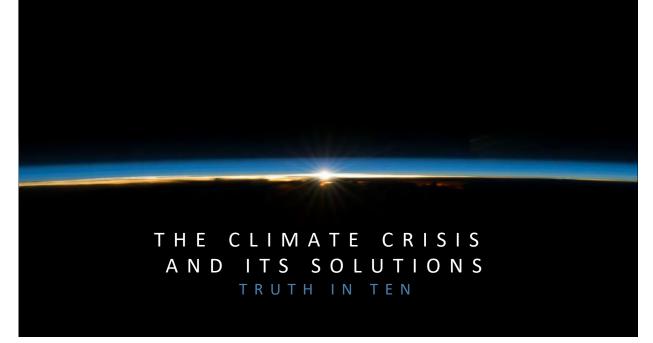
#### THE CLIMATE REALITY LEADERSHIP CORPS GLOBAL TRAINING

48<sup>th</sup> in the Series

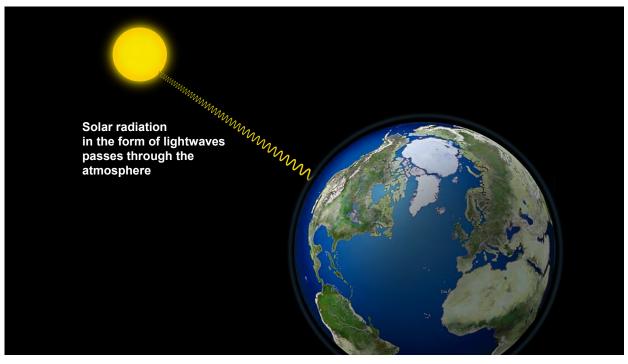


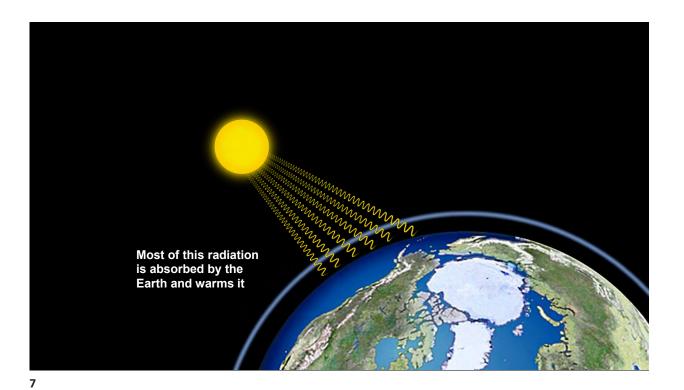


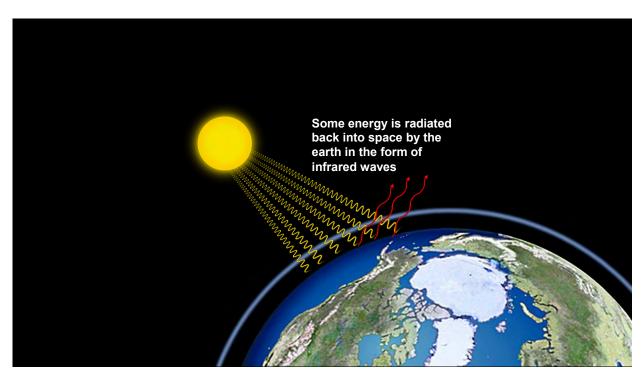


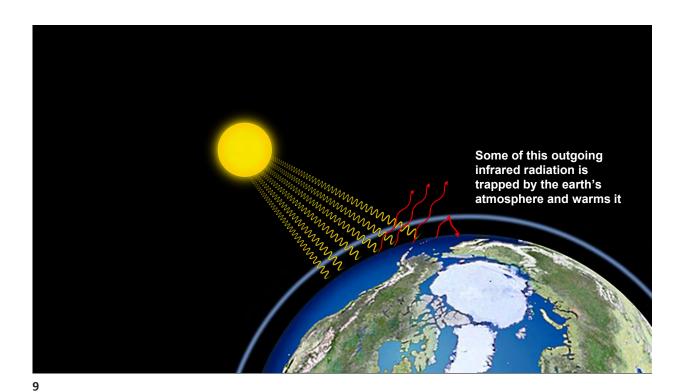
- 1. Must we change?
- 2. Can we change?
- 3. Will we change?

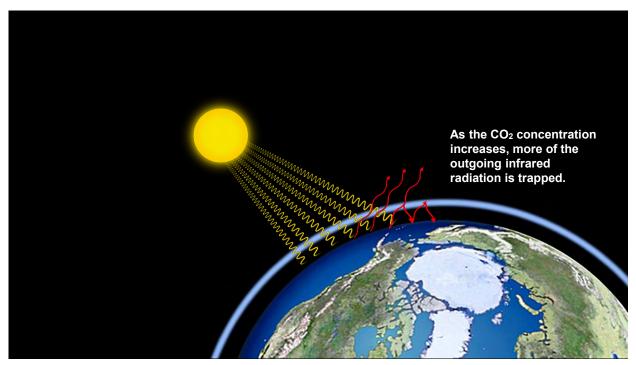
#### 1. Must we change?

