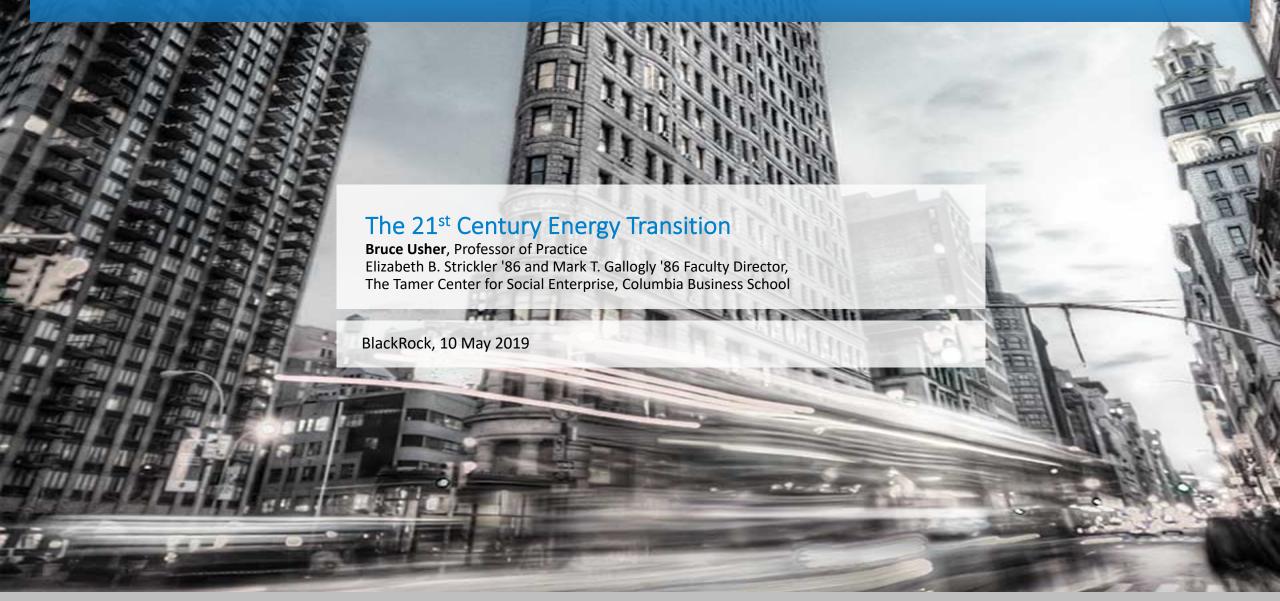
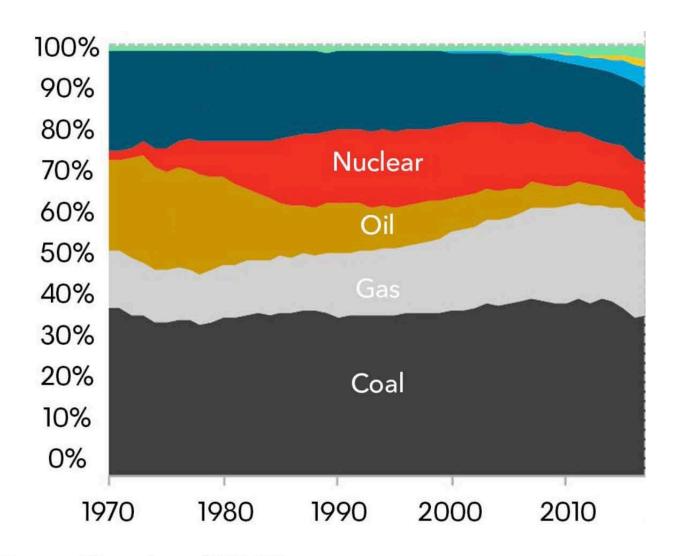
Columbia Business School AT THE VERY CENTER OF BUSINESS™

