

# Architecture 2030

Diana Chan

# What is it:

US-based organization started by Edward Mazria committed to averting the climate crisis through policy change and education; committed to a carbon-neutral building sector by 2030



# Who is Mazria:

1963 Pratt B.Arch grad;  
architect in Peace Corps in Peru;  
2011 Purpose Prize winner

TODAY'S PRESENTATION

3:00 PM EDT / Noon PDT

**Edward Mazria**

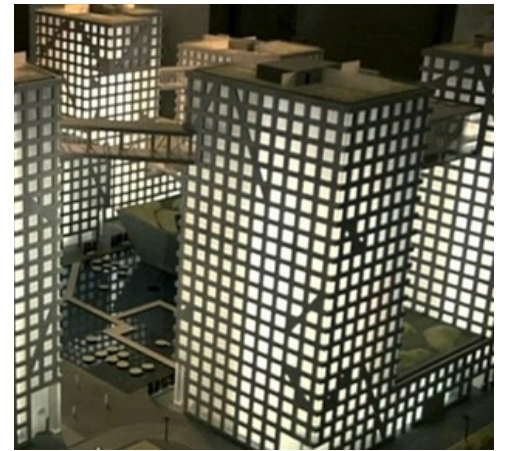
Architecture 2030

The Next Built Environment



# Why the building sector:

buildings emit 47% of CO<sub>2</sub> in the US;  
buildings consume 76% of all electricity in the US;  
buildings consume 49% of all energy in the US;



# What is its challenge:

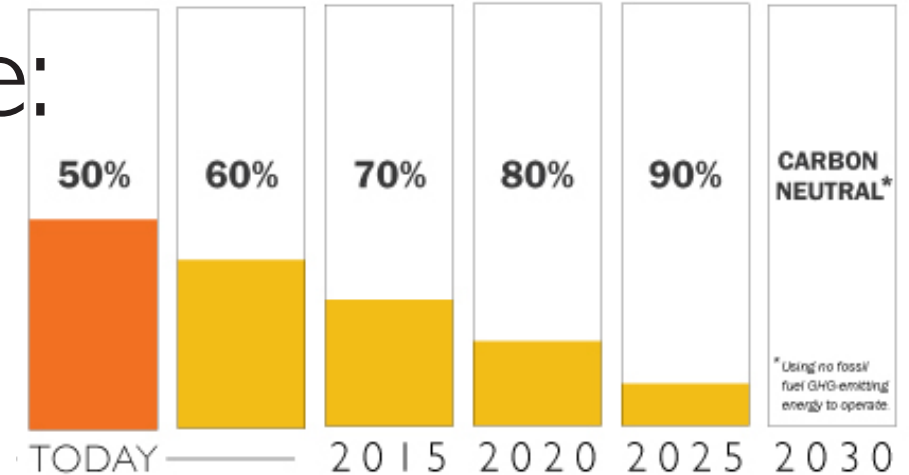
the fossil fuel reduction standard for all new buildings and renovations shall be

70% in 2015

80% in 2020

90% in 2025

carbon-neutral in 2030



# Why now:

we build 10 billion square feet of space each year;  
75% of the built environment will be new or  
renovated by 2035



# Why China:

by 2025 65% of China will live in urban areas and China will have 221 cities with over 1 million; in the next 15 years, China will need to build houses for 400 million--comparable to rebuilding all the housing in the US



# How hard can it be:

China is unlikely to go carbon-netral. Acording to Yun Du, China lacks support and resources, projects are fast-paced, compromised by time and money, and western skyscrapers will keep growing in the manufactured and mass produced culture



# What can we hope for:

education of sustainable practices across all disciplines to engage humanity, and to engage humanity to collaborate and compromise in hopes that clients will demand sustainable design

