News Release

Biwater's City of Altamonte Springs Project Receives International Award for Innovative Water Project, PureALTA

The International Water Association (IWA) has honored the City's pureALTA project with an industry leading award for Market-Changing Water Technology and Infrastructure

California, United States – 2 October 2018: At the IWA Project Innovation Awards in Tokyo, Japan, the City of Altamonte Springs' water treatment project, pureALTA, received a top award in the Market-Changing Water Technology and Infrastructure category. The award recognized the City's success in delivering forward-thinking applications and solutions to advance clean and safe water goals.

"We are proud to stand among such exceptional water projects," said Frank Martz, Altamonte Springs City Manager. "Water is essential for everyone on the planet, and we are focused on finding and sharing water preservation solutions. Taking steps to do so was a major goal for the City of Altamonte Springs, and we're deeply humbled to receive this international recognition."

The pureALTA project was created by the City as a proactive approach to address the community's water supply needs. It takes reclaimed water and treats it to meet or exceed all drinking water quality standards, using a cost effective and energy efficient system.

PureALTA uses a unique combination of four advanced water treatments: ozonation and biological activated carbon filtration (O_3/BAF), ultrafiltration (UF), granular activated carbon filtration (GAC) and ultraviolet light with advanced oxidation process (UV AOP). The purified water is returned to the City's reclaimed water system where it is used for irrigation.

This award-winning system treats approximately 28,000 gallons of water per day, with the potential to treat up to 500,000 gallons daily – about 5 percent of the City's future daily water demand without drawing from the aquifer.

St. Johns River Water Management District provided the grant funding to launch the project. The City partnered with Carollo Engineers to lead the project.

"In the most challenging aspect of our water business, direct potable reuse, Altamonte Springs has exhibited critical industry leadership," said Carollo Engineers Water Reuse

Practice Director Andrew Salveson. "Projects across the United States now point to Altamonte Springs as a guide for their future new water supplies."

The project was supported by Biwater Inc. who designed, supplied and commissioned the ultrafiltration system for the facility using Toray membranes.

"We are proud to have participated in this cutting edge facility. The City of Altamonte Springs and Carollo Engineers have delivered exceptional work, and we congratulate all involved on the project's success." said Jorg Menningmann, President, Biwater Inc.

This is the second time the pureALTA project has been recognised with an international industry award. In 2017, the City's pureALTA project was named the Innovative Project of the Year at the 32nd Annual WateReuse Symposium in Phoenix, Arizona.

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Photos:

Caption: pureALTA project team

Caption: pureALTA facility information walk-through display

Caption: Biwater's Ultrafiltration System

Caption: Aerial view of the pureALTA facility

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About Biwater:

Biwater provides large-scale water and wastewater solutions for clients across the world. Since its inception in 1968, Biwater have gained recognition for innovative approaches aimed at overcoming the world's most pressing water-related challenges. Throughout its history, the company has grown to meet the demands of many water-

stressed countries and their burgeoning populations. It has a successful record of accomplishment, having completed over 25,000 projects in over 90 countries – financing, consulting, process engineering, designing, constructing, operating, maintaining and owning water facilities – in both rural and urban environments.

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