

## Appendix D

### Detailed Historic Hazard Records

**State and Federally Declared Natural Hazard Events That Included Maricopa County  
January 1966 to October 2008**

Hazard	No. of Declarations	Recorded Losses		
		Fatalities	Injuries	Damage Costs (\$)
Drought	12	0	0	\$303,000,000
Dam Failure	0	0	0	\$0
Earthquake	0	0	0	\$0
Fissure	0	0	0	\$0
Flooding / Flash Flooding	16	52	115	\$594,150,000
Landslide / Mudslide	0	0	0	\$0
Levee Failure	0	0	0	\$0
Snow Storm	0	0	0	\$0
Sleet / Freezing Rain	0	0	0	\$0
Subsidence	0	0	0	\$0
Thunderstorm / High Wind	4	0	0	\$0
Tornado	0	0	0	\$0
Tropical Storm / Hurricane	1	0	0	\$375,000,000
Wildfire	18	0	0	\$0

Notes:

- Damage Costs are reported as is and no attempt has been made to adjust costs to current dollar values

State of Arizona Declaration				Federal Presidential Declaration				Damage Estimates							
Date	Hazard	State PCA No.	Expenditures	Date	ID	Expenditures	Counties Affected	Description	Fatalities	Injuries	Property	Crop/Livestock	Total	Sources	
2/24/1966	Flooding / Flash Flooding		\$43,673	04/30/66	217-DR	\$3,256,224	Graham, Greenlee, Maricopa, Pima, Pinal	Floods; state/federal disaster declared. A cold winter storm put up to 1.26 inches of rain in many areas of Tucson. Eleven accidents from slick roads and flooding produced most of the damage in the Tucson area.					\$0	ADEM, 2008; Tucson NWS, 2008 at <a href="http://www.wrh.noaa.gov/twc/hydro/floodhis.php">http://www.wrh.noaa.gov/twc/hydro/floodhis.php</a> ;	
9/15/1970	Flooding / Flash Flooding		\$12,977	09/22/70	294-DR	\$9,613,107	Apache, Coconino, Gila, Maricopa, Navajo, Yavapai	The unprecedented flash floods in the central mountains of Arizona Saturday afternoon and evening September 5th, transformed a weekend camping holiday into a nightmarish tragedy for many persons. Never before in the State's recorded weather history had it rained so hard or so much in one day and never before had so many mountain streams and normally dry washes risen so rapidly or filled so fast with raging torrents. All-time previous record crests were exceeded. The 23 lives lost make this the greatest natural disaster in the history of the State. All who lost their lives were away from home and all but four were in automobiles. Fourteen died attempting to flee campgrounds in the headwaters area of Tonto Creek just below the Mogollon Rim and about 30 miles northeast of Payson. Tropical storm Norma produced heavy precipitation along and east of the Baboquivari Mountains and northward to Tucson and Avra Valley. Rapid runoff washed out roads and several bridges near Tucson and flooded	23				\$0	ADEM, 2008; AFMA Floods Happen, Spring 2003.	
6/15/1972	Flooding / Flash Flooding		\$16,158	07/03/72	343-DR	\$10,879,002	Maricopa, Pima, Pinal	Flood damages in Maricopa County were over \$8,000,000. Scottsdale and Phoenix were hit the hardest.			\$8,000,000		\$8,000,000	ADEM, 2008	
4/28/1973	Wildfire		\$36,718				Statewide						\$0	ADEM, 2008	
4/22/1975	Wildfire		\$8,923				Statewide						\$0	ADEM, 2008	
11/7/1976	Flooding / Flash Flooding		\$186,950				Maricopa	Flooding						\$0	ADEM, 2008
9/2/1977	Infestation						Statewide	Cotton Crop Pesticide Application						\$0	ADEM, 2008
3/2/1978	Flooding / Flash Flooding		\$485,718	03/04/78	550-DR	\$67,122,627	Statewide	Warm temperatures accompanied by heavy rain filled reservoirs behind all of the dams on the Salt and Verde Rivers and forced large volumes of runoff to be released. This was the largest flow of water down the Salt since 1891. The released water overflowed the channel and flooded residential areas and farmlands. During the same period storm fronts passing over the state caused flash flooding and destruction. 9.53 inches of rainfall occurred on Mt Lemmon. Overflows of the Gila River flooded Duncan and 1000-2000 acres of farmland in Safford Valley. The Killito Creek, Pantano and Tanque Verde Creeks in Tucson were near bankfull. Total damage was approximately \$65.9 million, of which \$37 million was attributed to Maricopa County alone. Thousands of homes were damaged and 116 homes were destroyed. More than 7,000 people had to be sheltered and four people lost their lives.  For Maricopa County - the storm centered over the mountains north and east of Phoenix, 35 miles north at Rock Springs. Extrapolation of intensity-probability data: 5.73 in./ 24 hr. equates to a 400 yr. storm. Main source of flooding due to Verde River with runoff volume exceeding reservoir storage capacity above Bartlett Dam. Flooding also occurred along irrigation canals on north side of metro area, and along tributaries of the Gila River and Queen Creek. 1 death-countywide. Total damage costs: \$37 million: \$3.1 million-residential, \$16 million-public, \$4 million-agriculture, \$7.8 million-industrial, \$0.75 million-commercial. "Flood Damage Report, 28 February-6 March 1978 on the storm and floods in Maricopa County, Arizona", U.S. Army Corps of Engineers, Los Angeles District, FCDMC Library #802.024.	4		\$65,900,000	\$65,900,000	ADEM, 2008; Tucson NWS, 2008 at <a href="http://www.wrh.noaa.gov/twc/hydro/floodhis.php">http://www.wrh.noaa.gov/twc/hydro/floodhis.php</a> ; AFMA Flood Happens, Fall 2003		
4/21/1978	Wildfire		\$11,528				Statewide						\$0	ADEM, 2008	
12/16/1978	Flooding / Flash Flooding		\$1,909,498	12/21/78	570-DR	\$113,561,122	Statewide	Following the spring flooding, Arizona was hit hard again in December 16th-20th. Total precipitation ranged from less than 1 inch in the northeastern and far southwestern portions of Arizona to nearly 10 inches in the Mazatzal Mountains northeast of Phoenix. A large area of the central mountains received over 5 inches. The main stems of the Gila, Salt, Verde, Agua Fria, Bill Williams, and Little Colorado Rivers, as well as a number of major tributaries, experienced especially large discharges. The flooding areas with the most significant damages included the Little Hollywood District near Safford and major portions of Duncan, Clifton, Winslow, and Williams. Damages were estimated at \$39,850,000. 10 people die and thousands are left homeless. Severe damage to roads and bridges. For Maricopa County, 4 deaths, \$16.3 million-public and \$5 million-agriculture losses estimated. ["Flood Damage Report, Phoenix Metropolitan Area, December 1978 Flood", November 1979, U.S. Army Corps of Engineers, FCDMC Library #802.027]	10		\$39,850,000	\$39,850,000	ADEM, 2008; Tucson NWS, 2008 at <a href="http://www.wrh.noaa.gov/twc/hydro/floodhis.php">http://www.wrh.noaa.gov/twc/hydro/floodhis.php</a> ; AFMA Flood Happens, Fall 2003		
3/29/1979	Thunderstorm / High Wind		\$39,284				Maricopa	High winds and flooding					\$0	ADEM, 2008	
4/16/1979	Wildfire		\$204,207				Statewide						\$0	ADEM, 2008	

