



**American Samoa  
Power Authority**



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## PUBLIC JOB POSTING

<i>Position Title</i>	<b>Hydraulic Modeler Technician I</b>	<i>Posting Date</i>	<b>March 1, 2024</b>
<i>Department</i>	<b>Water Engineering</b>	<i>Deadline</i>	<b>Until Filled</b>
<i>Division</i>	<b>Water</b>		
<i>Position Type</i>	<b>Contract</b>	<i>Pay</i>	<b>Salary to commensurate with education and experience</b>
<i>Reports To</i>	<b>Senior Engineer</b>	<i>Job Grade/Status</i>	<b>Exempt</b>

### ***Major Duties & Responsibilities***

Modeler is responsible for the development, maintenance and operation of the water utility hydraulic model, and contribute to the planning of water system quality, efficiency and capacity improvements, to: effectively utilize the existing water system model on Infowater Pro software, which is a working model for both steady state and extended period simulations; calibrate and modify the existing water hydraulic model as needed; help improve water system service to our customers and reduce operating costs: run scenarios and analyze the water system model to incorporate proposed improvements; input proposed project changes to the water system to see the effects on the water system; and assist to train ASPA staff to use and run the hydraulic water model effectively.

### ***Minimum Requirements***

<i>Education</i>	Water Utility Hydraulic Modeler Technician I. Education: High School Diploma. Experience: 3 years minimum. Water Utility Hydraulic Modeler I. Education: Associate of Science or Associate of Applied Science degree (or equivalent). Experience: 3 years minimum.
<i>Experience</i>	Have at least 3 years' experience with modeling a public utility water system using the Infowater Pro modeling program with demonstrated knowledge of system hydraulics and hydraulic modeling software. Preference also to those who are proficient with WaterGEMS software as well.
<i>COVID 19 Vaccinations</i>	Applicant must show evidence of having completed the full course of vaccination against Covid19 as approved by the FDA & WHO.
<i>Skills, Abilities, Job Requirements</i>	<p>Knowledge of: Water distribution system engineering evaluations, design and modeling; be computer literate and proficient with Innovyze software products, especially Infowater Pro and ArcGIS; proficiency with WaterGEMS software preferred; Model building and options assessments.</p> <p>Skills to: Communicate effectively and regularly with project engineers on project progress and track completed work relative to agreed upon scope and goals. Manage modeling projects to ensure timely delivery and good quality work. Provide ASPA with modeling "best practices" advice to improve ASPA's modeling capabilities and capacity.</p> <p>Ability to: Develop, calibrate and apply working hydraulic models in both steady state and extended period simulations to analyze water distribution systems; Create hydraulic models for water distribution and water transmission systems based on GIS data, AutoCAD mapping and field surveys; Run model scenarios of calibrated model as requested by project engineers; Present model reports to project engineers and management; Prepare monthly progress reports to management; Be self-motivated to achieve and surpass position targets. Has a driver's license. Is physically fit and able to lift 50 pounds of weight.</p> <p><b><i>Additional Requirements:</i></b> Hold comparable certification from country of origin.</p>

***Qualified applicants:*** Please submit a completed ASPA employment application to ASPA, Tafuna (address listed above) by the deadline or via email to humanresource@aspower.com. Attach copies of credentials and transcripts. Candidates selected for hire must pass examinations (when applicable), pre-employment clearances & test negative on pre-employment drug test. ASPA reserves the right to waive education and experience requirements as necessary. No phone inquiries accepted.

*An Equal Opportunity Employer \* A Drug Free Workplace*