

BIOGRAPHY OF WITNESS

THE HONORABLE PAUL M. DABBAR

FORMER UNDER SECRETARY FOR SCIENCE

U.S. DEPARTMENT OF ENERGY

**BEFORE THE HOUSE ENERGY AND COMMERCE COMMITTEE,
SUBCOMMITTEE ON ENERGY, CLIMATE, AND GRID SECURITY**

**ON THE ROLE OF ARTIFICIAL INTELLIGENCE IN POWERING
AMERICA'S ENERGY FUTURE**

OCTOBER 19, 2023

The Honorable Paul M. Dabbar is a Senior Research Scholar at Columbia University at the Center on Global Energy Policy, and is CEO and Co-founder of Bohr Quantum Technology, a spin out of Caltech, developing and deploying technologies for the emerging quantum internet.

He is also a Wall Street Journal editorial page contributor, an advisory board member at Clearpath, and a fellow at the Council on Competitiveness. He is also a member of the Board of Directors of Power & Digital Infrastructure Acquisition Corp II, and an advisor to Warburg Pincus, Energy Capital Ventures and Transition Equity Partners. And he continues to formally advise the national security efforts of the U.S.

Prior to that in 2017, the U.S. Senate with unanimous consent confirmed him as the Department of Energy's fourth Under Secretary for Science. He managed several areas of DOE, and he served as the Dept's principal advisor on fundamental energy research, energy technologies, science, and commercialization of technologies. He managed over 60,000 people with a budget of \$15 billion p.a. at over 100 sites, managing the majority of the U.S. National Labs. He also ran the Environmental Management program at the Dept., managing over \$500 billion in nuclear liabilities resulting from National Nuclear Security Administration and nuclear power operations. He led the commissioning of the Summit supercomputer, regaining the

#1 supercomputer status for American from China, managed the Exascale computing program, and the AI for Science Initiative. He also implemented the largest portion of the National Quantum Initiative, and generated and co-authored the Quantum Internet Blueprint.

He is also one of the few people to have traveled to both the geographic North and South Poles (90°N/90°S), both during government service: to the North Pole by submarine to conduct military missions and environmental research while in the Navy, and to the South Pole in support of high energy physics astronomy missions of DOE at South Pole Station.

Prior to confirmation as Under Secretary, He worked in operations, finance, and strategy roles in the energy and national defense sectors. As Managing Director at J.P. Morgan, he had over \$400 billion in transaction experience across all energy sectors. In addition, he had a senior leadership role for the company's commodity trading business, including energy. Before J.P. Morgan, he was a nuclear submarine officer, and worked at the Johns Hopkins University Applied Physics Laboratory. He is a graduate of the U.S. Naval Academy and Columbia University.