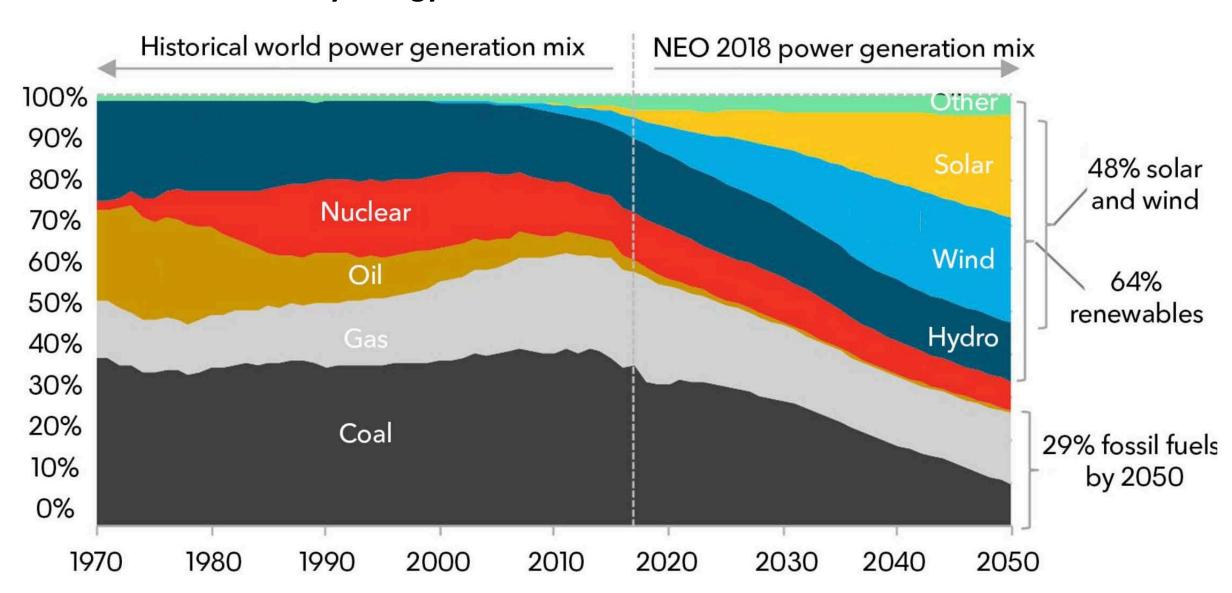


Historical World Power Generation Mix



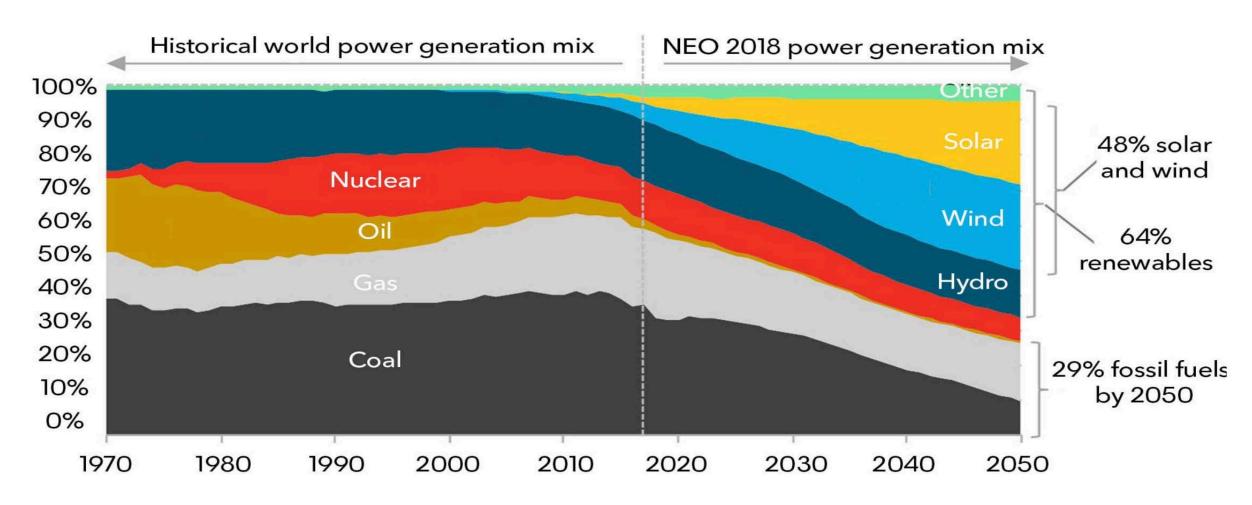
Source: Bloomberg NEF, IEA.

