



Joseph DeCarolis

Administrator

Duties

Dr. Joseph DeCarolis was confirmed Administrator of the U.S. Energy Information Administration (EIA) on March 31, 2022.

Dr. DeCarolis provides leadership, planning, and direction to fulfill the agency's role as the nation's premier source of independent, impartial energy information. To accomplish this, he oversees a wide range of statistical, analytical, and dissemination activities that enable the mission. He also serves as a primary spokesperson for the agency, representing EIA in key government and industry forums.

Biography

Before his appointment as EIA Administrator, Dr. DeCarolis served as a professor in the Department of Civil, Construction, and Environmental Engineering at North Carolina State University (NC State). He also previously worked as an environmental scientist in the U.S. Environmental Protection Agency's Office of Research and Development, where he engaged in energy systems modeling to quantify the air pollution impacts from future energy system development.

His career and publications have centered on addressing energy and environmental challenges as they relate to engineering, economics, and public policy. His core research involves developing and applying energy system models to examine energy futures under uncertainty. The modeling work has focused on maximizing transparency, partly through open source code and data and partly by developing a toolkit to rigorously assess future uncertainty. He has also engaged in collaborative research focused on conducting techno-economic assessments of various energy technologies, integrating building energy simulation into the architectural design process, and applying life-cycle assessment to solid waste management.

His distinguished honors and awards include the NC State Outstanding Teaching Award, NC State Alcoa Foundation Engineering Research Achievement Award, the American Society for Engineering Education Outstanding New Teacher Award (Southeastern Section), and the National Science Foundation CAREER Award. He was also named a University Faculty Scholar at NC State.

Dr. DeCarolis received a PhD in engineering and public policy from Carnegie Mellon University, and he holds a BS in physics and environmental science and policy from Clark University in Worcester, Massachusetts.



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