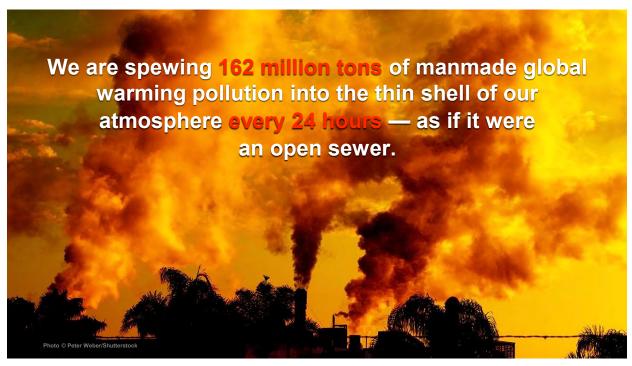












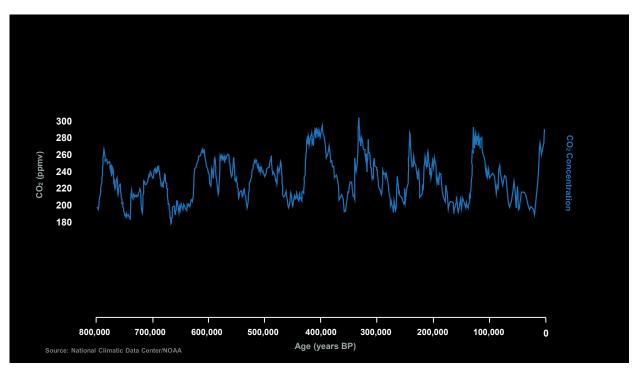


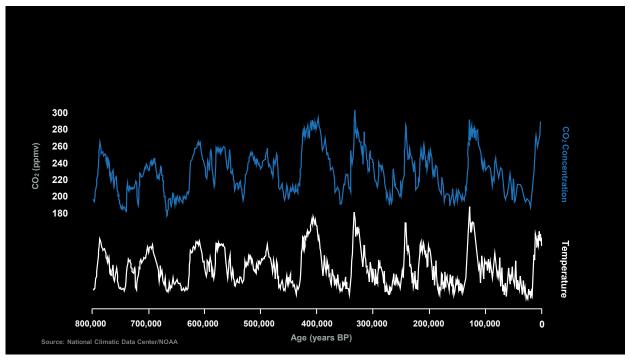
### The energy trapped by man-made global warming pollution is now "...equivalent to exploding

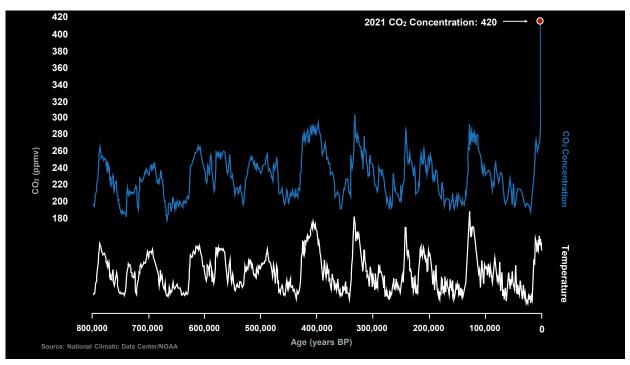
600,000

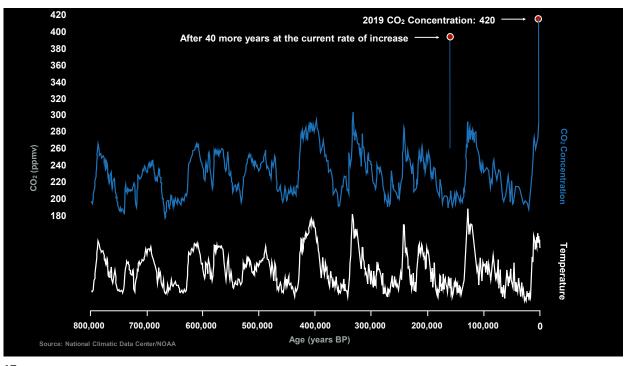
First-generation atomic bombs per day 365 days per year."