The 21st Century Energy Transition from Fossil Fuels to Renewables



Source: Bloomberg NEF, IEA.

The 21st Century Energy Transition from Fossil Fuels to Renewables



"The mix of fuels used in power generation is set to shift materially." BP Energy Outlook
"The energy transition is unstoppable." Ben van Beurden, CEO, Royal Dutch Shell

The 21st Century Energy Transition: Drivers of Change

Renewable Energy





The 21st Century Energy Transition: Drivers of Change

Energy Storage

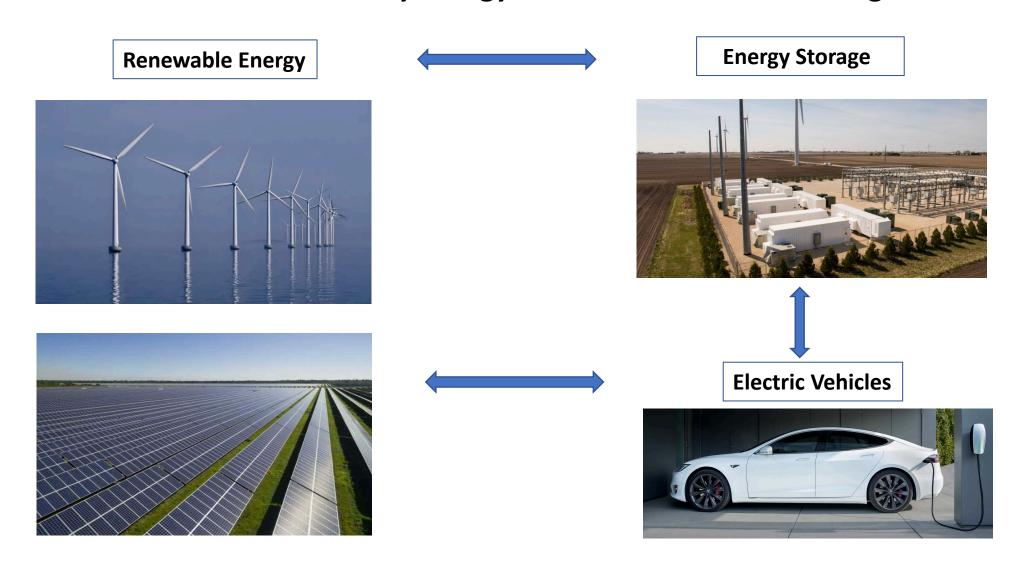


The 21st Century Energy Transition: Drivers of Change

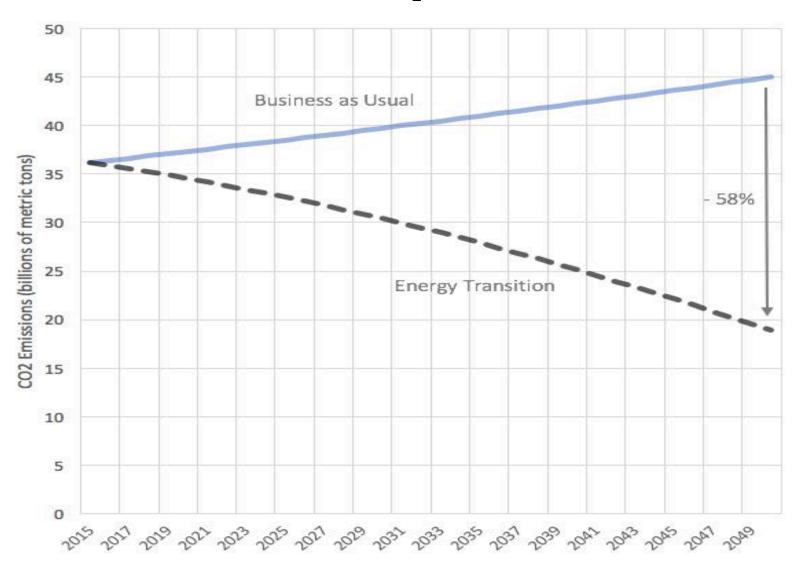
Electric Vehicles



The 21st Century Energy Transition: Drivers of Change

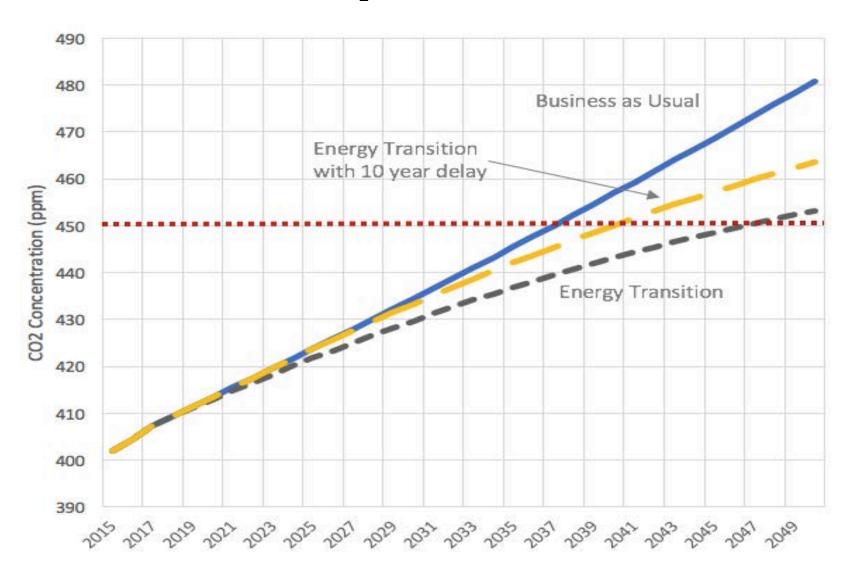


Annual CO₂ Emissions



Source: IRENA ReMap, Bruce Usher

CO₂ Concentration



Source: IRENA ReMap, Bruce Usher

Conference Agenda

Investments in the Renewable Energy Transition



David Giordano

Managing Director, Renewable Power Group
BlackRock Alternative Investors



Geoffrey Heal
Donald C. Waite III Professor of Social Enterprise
Columbia Business School

The Role of Storage in the Energy Transition



Alan West

Samuel Ruben-Peter G. Viele Professor of Electrochemistry; Professor of Chemical Engineering and of Earth and Environmental Engineering; Chair of Chemical Engineering

Columbia University

Coffee break

The Transition to Electric Vehicles



Jiong Ma Senior Partner Braemar Energy Ventures



R.A. Farrokhnia '04

Executive Director, Dean's Office

Adjunct Associate Professor of Business, Economics

Columbia Business School

The Impact of China's Climate Policy on the Energy Transition



David Sandalow
Inaugural Fellow
Center on Global Energy Policy, Columbia University's School of
International and Public Affairs

Possible Climate Change Futures: Warming, Impacts, and Uncertainties



Kate Marvel Associate Research Scientist NASA GISS

Closing Remarks



Peter deMenocal

Thomas Alva Edison/Con Edison Professor of Earth and Environmental Sciences;

and Director, Center for Climate and Life Lamont-Doherty Earth Observatory; Dean of Science, Faculty of Arts and Sciences