

W. Phillip “Phil” Webster, PhD

Post Retirement Environment and Sustainability Activities

- Community Service
 - Co-Lead of Unitarian Universalist Congregation of Columbia Climate Crisis Team
 - Climate Change Lead Advocate, Unitarian Universalist Legislative Ministry of Maryland. Advocate for Climate Justice and Climate Affirming Legislation in the Maryland General Assembly for Maryland Unitarian Universalists.
 - Steering Committee, Electrify HoCo. Advocating for Electrification of new and substantial upgrades to buildings in Howard County.
 - Steering Committee, Maryland Climate Coalition. Advocating for passage of the Clean Energy Jobs Act of 2019 and other climate legislation
- Personal
 - Installed a Geothermal heat pump system to replace a methane gas furnace.
 - Purchased 2 EVs, 2017 and 2020
 - Upgraded windows with high performance triple pane units.

Employment History

- NASA Goddard Space Flight Center – Earth Sciences Division (1998-2017)
 - Retired as Director of Weather and Climate SuperComputing
 - Largest NASA computing system of Climate and Weather simulation, data analysis and storage.
 - Scientific Visualization Studio – Award winning simulation and visualization of climate, weather, and oceanographic data.
- US Air Force – Civilian Employee
 - Office of the Secretary of Defense High Performance Computing Modernization Program (1994-1998)
 - Directed acquisition, implementation, and oversight of 13 SuperComputing Centers supporting US military scientists and engineers.
 - Wright Patterson Air Force Base (1987-1994)
 - Supervisory Computer Scientist – Managed an Award Winning team of Computation Aerodynamicist
 - Computer Scientist – Conducted basic Computational Fluid Dynamics research on aircraft components.
 - Personal Activity – designed, built, and occupied a passive solar house.
- US Department of Energy
 - Morgantown Energy Technology Center (1986-1987)

Education

- PhD Mechanical Engineering, Pennsylvania State University, Aug 1986
 - Thesis: *Condensation on a Flat Place with a Row of Film Cooling Holes.*
- Master of Mechanical Engineering, North Carolina State University, Aug 1982
 - Master’s Project: *Insulation in a Passive Solar House*
- BS Mechanical Engineering, North Carolina State University, May 1981
- BA Political Science, University of North Carolina, Dec 1975