James Hansen
Former Director, NASA Goddard Institute for Space Studies

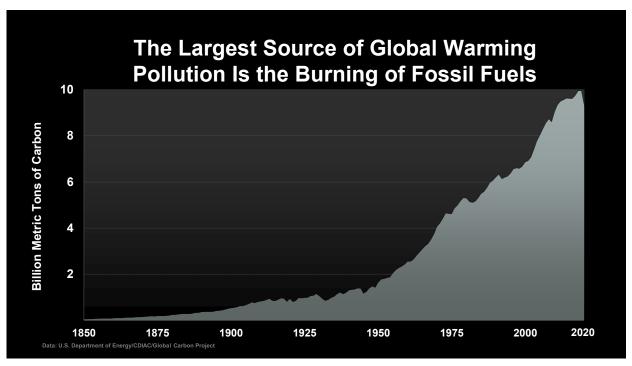




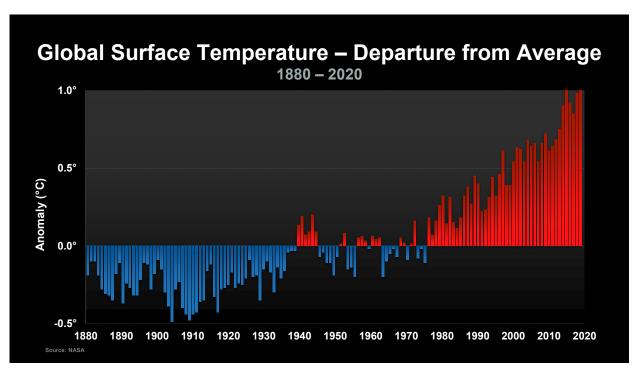


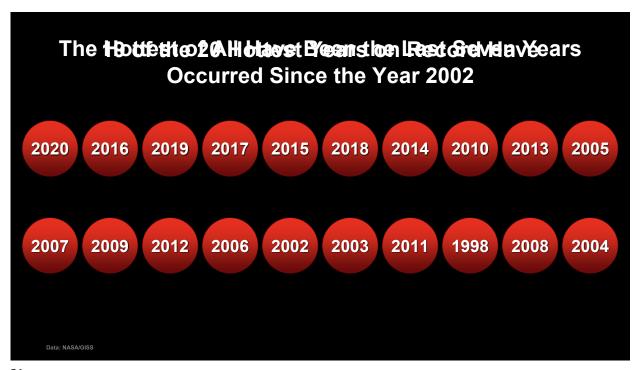


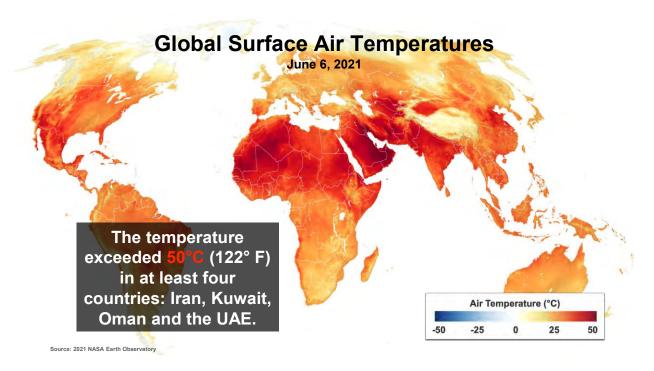






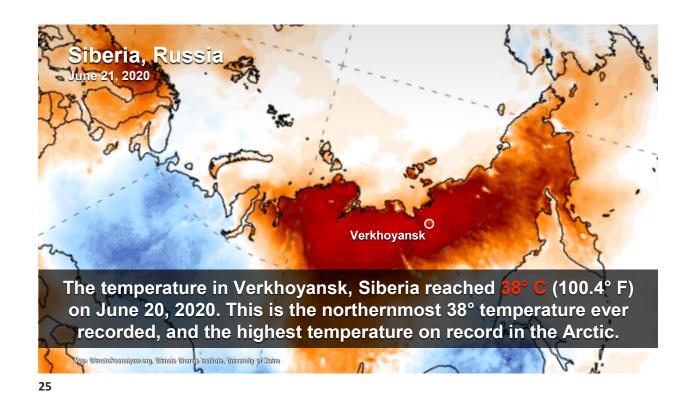


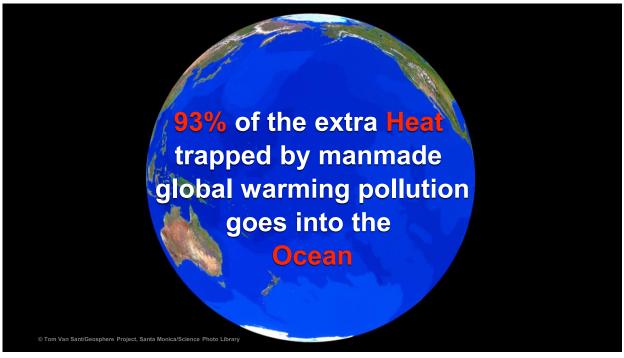


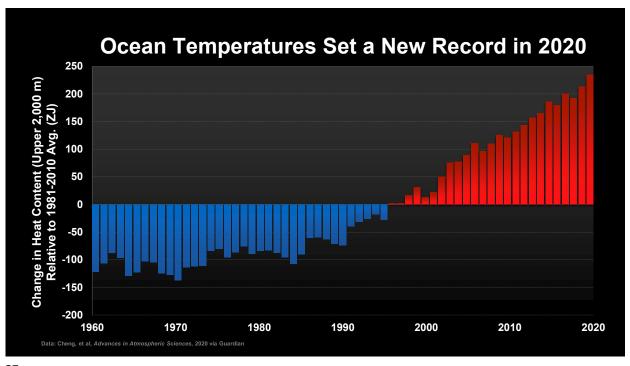


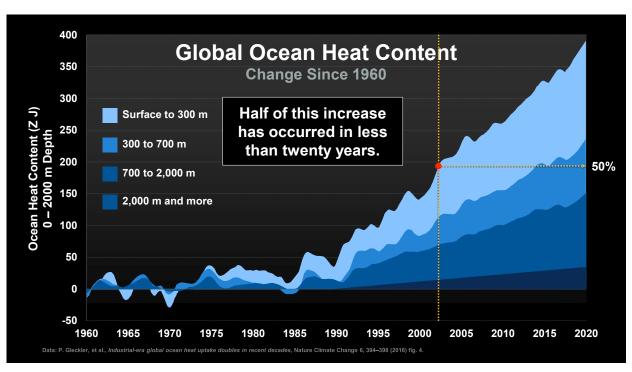


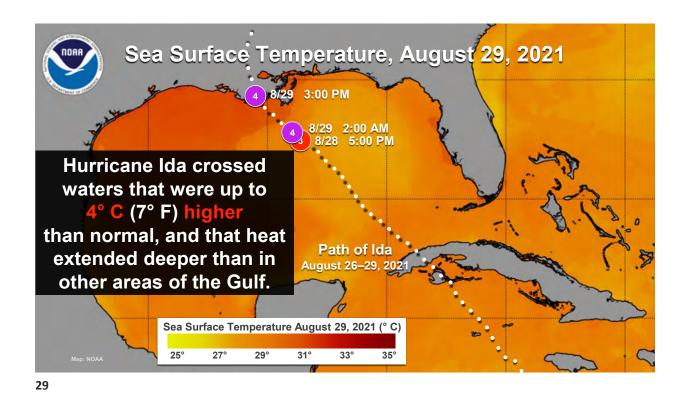








