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CITY OF GLENDALE WATER SERVICES HONORED WITH ENVIRONMENTAL EXCELLENCE AWARD FOR INNOVATION

GLENDALE, Ariz. – The city of Glendale recently received an Environmental Excellence Award from Arizona Forward.

Submitted by Black & Veatch Corporation, the firm that consulted on the project, the city's Arrowhead Ranch Water Reclamation Facility Ultra-violet (UV) Disinfection Upgrade received an Award of Merit in the category of Governor's Award for Energy & Technology Innovation.

The new UV system at Glendale's Arrowhead Ranch Water Reclamation Facility is one of the first of its kind in Arizona. A project that came to fruition in July of 2013 after years of planning, this new technology allowed the city to continue to reduce the plant's annual power and operational costs by 72 percent, or \$250,000, and now produces the highest quality, most reliable, and safest treated reclaimed water for businesses and residents. The innovative design of the state-of-the-art system contains a unique disinfection technology, which uses UV light to kill germs, significantly reducing the need for chemicals compared to conventional disinfection treatment. As a result, this reduces energy consumption, carbon footprint, operating costs, and maintenance needs. The new UV system cut annual energy usage by over 1.2M kilowatt-hours (kWhs), a huge reduction in the plant's carbon footprint.

This project received a federal energy efficiency grant from the Department of Energy (DOE). Glendale coordinated with DOE to achieve significant energy savings. Federal websites feature this project as an example of a way to reduce energy consumption. City staff has also presented the Arrowhead energy optimization program at various statewide workshops as a means to help other municipalities reduce energy usage.

“The Arrowhead UV project is a good example of how upgrades to existing facilities can help save money and improve efficiency,” said Water Services Director Craig Johnson. “By continually looking for ways to improve our infrastructure, Glendale Water Services makes our resources go further.”

~ more ~

Water Services Award
Add 1.1.1

Arizona Forward was founded as Valley Forward in 1969, one year before the first Earth Day. Members of Arizona Forward represent large corporations and small businesses, municipalities and government agencies, educators, non-profits and concerned individuals working together on environmental initiatives. Throughout its history, Arizona Forward has advocated for a balance between environmental quality and economic development. For more information about Arizona Forward, visit www.valleyforward.org.

For additional information about the Arrowhead Ranch Water Reclamation Facility Ultra-violet project, and other Water Services projects and programs, visit www.glendaleaz.com/utilities.

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