

WaterStart RFP - Round 22

Release date: Monday July 18, 2022

WaterStart requests proposals from water technology companies to solve immediate demands for innovation by our members. If you are a company that is ready to prove their ability to scale-up by solving one of the priorities below, please apply!

Wastewater Priorities

1. Solutions for managing obstructions to sewer pumping facilities servicing small public restrooms
2. Overcoming tree roots blockages in sewers
3. Beneficial reuse of Grit and Screenings collection from wastewater treatment plants
4. Screening and disinfection of wet weather discharge in the sewer network

Agricultural Priorities

5. Regenerative soil amendments
6. Soil measurement techniques to monitor carbon captured and nutrient availability

Please note! Supporting technical and business information can be found in page 3-4. These can also be found on our [CHANNELS Platform](#). Registration instructions located on page 2.

Deadline for Submission: **August 19, 2022** - Shortlisting Completed by: **September 23, 2022**

Summary and Background

WaterStart is nonprofit collective of globally recognized leaders who are adapting to change by scaling up new solutions to water challenges. We are in search of technology providers with novel solutions to specific priorities ready to be proven through large-scale pilots. If you're a tech company ready to scale-up by working with globally recognized customers with opportunities to enter new markets by solving imminent challenges in water, please apply.

The priorities listed above represent the collective needs among WaterStart members committed to installing innovative water technology solutions. Proposals should address one or more of these specific priorities. Grants are awarded on a competitive basis and range from \$25,000 to \$150,000.

Proposal Guidelines

To view more details related to the above priority descriptions and submit a proposal to this RFP, an account with WaterStart's online knowledge sharing platform, Channels for Innovation (CHANNELS) must be created.

To create an account, visit WaterStart's website at <https://waterstart.com/> and follow these steps:

1. In the upper-right corner you will click on "[Become a Member/Login](#)"
2. Click "Sign Up" and then select "I Am a Tech Provider"
3. Fill in basic email and company information to create an account

Once the account is created, you will be able to log into CHANNELS and view and respond to all RFPs released by WaterStart.

To respond to this RFP, please follow these steps:

1. Click on "RFPs" and find the open RFP that you are responding to (Round 22)
2. Click on "Learn More"
3. Click on "Submit RFP"
4. Answer the questions and upload any supplemental information. Supplemental information **must not exceed 5 pages in length**.
5. Click on either "Save Draft" to complete later or "Submit RFP" to submit your response

Evaluation Criteria

Criteria for judging applications will be based on:

1. Degree of technology's alignment with listed priority
2. Stage of technology readiness
3. Degree of shared risk
4. Degree of implementation risk

Questions?

Please feel free to contact our team at proposals@waterstart.com should you need any assistance.

Full Length Priorities

Wastewater Priorities

1. Solutions for managing obstructions to sewer pumping facilities servicing small public restrooms

Description: WaterStart member operates multiple small sewer lift stations that get clogged with various debris: clothing articles, rags, flushable wipes, etc. that overwhelms the existing 5hp chopper pumps sized for the facility footprint. To address this challenge, the member seeks preventative technology to eliminate the closure of public beach bathrooms, reduce repair costs and labor costs, and prevent sanitary sewer overflow (SSO) events.

US Please note: This is a US-based priority. It is open to domestic & international applicants.

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2. Overcoming tree roots blockages in sewers

Description: Tree Roots in sewer lines present a significant challenge to water utilities and require constant maintenance to prevent sewer chokes and other customer/environmental impacts. For this reason, WaterStart member is seeking an innovative and scalable solution to resolve blockages quickly and efficiently.

AU Please note: This is an AUS-based priority. It is open to domestic & international applicants.

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3. Beneficial reuse of Grit and Screenings collection from wastewater treatment plants

Description: WaterStart member is seeking a creative solution to improve the quality and recovery of Grit & Screenings to enable its beneficial reuse. The ideal solution is sought to offer environmental, social, and economic benefits by prolonging the life of valuable assets, minimizing solids build up in the plant and improving the quality of downstream biosolids products.

AU Please note: This is an AUS-based priority. It is open to domestic & international applicants.

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4. Screening and treatment of wet weather discharge in the sewer network

Description: Pockets of intense rainfall are common in South-East Queensland, triggering the activation of relief structures under conditions where waterways are not freely flowing.

WaterStart member is seeking a technology to manage the high-rate flows caused by large rain events. The sought solution would ideally filter small and large discharge and minimise pathogen without compromising the effective operation of the network relief structures.

AU Please note: This is an AUS-based priority. It is open to domestic & international applicants.

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Agriculture Priorities

5. Regenerative soil amendments

Description: Soil amendments may help to create better crops, use water more efficiently, increase the amount carbon in the soil and increase the availability of nutrients to the plants. This would lead to less chemical application of fertilizer and will eventually a more robust drought resistant root system. The water holding capacity may increase, making more water available to the plants.

WaterStart member is seeking sustainable soil amendment material to be delivered in the Palo Verde Valley, Riverside County and in the California Delta; Contra Costa and San Joaquin Counties.

US Please note: This is a US-based priority. It is open to domestic & international applicants.

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6. Soil measurement techniques to monitor carbon captured and nutrient availability

Description: Healthy agriculture soils are important to create better crops, use water more efficiently, increase the amount carbon in the soil and the increase availability of nutrients to the plants. This would lead to less chemical application of fertilizer and will eventually a more robust drought resistant root system.

WaterStart member is therefore seeking an economical soil testing method for their 40-acre pilot program in the Palo Verde Valley Riverside County and in the California Delta ; Contra Costa and San Joaquin Counties.

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