



MOONSHOT MISSIONS

WHY JOIN US?

If you are passionate about water issues and environmental equity, please consider joining our Moonshot Missions (MM) team! Moonshot Missions is led by George Hawkins, a visionary leader in the water sector and well known across the water sector for transforming DC Water into an innovative, customer-driven enterprise. We are a small but rapidly growing non-profit start-up, working directly to improve stream health and drinking water quality, as well as affordability and resiliency for underserved communities. Whether you are just launching your career or looking to broaden your experience in the water industry, becoming part of Moonshot Missions will enable you to work alongside veteran water leaders, make a direct impact on our sector, while helping to ensure safe and clean water is delivered to the people who need it most!

To learn more about us visit: www.moonshotmissions.org or email us: jobs@moonshotmissions.org

POSITION DESCRIPTION

Moonshot Missions seeks an Engineering Research Associate Volunteer to serve as a technical resource to the organization, reporting to the Senior Director and supporting the Research Team. The associate will apply research and knowledge to address the challenges facing drinking water and wastewater utilities, particularly in economically distressed communities. Moonshot Missions is currently working on topics related to environmental equity, such as lead in drinking water, providing access to clean water in Tribal communities around the US, and leveling the playing field in the water sector so every American has access to reliable, clean and affordable drinking water and sanitation services.

Position Title	ENGINEERING RESEARCH ASSOCIATE VOLUNTEER
Time Commitment	20-40 hours per week, six-month duration with the potential for an extension. Working hours (times) are flexible.
Classification	Volunteer
Educational Qualifications	Required: <ul style="list-style-type: none"> - Bachelor's Degree in Engineering or a related field, including coursework/research experience related to civil and/or environmental engineering design. Desirable: <ul style="list-style-type: none"> - Bachelor's, Master's or Ph.D. in Engineering or related field, including coursework in basic engineering principles and engineering design.
Desired Qualifications	<ul style="list-style-type: none"> - Experience performing engineering work related to drinking water and/or wastewater treatment, drinking water and wastewater collection and distribution systems, and stormwater management. - Experience in the water and wastewater utility sector, specifically related to the engineering, operations and maintenance of these systems. - Ability to evaluate and identify areas in which water and wastewater utilities can improve core service delivery and reduce costs.
Additional Desired Qualifications	<ul style="list-style-type: none"> - Experience operating water and wastewater utility systems. - Ability to identify and review technical studies, interpreting and extracting relevant information. - Technical writing skills, ability to present technical information in easy-to-understand language. - Possession of an EIT or PE license.



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Job Duties	<ul style="list-style-type: none">- Evaluate individual water and wastewater utilities to identify areas in which improvements can be made to optimize the delivery of its core services and reduce costs.- Directly engage and interact with Moonshot Missions utility clients.- Apply the standardized Moonshot Missions method to engage with and support prospective and current utility clients, including researching background information about utilities, providing proposed solutions to utility challenges, and assisting with project implementation.- Support Moonshot Missions utility clients in generating ideas and moving through final implementation in the areas of engineering, operations and maintenance.<ul style="list-style-type: none">o Conduct evaluations of water and wastewater systems.o Develop scopes of work for water, wastewater and stormwater system technical projects.o Develop and evaluate the design of water and wastewater utility systems to provide optimization recommendations to clients.o Prepare technical reports and documents.- Engage with utility sector experts to provide field-tested solutions to Moonshot Missions utility clients.- Collaborate with the Moonshot Missions team to deliver optimal services to utility clients.- Research and participate in learning about field-tested and innovative water and wastewater utility solutions that can improve service delivery and reduce costs.- Develop Moonshot Missions modules, standard guidance documents that provide solutions and implementation steps to specific water and wastewater utility issues that can be applied by and among utility clients.- Ability to interact positively in an evolving, fast paced team environment.
Travel	<ul style="list-style-type: none">- Travel may be required, subject to funding and according to safety guidelines. MM will reimburse travel costs.
Where to apply?	<ul style="list-style-type: none">- Submit cover letter and resume to: jobs@moonshotmissions.org