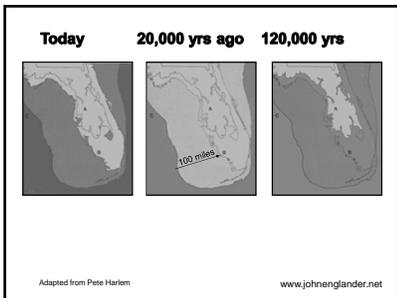
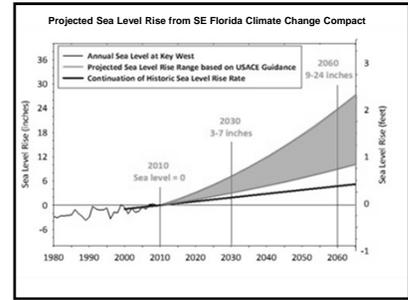


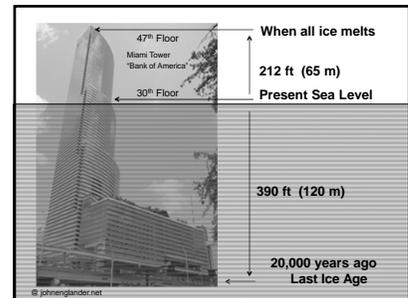
- ### Myths about sea level rise ("SLR")
1. Melting polar ice cap (North) big factor
  2. Being "green" & sustainable can stop SLR
  3. Technology could stop all sea level rise
  4. Sea walls can protect south Florida
  5. Just a natural cycle; humans have no effect
  6. Same as storm surge and extreme tides



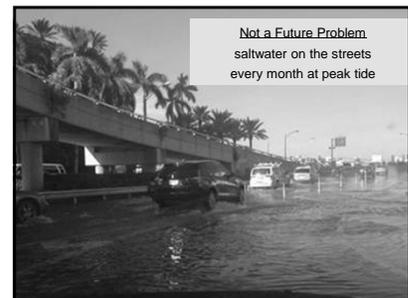
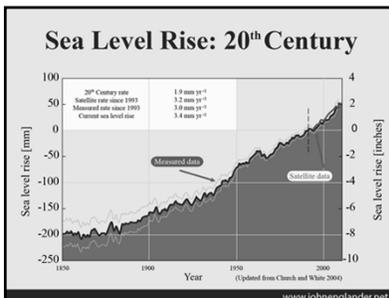
Sea Level change is "new."

Barely changed in 5,000 years.

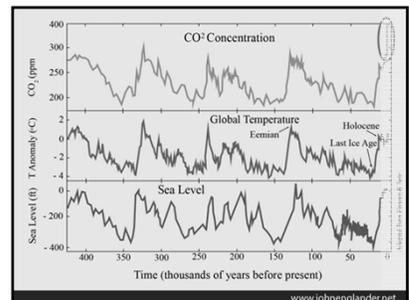
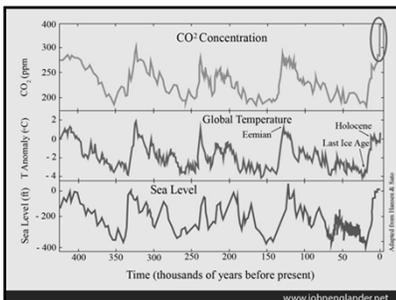
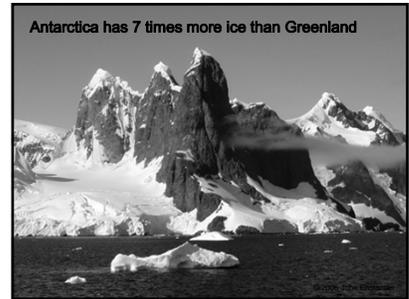
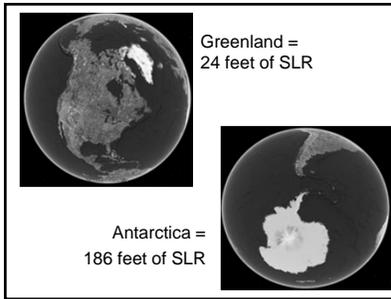
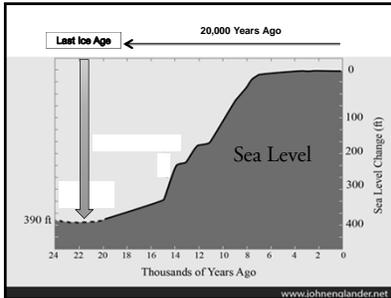
Last time it was higher was 120,000 years ago.

