Disinfect & Loop Sanitization *1 every 12 months	SI5100
		RO Permeate Water Analysis *1 every 12 months	GRID 42
		Puretrex PP, 5m, 9-3/4" DOE Filter *3 every 12 months	275-20-006
		Pellet Salt - 40 lb bags *4 every 12 months	3021652
		Chem,Liq,MinnCare,4X1QT *1 every 12 months	176-01-001

		<b>45152 - Grigg Hall Rm 374</b>	
		2.5 Cu. Ft. GMP Mixed Bed Tank *1 every 6 months	915-01-142
		Puretrex PP, 1m, 9-3/4" DOE Filter *1 every 6 months	275-20-008
		Rotate Polish Tank to Primary *1 every 6 months	ROTATE
		<b>45153 - EPIC Building - Roof 145</b>	
		3.6 Cu. Ft. GMP Mixed Bed Tank *4 every 6 months	915-01-047
		Rotate Polish Tank to Primary *4 every 6 months	ROTATE
		3.6 Cu. Ft. Processed Carbon Tank *3 every 6 months	915-10-047
		SI Inspect & Rec Gallon Meter Perf Data *1 every 6 months	SI1005
		Lamp, 8060S, 30",2P One End *6 every 12 months	3023802
		Filter,Depth,PP,5M,30",DOE,Purtrex *10 every 12 months	275-20-062
		MMP922EGS '1188411' Filter *5 every 12 months	MMP922EGS
		<b>46962 - Grigg Hall Rm 321 Site 1</b>	
		0.25 Cu. Ft. Processed Carbon Tank *2 every 6 months	915-10-018
		0.45 Cu. Ft. GMP Mixed Bed Tank *2 every 6 months	915-01-008
		Puretrex PP, 1m, 9-3/4" DOE Filter *2 every 6 months	275-20-008
		CMMP9108RR Filter *2 every 6 months	3028999
		BIO-1.5 UV Lamp *2 every 12 months	UV LAMP
		<b>46963 - Grigg Hall Rm 321 Site 2</b>	
		0.25 Cu. Ft. Processed Carbon Tank *2 every 6 months	915-10-018
		0.45 Cu. Ft. GMP Mixed Bed Tank *2 every 6 months	915-01-008
		Puretrex PP, 1m, 9-3/4" DOE Filter *2 every 6 months	275-20-008
		CMMP9108RR Filter *2 every 6 months	3028999
		BIO-1.5 UV Lamp *2 every 12 months	UV LAMP
		<b>47368 - Woodard Hall Rm 171</b>	
		1.2 Cu. Ft. Processed Carbon Tank *1 every 6 months	915-10-044
		Puretrex PP, 5m, 9-3/4" DOE Filter *1 every 6 months	275-20-006
		Filter Cartridge 10" Post-Filter *1 every 6 months	276-22-605
		10" Vent Filter *1 every 12 months	3028996
		UV Lamp, VIQUA S2q-PA *1 every 12 months	S330RL
		Quartz Sleeve *1 every 12 months	QS-330
		<b>50068 - New System - STEM Building - Penthouse</b>	
		3.6 Cu. Ft. GMP Mixed Bed Tank *1 every 6 months	915-01-047
		3.6 Cu. Ft. Processed Carbon Tank *1 every 6 months	915-10-047
		MMP922CGE 20" .2um,213/Closed Filter *8 every 6 months	276-22-615
		BIG BLUE, 5 micron, 20" filter *2 every 6 months	1233956
		BIG BLUE, 20 micron, 20" filter *1 every 6 months	1233958
		UV LAMP, 185nm, GLASCO. PN: 19337-V09 *1 every 12 months	NS ITEM
		UV LAMP, 254nm, GLASCO. PN: 572433 *4 every 12 months	NS ITEM
		QUARTZ SLEEVE, UV, 33" GLASO PN: QTZ *5 every 12 months	NS ITEM
		O-RING, UV *10 every 12 months	165-64-726
		Cartridge Filter, PP, FPPM-02-10-E *2 every 12 months	276-26-513
		PERFORM STORAGE TANK & LOOP SANI PER PMI *1 every 1	SI5100