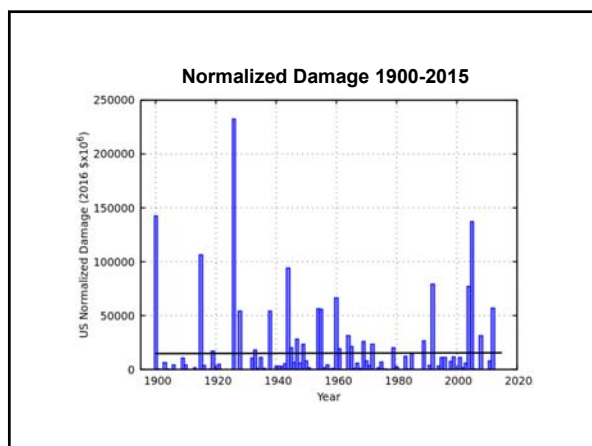


Normalized Hurricane Damage

- Pielke & Landsea (1998, 2008)
- Corrects for:
 - Inflation
 - Population increase
 - Greater personal wealth
- What would historical hurricanes cost with 2005 population and development?
- Constant at ~\$11B per year, based upon updated 1900-2008 data



Global Climate Model Simulations of Hurricanes on a Warmer Globe

Control Climate

Late 21st Century Warmed Climate

18 Model Ensemble

NWS Version (GFDL)

→ Number of hurricanes should decrease because of greater shear

→ Strongest hurricanes should get stronger and rain more because of increased water vapor content

→ Effect should be strongest in the Western Atlantic

→ Neutral or weak in the Caribbean and Gulf

→ But we should not be able to detect it yet.

(Bender et al. 2010)

