

ANDREW “ANDY” PHELPS

Retired Principal Vice President
Bechtel Corp.



Andrew “Andy” Phelps retired in July 2017 after a 40+ year career with Bechtel. His most recent role was Principal Vice President and Global Manager of Operations for Bechtel’s mining and metals business, where he oversaw the design and construction of five copper concentrators, three aluminum smelters, one alumina refinery, one bauxite mine, one potash mine, and the world’s second-largest desalination plant. Andy is an eight-time project manager and five-time operations manager overseeing more than a dozen megaprojects on five continents.

Prior to working in mining, Andy led several projects and was instrumental in a number of organizational transitions, including the restructuring of the British Nuclear Industry for the British government, restructuring of the Oak Ridge and Los Alamos complexes under contract to the U.S. Department of Energy, Mississippi’s response to Hurricane Katrina, and Saudi Arabia’s response to the Persian Gulf oil spill during the first Gulf War. He led a number of environmental remediation projects, including FMC’s elemental phosphorous facility in Pocatello, Idaho, and Chevron’s Ortho chemical plant in Richmond, California. He was a White House Fellow through the President’s Commission on Executive Exchange during the George H.W. Bush administration.

Andy is a registered Professional Engineer in California and Tennessee and a Board Certified Environmental Engineer. He holds a bachelor’s degree in civil engineering from the Georgia Institute of Technology and has completed post-graduate studies at Harvard’s Kennedy School of Government and the University of Tennessee. He was honored in 2015 by the American Society of Civil Engineers with their highest recognition, an Outstanding Projects and Leaders (OPAL) Lifetime Achievement Award. He was elected an Honor Member of Chi Epsilon at the University of Tennessee for his contributions to the college. He recently completed a six-year term on the External Advisory Board for the School of Civil and Environmental Engineering at Georgia Tech.

Andy is married to Barbara Phelps, and they have two sons: Edward, an assistant professor of biomedical engineering at the University of Florida, and Michael, a control systems engineer working for Honeywell in Houston. The two boys and their partners are all graduates of Georgia Tech.