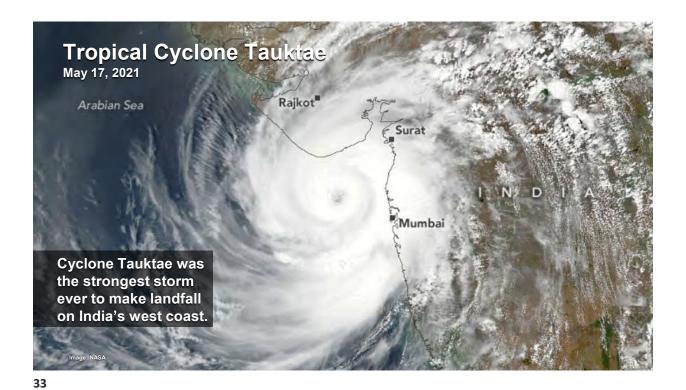














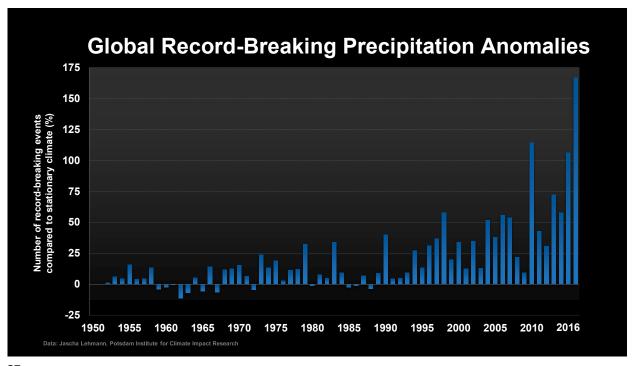
## "...the gravest effects of all attacks on the environment are suffered by the poorest."

Encyclical Letter of
His Holiness, Pope Francis
On Care for our Common Home
June 18, 2015

35

As Temperatures Increase, the Oceans Evaporate More Moisture into the Sky

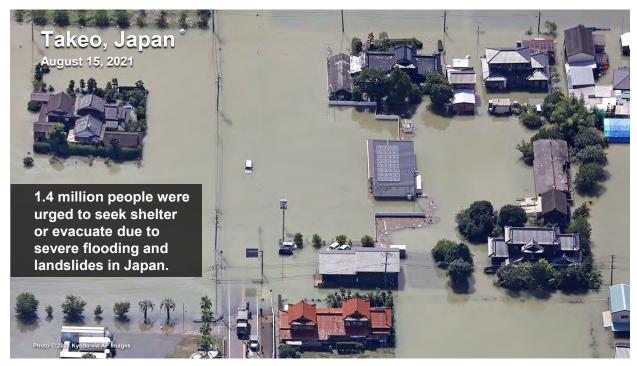
Source: Oak Ridge National Laboratory, National Center for Computational Sciences





