



News Release

'H2Oaks Center BWRO plant, San Antonio, Texas' shortlisted for Municipal Desalination Plant of the Year in the 2018 Global Water Awards

California, United States – 2 March 2018: Voting has opened for the 2018 Global Water Awards, which recognise important achievements in the water industry on an annual basis. In the Municipal Plant of the Year category this year, the state-of-the-art 'H2Oaks Centre BWRO plant, San Antonio, Texas' has been shortlisted.

As the reverse osmosis (RO) system supplier for this brackish desalination project, Biwater Inc. was responsible for the design, supply and commissioning of the high recovery RO system, as well as the design of ancillary equipment.

The Global Water Awards shortlist write-up highlights that, "The H2Oaks Center is the only facility in the US that produces potable water from three different feedwater sources ...the facility is fully automated with supervisory controls and data acquisition systems, and the entire process – from wellfield through to concentrate disposal wells – runs without a single break tank...one of the first major municipal water projects in Texas to utilise state legislation authorising alternative delivery methods" (Source: globalwaterawards.com).

The plant was successfully commissioned in 2017. It is located at the San Antonio Water System Twin Oaks Aquifer Storage and Recovery Site in a dedicated building called the 'H2Oaks Center'. The building includes allocated space to house desalination equipment for subsequent phases.

Technical overview: The Phase I facility produces 45 MLD (12 MGD US) of finished water from 7.5 MLD (2 MGD US) of filtered well water blended with 37.8 MLD (10 MGD US) of RO permeate water. The plant achieves 90% recovery by the inclusion of four 8.4 MLD (2.22 MGD US) primary RO trains and two 2.1 MLD (0.56 MG US) secondary concentrator RO trains.

Raw water comes from a combination of wells between 1200 and 1800 feet deep and the quality is expected between 1300 and 1500 ppm total dissolved solids. Brine disposal is via 'Class 1' injection wells. Finished water quality meets all federal and local drinking water standards.

Voting:

- You will be issued with a unique URL via email to cast your vote if you are subscribed to Global Water Intelligence, Water Desalination Report or if you are an early bird registrant for the 2018 Global Water Summit
- Voting closes at midnight on 31 March 2018 – remember to vote for us!

– ENDS –

Photos:



Caption: 'H2Oaks Center'



Caption: Reverse osmosis hall

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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 has gained recognition for its innovative approach 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.

Membrane Treatment and Desalination Centre of Excellence:

Biwater's Membrane Treatment and Desalination Centre of Excellence (Biwater Inc.) is a premier membrane system designer and supplier producing high purity drinking, process and reuse water for both municipal and industrial clients. The Group currently has more than 450 MGD of installed membrane treatment capacity globally utilizing MF, UF, MBR, NF and RO technologies.

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