



The 2030 Challenge was a direct call to action issued by Edward Mazria to significantly reduce greenhouse gases released into the environment from the commercial building sector by the year 2030. This set a goal for the architectural and engineering industry to change the way buildings are designed to generate as much energy as they use. This concept of "Net-Zero Energy" is a new way to design and build next-generation climate responsive buildings that can dramatically reduce consumption of fossil fuels, and put us on a path to achieve the 2030 Challenge.

Edward Mazria is an architect, author and educator. After receiving his Bachelors of Architecture Degree from Pratt Institute in 1963 he spent two years as an architect in the Peace Corps in Arequipa, Peru. He later worked with the firm of Edward Larabee Barnes in New York before completing his Master's Degree and beginning a teaching and research career at the University of New Mexico in 1973. His architecture and renewable energy research at both UNM and the University of Oregon established his leadership in the field of resource conservation and passive heating, cooling and daylighting design. His design methodology, developed at that time and presented in *The Passive Solar Energy Book*, is currently in use worldwide. Since forming the architecture and planning firm Mazria Associates, Inc. in 1978, he has completed award winning architecture and planning projects from the day-lit Mt. Airy Public Library in North Carolina to the Rio Grande Botanic Garden Conservatory in New Mexico

Most recently Mazria has reshaped the national and international dialogue on climate change to incorporate building design and the "Building Sector". His research includes U.S. and global building sector analysis and greenhouse gas mitigation strategies. He is the architect of both the AIA's position statement and the U.S. Conference of Mayor's Resolution #50 adopting the "2030 Challenge" as a means of dramatically reducing building sector greenhouse gas emissions. His article, *Blueprint for Disaster*, outlines his strategy for addressing what he believes is today's most pressing global challenge, climate change.^[3]

He is the founder of Architecture 2030, an organization committed to protecting our global environment by using innovation and common sense to develop and quickly implement bold solutions to global warming. He currently speaks nationally and internationally on the subject of climate change and architecture and serves as a senior analyst for the Southwest Climate Council. He is also senior principal with the architecture and planning firm of Mazria Inc. in Santa Fe, NM.