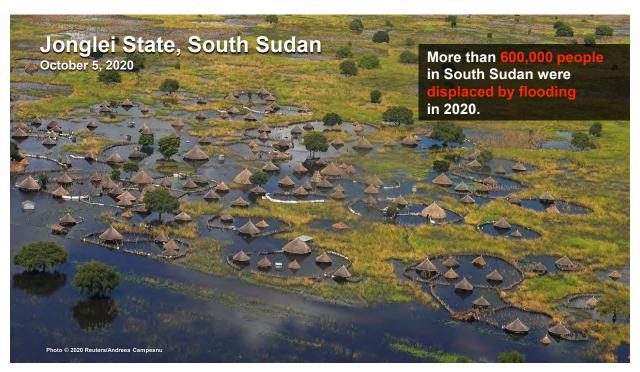








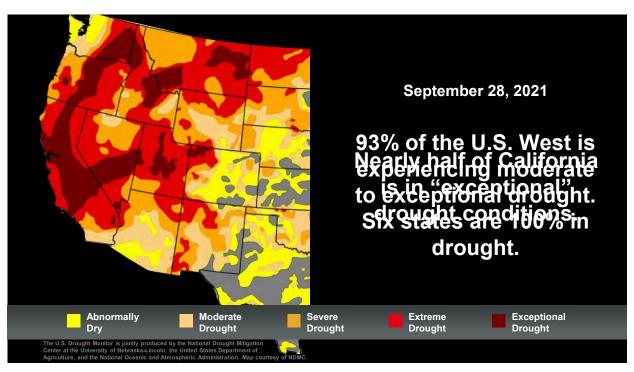


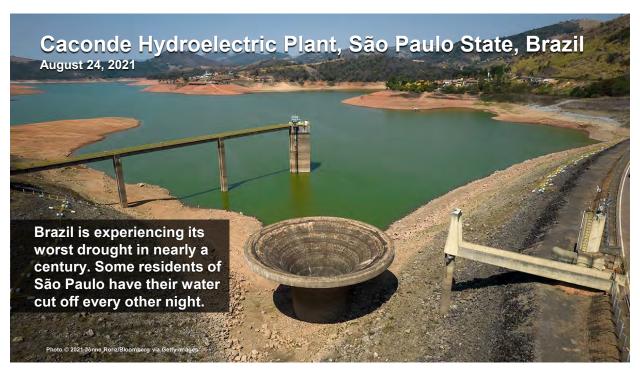


The same extra heat that evaporates more water from the ocean, causing bigger downpours and floods...

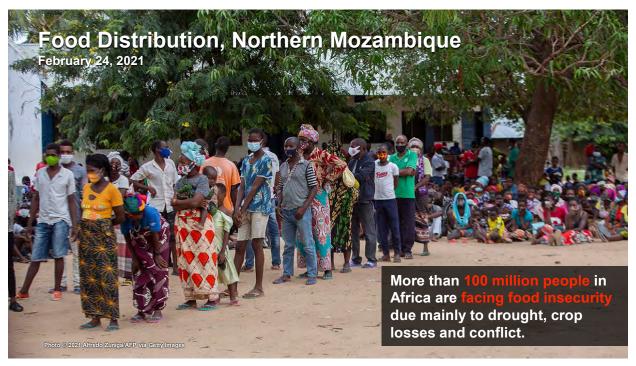
...pulls moisture even more quickly from the soil, causing longer and deeper droughts.

An Inconvenient Truth © 2006 by Paramount Classics, a Division of Paramount Pictures. All Rights Reserved

