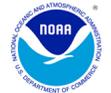


1980-2008 Billion Dollar U.S. Weather Disasters

(Damage Amounts in Billions of Dollars and Costs Normalized to 2007 Dollars Using GNP Inflation / Wealth Index)



1980	Drought / Heat Wave e \$55.4 ~10,000 Deaths				
1983	Hurricane Alicia \$6.3 21 Deaths	Florida Freeze ~ \$4.2 No Deaths	Gulf Storms / Flooding ~ \$2.3 ~ 50 Deaths	W Storms / Flooding ~ \$2.3 ~ 45 Deaths	
1985	Florida Freeze ~ \$2.3 No Deaths	Hurricane Elena \$2.5 4 Deaths	Hurricane Juan \$2.9 63 Deaths		
1986	Drought / Heat Wave \$2.4 ~100 Deaths				
1988	Drought / Heat Wave e \$71.2 ~7,500 Deaths				
1989	Hurricane Hugo > \$15.3 86 Deaths	N Plains Drought > \$1.7 No Deaths			
1990	S Plains Flooding > \$1.6 13 Deaths	California Freeze \$5.5 No Deaths			
1991	Hurricane Bob \$2.3 18 Deaths	Oakland CA Firestorm ~ \$3.9 25 Deaths			
1992	Hurricane Andrew ~ \$40.0 61 Deaths	Hurricane Iniki ~ \$2.7 7 Deaths	Nor'easter \$2.3 19 Deaths		
1993	E Storm / Blizzard \$7.9 ~ 270 Deaths	SE Drought / Heat Wave ~ \$1.4 > 16 Deaths	Midwest Flooding ~ \$30.2 48 Deaths	CA Wildfires ~ \$1.4 4 Deaths	
1994	SE Ice Storm ~ \$4.2 9 Deaths	Tropical Storm Alberto ~ \$1.4 32 Deaths	Texas Flooding ~ \$1.4 19 Deaths	W Fire Season ~ \$1.4 No Deaths	
1995	CA Flooding > \$4.1 27 Deaths	SE / SW Severe Wx \$7.5 32 Deaths	Hurricane Marilyn e \$2.9 13 Deaths	Hurricane Opal > \$4.1 27 Deaths	
1996	Blizzard / Flooding ~ \$4.0 187 Deaths	Pacific NW Flooding ~ \$1.3 9 Deaths	S Plains Drought ~ \$6.8 No Deaths	Hurricane Fran > \$6.6 37 Deaths	
1997	Midwest Flood / Tornadoes e \$1.3 67 Deaths	N Plains Flooding ~ \$4.8 11 Deaths	W Coast Flooding ~ \$3.9 36 Deaths		
1998	New England Ice Storm > \$1.8 16 Deaths	SE Severe Wx > \$1.3 132 Deaths	MN Severe Storms / Hail > \$1.9 1 Death	S Drought / Heat Wave \$9.5 > 200 Deaths	Hurricane Bonnie ~ \$1.3 3 Deaths
	Hurricane Georges e \$7.4 16 Deaths	Texas Flooding ~ \$1.3 31 Deaths	California Freeze \$3.2 No Deaths		
1999	AR - TN Tornadoes ~ \$1.6 17 Deaths	OK - KS Tornadoes > \$2.0 55 Deaths	E Drought / Heat Wave > \$1.2 e 502 Deaths	Hurricane Floyd e > \$7.4 77 Deaths	
2000	Drought / Heat Wave e > \$4.8 ~ 140 Deaths	Western Fires > \$2.4 No Deaths			
2001	Tropical Storm Allison e ~ \$5.6 > 43 Deaths	Midwest / OH Valley Hail / Tornadoes > \$2.2 > 3 Deaths			
2002	30-State Drought e > \$11.4 No Deaths	Western Fires > \$2.3 ~21 Deaths	Severe Wx / Tornadoes > \$1.9 7 Deaths		
2003	Severe Wx / Hail > \$1.8 3 Deaths	Severe Wx / Tornadoes > \$3.8 51 Deaths	Hurricane Isabel ~ \$5.6 55 Deaths	S California Wildfires > \$2.8 22 Deaths	
2004	Hurricane Charley e ~ \$16.5 35 Deaths	Hurricane Frances e ~ \$9.9 48 Deaths	Hurricane Ivan e > \$15.4 57 Deaths	Hurricane Jeanne e > \$7.7 28 Deaths	
2005	Hurricane Dennis e > \$2.1 > 15 Deaths	Hurricane Katrina e ~ \$133.8 > 1833 Deaths	Hurricane Rita e ~ \$17.1 ~ 119 Deaths	Midwest Drought e > \$1.1 No Deaths	Hurricane Wilma e ~ \$17.1 35 Deaths
2006	Numerous Wildfires > \$1.0 28 Deaths	Widespread Drought e > \$6.2 * Deaths	Severe Storms Tornadoes e > \$1.0 10 Deaths	Northeast Flooding > \$1.0 20 Deaths	MW / SE Tornadoes > \$1.5 10 Deaths
	MW / Ohio Valley Tornadoes ~ \$1.1 27 Deaths				
2007	Great Plains / East Drought > \$5.0 * Deaths	Western Wildfires > \$1.0 12 Deaths	Spring Freeze > \$2.0 No Deaths	East / South Severe Weather > \$1.5 9 Deaths	California Freeze > \$1.4 1 Deaths
2008	Southeast / Midwest Tornadoes > \$1.0 57 Deaths	MW / Ohio Valley Svr Wx / Tornadoes > \$2.4 13 Deaths	MW / Mid-Atl. Svr Wx Tornadoes > \$1.1 18 Deaths	Midwest Flood e > \$15.0 24 Deaths	U. S. Wild Fires > \$2.0 16 Deaths
	Hurricane Dolly > \$1.2 3 Deaths	Hurricane Gustav > \$5.0 43 Deaths	Hurricane Ike > \$27.0 > 100 Deaths	Widespread Drought > \$2.0 No Deaths	

e = estimated > = greater than/at least ~ = approximately/about
* = undetermined

< 5 5-20 20-30 30-40 > 40

Amounts in Billions of Dollars

Source: NOAA's National Climatic Data Center Asheville, NC 28801-5001
www.ncdc.noaa.gov/oa/reports/billionz.html