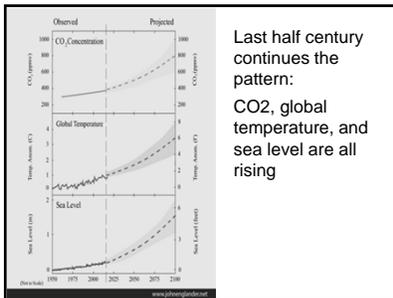
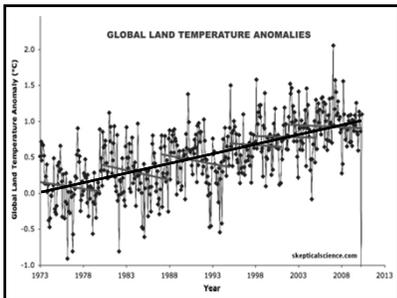


- ### 3 Key Points
- Why SLR is unstoppable, regardless of efforts at sustainability
  - Why the projections are not the worst case. The "uncertainties" that are excluded
  - 2 key differences between rising sea level and events, e.g. storms, extreme tides, runoff



<b>Flooding due to:</b>	<b>Different</b>
1. Storms	➢ Drivers
2. Extreme Tides	➢ Predictability
3. Rising Sea Level	➢ Magnitude
4. Subsidence	➢ Permanence
5. Runoff / Downstream	➢ Impact areas
6. [Erosion]	



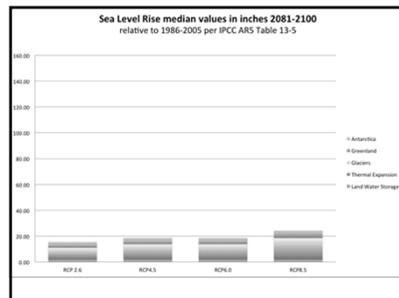
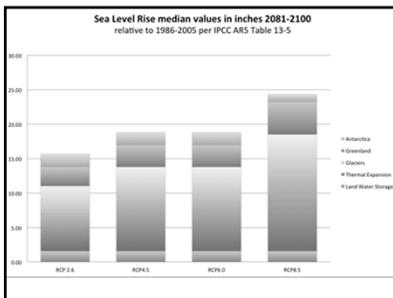
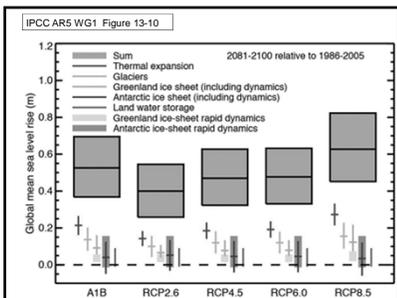
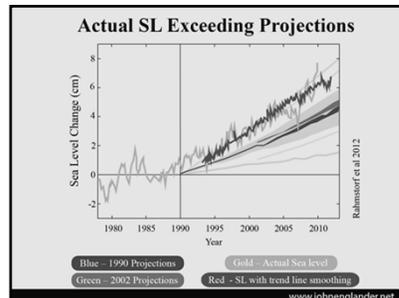
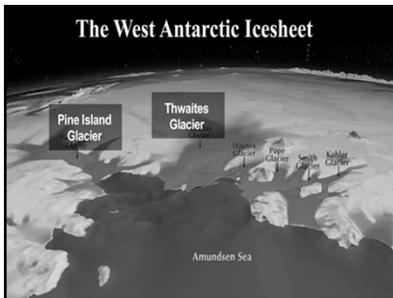
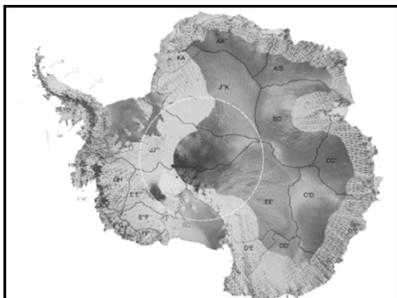


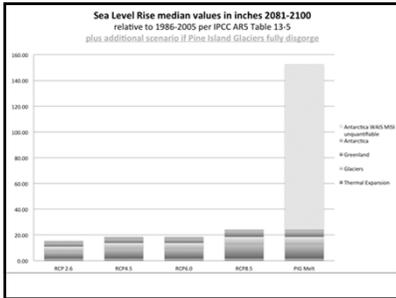
Last half century continues the pattern:  
CO<sub>2</sub>, global temperature, and sea level are all rising

By 2100, new IPCC Projections: **"10 – 32 Inches of SLR"**

#'s do not include the "wild card" amplifiers:

- Methane
- West Antarctic glaciers





**Takeaways**

1. Storms + tides + SLR = vulnerability now
2. After years of stability, SL is rising and will continue for centuries
3. We can slow SLR, but not stop it
4. The trend can be your friend
5. Know your risk, plan, and adapt

**RECAP**

1. Storms, Extreme Tides, and SLR are different.
2. SLR will have different effects in different places.
3. Projections differ and change. Plan for first 3 feet of SLR, asap.....more to come
4. Don't confuse planning for SLR with reducing GHG and other efforts at being "sustainable" and green.

**RISING SEAS GROUP**  
CONNECTING THE SHORE LINE TO THE BOTTOM LINE

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