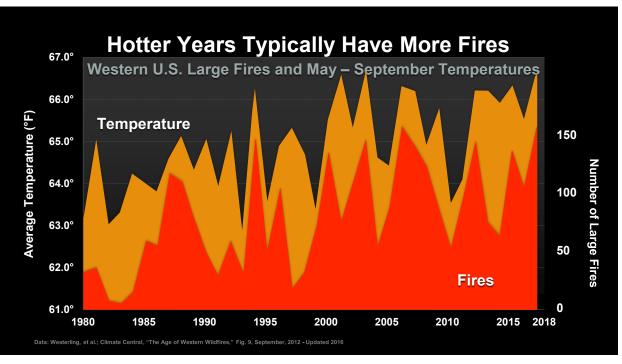










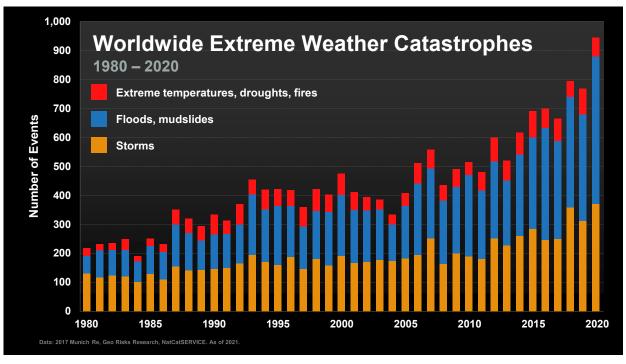






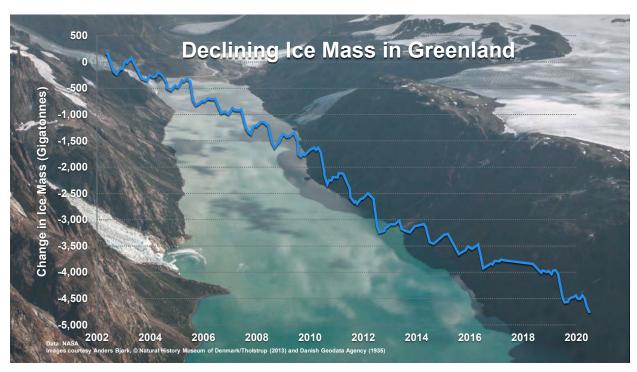


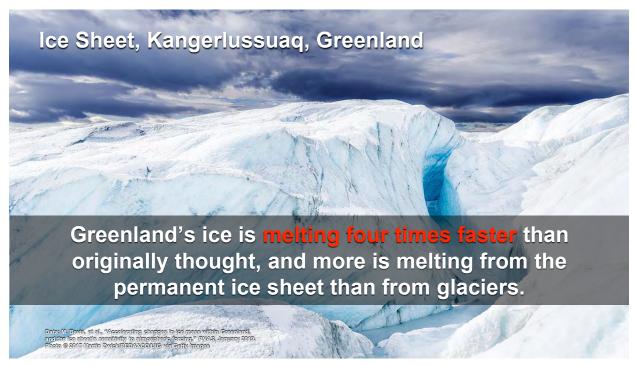


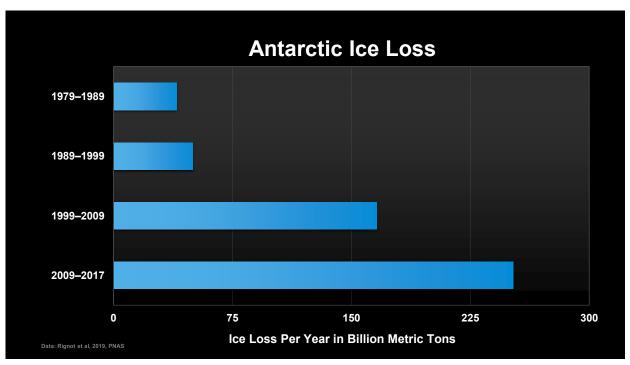


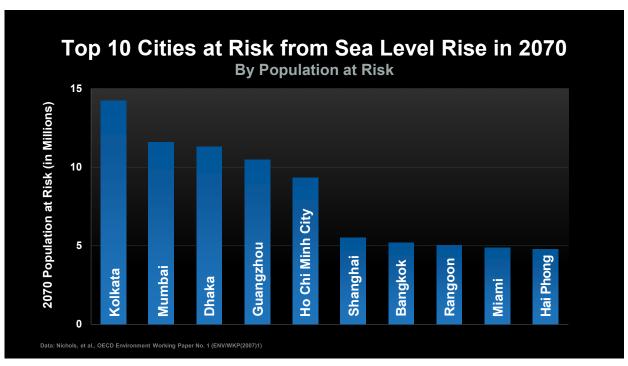




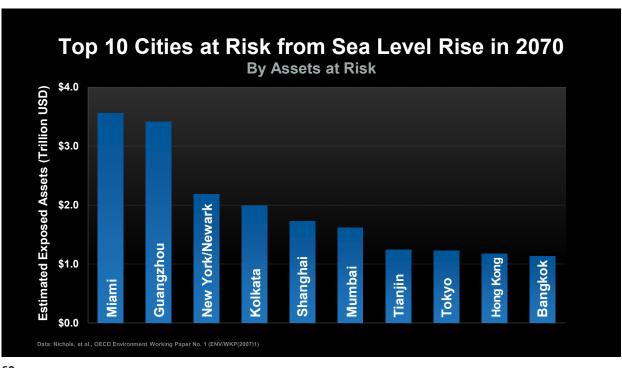
















By 2100, \$14.2 trillion worth of property worldwide could be threatened by coastal flooding.

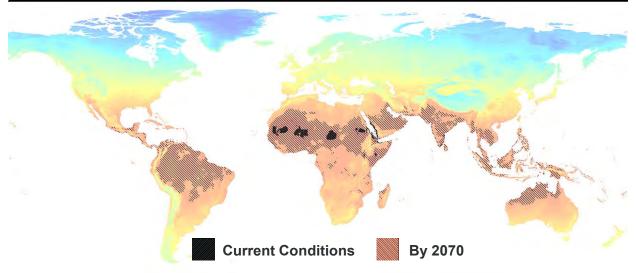


U.S. Department of Defense
2014 Climate Change Adaptation Roadmap

Climate change
"will likely lead to
food and water shortages,
pandemic disease,
disputes over refugees and resources,
and destruction by natural disasters in
regions across the globe."

65





Data and Graphic: Chi Xu, et al. "Future of the human climate niche," PNAS, May 26, 2021

