



Dr. Joan B. Woodard
Executive Vice President and
Laboratories Deputy Director

Dr. Joan Woodard is the Executive Vice President and the Deputy Director for Sandia National Laboratories. She is responsible for Sandia's programs, operations, staff, and facilities; for developing policy and assuring implementation; and is responsible for strategic planning for the laboratory, mission direction and quality of program performance. She chairs the laboratory management councils for Mission and for Risk Management Oversight, each comprised of the appropriate laboratory vice presidents. She also has the responsibility for the independent assessment of weapons' safety, security, and reliability for Sandia.

Prior to her current appointment, Woodard was Vice President of the Energy, Information, and Infrastructure Technology Division. Her responsibilities included energy-related projects in fossil energy, solar, wind, geothermal, geosciences, fusion, nuclear power safety and severe accident analysis, and medical isotope processing; environment-related programs in remediation, nuclear waste management and repository certification, and waste minimization; information technology programs in information surety, command-and-control systems, and distributed information systems; and programs responsible for security of the transportation of nuclear weapons and special nuclear materials, and safety of commercial aviation.

Woodard joined Sandia in 1974 and conducted research in areas ranging from economic analyses of energy technologies and heat transfer phenomenon during combustion processes to waste management and pollution prevention. As Director of the Environmental Programs Center, she managed research and development programs including site characterization and remediation technology, and radioactive material transportation technology, mixed waste separation processes and materials. She has worked in the national security and weapons programs of the lab leading a materials support group and managing the Neutron Generator and Explosives Component Center.

Joan currently serves on external panels and boards including the Intelligence Science Board (ISB) and the Congressional Commission to assess the vulnerabilities of the US infrastructure to Electromagnetic Pulse. She serves as a member to the Army Science Board (ASB) study on Force Protection, as a member of the Defense Science Board (DSB) study on Homeland Security, and co-chairs the National Reconnaissance Office Board (NRO) for National Security Space (NSS). She also served on the National Academy Study on S&T for countering Terrorism resulting in the publication report, "Making the Nation Safer." Joan is a lifetime member of the Society of Women Engineers; a member of the New Mexico Women's Forum; a member of the University of Missouri-Rolla Dean's Board of Visitors; a member of the University of New Mexico School of Engineering Board of Visitors; a member of the Kirtland Honorary Commanders Advisory Council; and a member of the Family Security Group Board of Advisors, Center for Security Policy. She serves on the Board of Directors of Bosque School and the Board of Directors for the Greater Albuquerque Chamber of Commerce.

Woodard holds a Ph.D. in Mechanical Engineering (Thermal Sciences) from the University of California, Berkeley; a M.S. in Engineering Economic Systems from Stanford University; and a B.S. in Applied Mathematics and Computer Science from the University of Missouri, Rolla (magna cum laude). She has been elected to the Phi Kappa Phi Honor Society.

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