



# WIN

## WATER INNOVATIONS AND NETWORKING WORKSHOP

Brent Alspach, P.E., BCEE

Arcadis, Associate Vice President & Director of Applied Research

Mr. Alspach is an Associate Vice President with Arcadis and serves as the company's Director of Applied Research. He is an internationally recognized authority on membrane filtration and desalination processes, with experience including: applications development, process planning and design, piloting, equipment procurement, integrity testing, start-up and commissioning, troubleshooting, concentrate / residuals management, and system permitting. He has conducted seawater desalination planning studies and concept design for facilities in the United States, the United Kingdom, Australia, and Mexico. He was also involved with the design and construction of the 50 MGD seawater desalination plant in Carlsbad, CA. Mr. Alspach is a Past President of the American Membrane Technology Association (AMTA) and is a contributor to the American Water Works Association (AWWA) Manuals of Practice for reverse osmosis / nanofiltration (M46), seawater desalination (M61), and inland desalination and concentrate management (M69). His work regarding the integration of desalinated water into existing distribution systems was honored with the Best Paper award at the 2012 AWWA Membrane Technology Conference, and his work on zero-liquid discharge (ZLD) garnered the runner-up award for Best Paper at the 2016 MTC. His 200+ publications and professional presentations include invited engagements from Sandia National Laboratories, the China Water Show, Urban Water Institute, Multi-State Salinity Coalition, American Society of Civil Engineers, WaterReuse Association, AWWA, and Southwest Membrane Operators Association, and he is honored to add the USBR WIN Workshop to this list. In his purported spare time, he enjoys visiting baseball stadiums across the country and has to notch only one more to reclaim the ephemeral distinction of having seen a game in all 30 MLB active MLB venues.