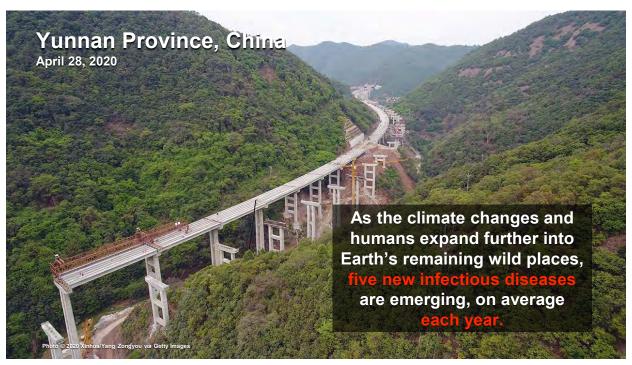


### The world could see up to 1 billion climate migrants.

**The Lancet Countdown Report 2018** 

# "Climate change is the biggest global health threat of the 21st century."

The 2018 Report of the Lancet Countdown on Health and Climate Change



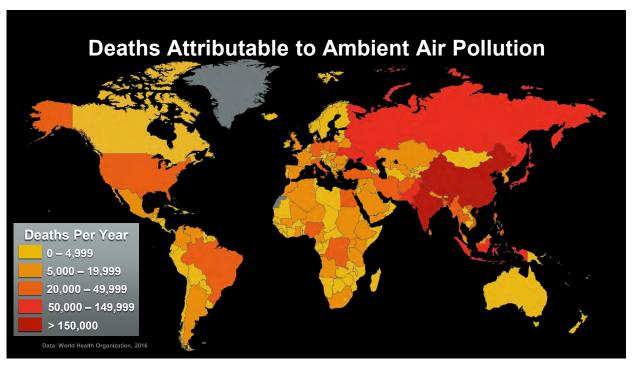






/ 3

The global economic impact of air pollution from fossil fuels is \$2.9 trillion per year (\$8 billion per day).







We now risk losing up to 50% of all land-based species in this century

#### The Cost of Carbon

- **\$ Political Instability**
- **\$ Floods & Mudslides**
- **\$ Wildfires**
- **\$ Drought**
- **\$ Storm Damage**
- **Social Acidification**
- **\$ Infrastructure Loss**
- **\$ Climate Refugees**



- **\$ Species Extinction**
- **\$ Melting Glaciers**
- \$ Famine
- **\$ Water Scarcity**
- **\$ Ecosystem Loss**
- **\$ Our Way of Life**
- **\$ Infectious Diseases**
- s Sea Level Rise

... And much more Global Economy"

© 2005 iStockphoto/themoo



### 2. Can we change?

81

We have the solutions at hand...

#### **Green Energy Progress**

**How Do Projections Compare With Reality?** 

#### 2000 Projection

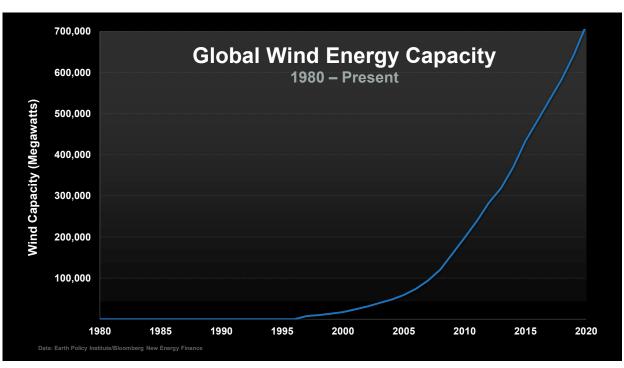
Worldwide wind capacity will reach 30 GW by 2010

#### Reality

By 2020 that goal was exceeded by a factor of

24 x

Data: International Energy Agency; Global Wind Energy Council; Bloomberg New Energy Finance





## Globally, wind could supply worldwide electricity consumption 40 times over

#### **Solar Energy Progress**

**How Do Projections Compare With Reality?** 

#### 2002 Projection

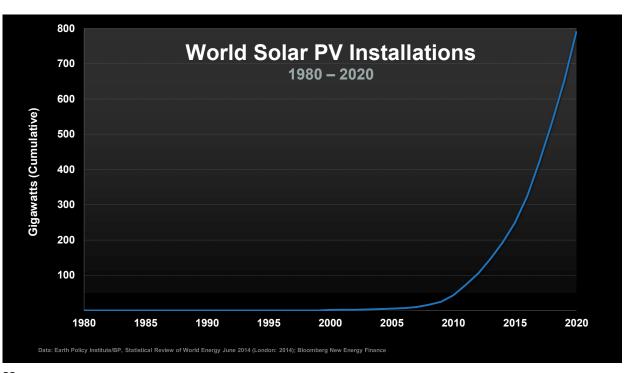
The solar energy market will grow one gigawatt per year by 2010

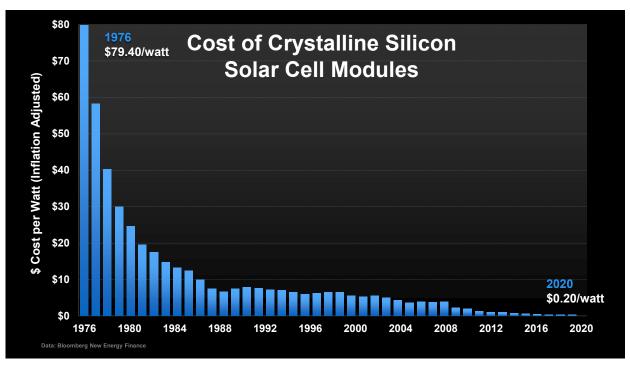
#### Reality

The reality is Im 2020 at was exceeded by



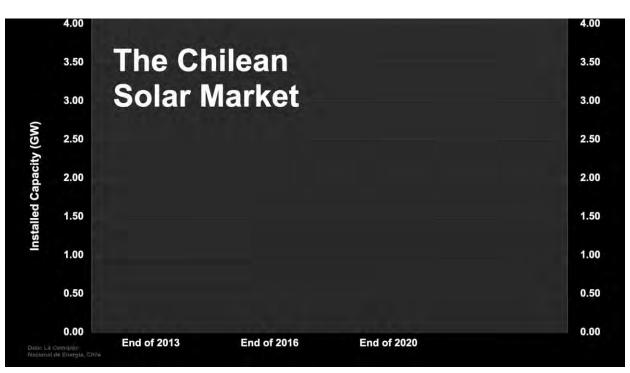
Source: Fresh-Energy; Bloomberg New Energy Finance

