

# MEPNN Supplier Scouting Opportunity Synopsis

Item Information	
Scouting Number	2023-075
Item to be Scouted	Water Polisher
Days to be scouted	15
Description	<p>A water polisher capable of the following Salient characteristics.</p> <ul style="list-style-type: none"> <li>• Mercury free ultraviolet (UV) Lamp</li> <li>• 1 year warranty</li> <li>• Flexible flow rate and dispense options</li> <li>• Ability to refresh water quality before dispensing</li> <li>• Delivers = 5 ppb total organic carbon (TOC) with a TOC monitor displayed</li> <li>• Ergonomic peripheral options such as a pedal for distributing water</li> <li>• Must be able to produce Type 1 water from a variety of feed water such as municipal, reverse osmosis (RO) water, and DI water.</li> <li>• Interchangeable polisher treatment options to meet changing needs</li> <li>• Environmentally friendly standby/low power mode</li> <li>• Installation Option</li> <li>• Include all peripherals and equipment for intended use</li> <li>• Data management for dispense history for Audit Trail purposes</li> <li>• Large touchscreen interface</li> <li>• Footprint of the instrument must be less than 12 inches wide and 14 inches long for the main water treatment unit to account for peripheral equipment needs and counter space.</li> </ul> <p>Polisher Point-of-use purifier for Purified on Demand (POD) water dispenser of Milli-Q IQ series water purification system Contains C18 reversed phase porous granular silica material validated to achieve water quality suitable for trace and ultra-trace analyses Provides water that passes the following tests:</p> <ul style="list-style-type: none"> <li>• HPLC gradient test at 210 and 254 nm</li> <li>• UV absorbance within specifications at 200, 205, 210, and 254 nm</li> </ul> <p>Fluorescence at quinine &lt; 1 ppb at 254 and 365 nm Reserpine test: no peak &gt; 10 ppb Residue after evaporation &lt; 0.0001% w/w as described in ISO 3696 Delivers a minimum of 500 L ultrapure water suitable for trace and ultra-trace analysis Easily to install and replace</p>
State item to be used in	Oregon

Contact Information	
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Department / Company / MEP Center	Environmental Protection Agency, U.S.
Bureau / Division / MEP Center Regional Office	

Supplier Information	
Type of supplier being sought	Manufacturer
Reason	Other
Details	Analytical Laboratory Startup

# Summary of technical specifications and performance requirements

Describe the manufacturing processes (elaborate to provide as much detail as possible)	Electronic and mechanical assembly. The EPA Region 9 laboratory provide a wide range of analytical capability to superfund, office of water, enforcement and other organizations. Clean water is at the heart of every analytical procedure we do. Our lab has recently closed in Richmond CA and the water polishers from this location did not survive the move. As we are trying to stand up our laboratory operations it is critical we bring this capability on before any others. In addition, the Region 9 lab has lost over 2/3s of its laboratory space and so counterspace is a large deciding factor in any purchase made.
Provide dimensions / size / tolerances / performance specifications for the item	Footprint of the instrument must be less than 12 inches wide and 14 inches long for the main water treatment unit to account for peripheral equipment needs and counter space.
List required materials needed to make the product, including materials of product components	Resin beds, motor, various PFAS free transfer materials, some electronics to control the flow of the system, and the ability to quickly troubleshoot with the manufacturer if something goes wrong.
Are there applicable certification requirements?	No
Are there applicable regulations?	Yes
Details	Needs to be able to meet ASTM standard for Type 1 water as it will be used for a wide array of EPA methodologies (200.8, 1633, 8270, etc.)
Additional Technical Comments	The Region 9 laboratory and all other analytical laboratories must have clean water, it is a cornerstone of our work. As such, any vendor will need to meet the standard listed in the description to be considered technically acceptable.

## Volume and Pricing

Estimated potential business volume	3 units total
Estimated target price / unit cost information (if unavailable explain)	15-25k/unit

## Delivery Requirements

When is it needed by?	End of FY23 (October 1st)
Describe packaging requirements	Will come on a pallet and packaged to protect the analytical equipment sufficiently.
Where will this item be shipped?	200 sw 35th street Corvallis Oregon and Hayward, CA.

## Additional Comments

Is there other information you would like to include?	
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