THE WATER WILL COME

Rising Seas, Sinking Cities, and the Remaking of the Civilized World

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FIVE THOUGHTS ABOUT SEA LEVEL RISE

• 1. Hurricanes are like roulette. Sea level rise is like gravity.
Flood Hazards Rise With The Seas
Projected number of tidal floods each year along U.S. coastlines

- Northeast
- Mid-Atlantic
- Southeast
- Gulf Coast

Current: Light blue, 2030: Light blue with a darker shade, 2050: Dark blue
2. The water will come — the question is, how high and how fast?
The Warming-Ocean Effect
The Ice Fractures
The Collapse Begins
3. Trouble begins long before a city becomes the new Atlantis.
The first and most distinctive clue there's a problem with the sewage system is the smell.
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4. Billions of dollars will be spent on adaptation and protection. Some of it will be well-spent. A lot of it will not.
Pump it up

Miami Beach plans to spend between $400-$500 million during the next five years to install about 60 pumps like this throughout the city. From Sunset Harbour down to the MacArthur Causeway, four pumps have already been installed to push the water into Biscayne Bay.

1. Rainwater accumulates at the drainage structure and first makes it way to the detention box.

2. The detention box collects the stormwater and filters it before discharging to the pump.

3. The water then goes into the pump, which pressurizes and moves the water through a valve box, into the vortex that separates any remaining solids from water and pushes it to the closest open body of water.

Source: City of Miami Beach
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• 5. Opportunity often comes disguised as catastrophe.
Challenges for Preservationists
CHALLENGES FOR PRESERVATIONISTS

• Prepare for War with Developers Who Will Exploit This
• Develop Guidelines for Triage
• Document the Losses