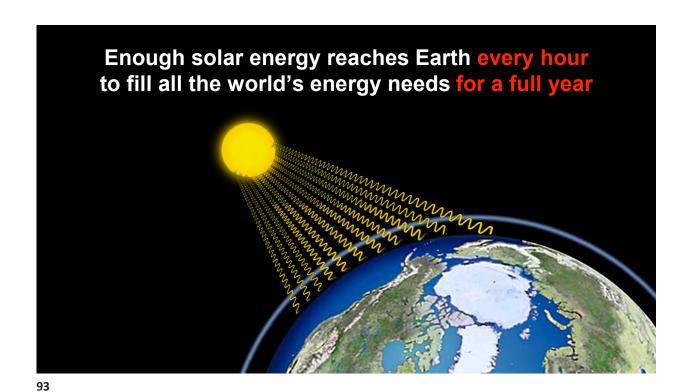


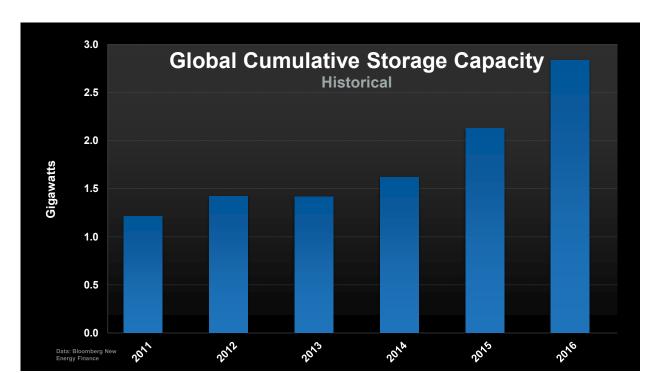


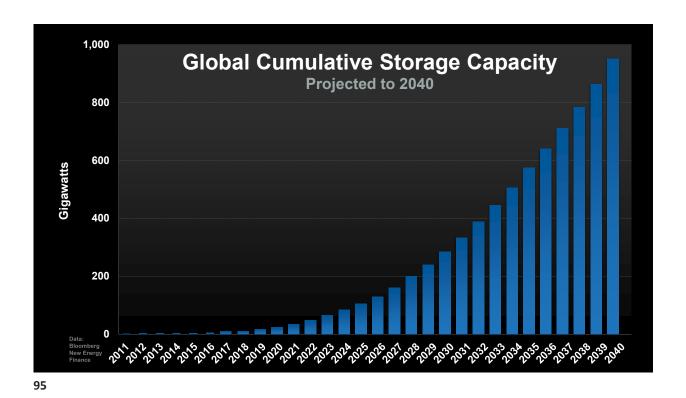








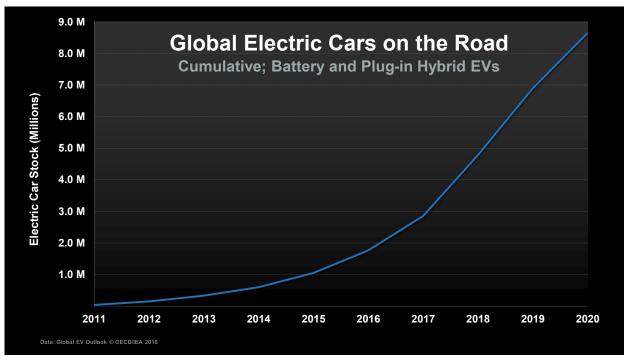












# Can we change?

qq

### 3. Will we change?



### 54% of global emissions are from countries that have set a net zero target.

Andorra	Costa Rica	Italy	Monaco	Slovenia
Argentina	Denmark	Jamaica	Namibia	Solomon Islands
Austria	Dominican Rep.	Japan	Nauru	South Korea
Barbados	The EU	Kazakhstan	Nepal	Spain
Bhutan	Fiji	Laos	<b>New Zealand</b>	Sri Lanka
Brazil	Finland	Latvia	Panama	Sweden
Canada	France	Luxembourg	Portugal	<b>Switzerland</b>
Cape Verde	Germany	Malawi	Seychelles	<b>United Kingdom</b>
Chile	Hungary	Maldives	Singapore	<b>United States</b>
China	Iceland	Marshall Islands	Slovakia	Uruguay
		Mauritius		











Join those who are using their voices their votes their choices to fight for their future, their community, and their world.

# Use your voice your vote your choices

## Speak Truth to Power like your world depends on it.

