Johney Green

Johney Green is Director of Savannah River National Laboratory (SRNL) and President and CEO of Battelle Savannah River Alliance, LLC., the organization that operates SRNL for the U.S. Department of Energy. As laboratory director, Green leads the lab's strategic direction in national security, environmental stewardship, and energy resilience. He oversees a over $400 million of business volume and a workforce of more than 1,400.

Prior to serving as laboratory director of SRNL, Green served as the Associate Laboratory Director for Mechanical and Thermal Engineering Sciences at the National Renewable Energy Laboratory (NREL). For more than eight years, he oversaw NREL's transportation, buildings, wind, water, geothermal, advanced manufacturing, concentrating solar power, and Arctic research programs; managing a portfolio of more than $300 million. While at NREL, Green transformed the lab's legacy Wind Site into the Flatirons Campus – a multi-program research campus, and he was instrumental in developing the Advanced Research on Integrated Energy Systems (ARIES) research platform, uniquely designed to help validate future integrated energy systems.

Green also held leadership roles at Oak Ridge National Laboratory (ORNL) as Director of the Energy and Transportation Science Division and Group Leader for Fuels, Engines, and Emissions Research. Green managed a broad science and technology portfolio and user facilities that made significant science and engineering advances in building technologies; sustainable industrial and manufacturing processes; fuels, engines, emissions, and transportation analysis; and vehicle systems integration. During his tenure as a division director, ORNL developed the Additive Manufacturing Integrated Energy (AMIE) demonstration project, a model of innovative vehicle-to-grid integration technologies and next-generation manufacturing processes.

Early in his career, Green conducted research on stabilizing gasoline engine operation under extreme conditions and later, with Ford Motor Co., sought ways to simultaneously extend exhaust gas recirculation limits in diesel engines and reduce nitrogen oxide and particulate matter emissions.

Green is a fellow of the American Association for the Advancement of Science and an SAE International fellow. He serves on the Defense Science Board and other advisory boards, including the Georgia Institute of Technology, the University of Tennessee, and the University of Memphis. Green was the recipient of National GEM Consortium Fellowship and served as the organization's chairman of the board from 2022-2024. He holds two U.S. patents in combustion science, has an h-index of 34 with over 4500 citations, is the lead or co-author of several technical publications, and has given many invited, keynote, and plenary presentations.

Green holds a bachelor's degree in mechanical engineering from the University of Memphis and a master's and doctorate in mechanical engineering from the Georgia Institute of Technology.