



Steve Winberg
Assistant Secretary for Fossil Energy
U.S. Department of Energy

As Assistant Secretary, Steve Winberg is responsible for the management and oversight of FE's research and development program, encompassing coal, oil, and natural gas, as well as the Office of Petroleum Reserves. Prior to joining DOE, Mr. Winberg served as a senior level executive with proven expertise in fossil energy research & development, energy policy, strategic planning, business development and sales management. He is a specialist in emerging fossil energy technologies affecting the environment and end-use applications with extensive experience in fuels, emerging technologies, renewables, energy regulation, Department of Energy Cooperative Agreements, global energy markets and government relations. He holds patents related to NOx reduction technologies.

Mr. Winberg has 40 years of successful senior corporate management, enabling the development of coal and natural gas technologies for both production and end-use; including emission control technologies, near-zero emission technologies (including CCUS technologies), and improved efficiency power production technologies from early stages, through engineering development and demonstration, and commercial deployment. He has extensive experience working with prime users and owners of gas and coal-based power, fuel generation, and delivery technologies, including an extensive understanding of the Federal Government's business practices and the role it plays in shaping the Nation's energy policies.

Mr. Winberg began his career at the engineering firm Foster Wheeler as an engineer on coal-fired utility boilers. From there, he spent 14 years with Consolidated Natural Gas working in a

variety of positions before becoming Vice President for CONSOL Energy Research & Development. Immediately prior to coming to DOE, Mr. Winberg served as a Senior Program Manager at Battelle Memorial Institute.

Over the span of his career, Mr. Winberg has participated in a number of policy and energy initiatives. He has also gained extensive experience in numerous energy technologies, including advanced fossil energy combustion, coal-to-liquids, fluidized bed combustion, emulsified fuels, fuel cells, alternative fuel vehicles, and carbon utilization.