State of Arizona Declaration				Federal Presidential Declaration				Damage Estimates							
Date	Hazard	State PCA No.	Expenditures	Date	ID	Expenditures	Counties Affected	Description	Fatalities	Injuries	Property	Crop/Livestock	Total	Sources	
2/13/1980	Flooding / Flash Flooding		\$1,958,611	02/19/80	614-DR	\$42,744,642	Maricopa, Gila, Yavapai, Mohave, White Mt. Apache Tribe, San Carlos Apache Tribe, Fort Gila River Indian Community, Fort McDowell Indian Community, Salt River Indian Community	Severe flooding in central Arizona. Record discharges (later broken in 1993) were recorded in the Phoenix metro area on the Salt, Verde, Agua Fria and Gila Rivers, as well as on Oak Creek in north central Arizona. The Phoenix metro area is almost cut in half as only two bridges remain open over the Salt River. It takes hours for people to move between Phoenix and the East Valley using either the Mill Avenue or Central Avenue bridges. Even the Interstate 10 bridge is closed for fear that it has been damaged. Precipitation during this period at Crown King in the Bradshaw Mountains was 16.63 inches. Three people die. Salt River has a peak flow of 170,000 cubic feet per second. Damages estimated at \$63,700,000 for Phoenix Metro Area. [Phoenix Flood Damage Survey, February 1980, U.S. Army Corps of Engineers, Los Angeles District, FCDMC Library #802.029]	3	3	\$63,700,000	\$3,000,000	\$66,700,000	ADEM, 2008	
6/2/1980	Wildfire		\$298,845				Statewide						\$0	ADEM, 2008	
6/16/1980	Wildfire						Statewide	AZ Executive Order 81-5: [Terminating the Declaration of a State of Emergency of June 16, 1980 (caused by a severe forest and grassland fire contingency) and returning all unexpended funds authorized by A.R.S. § 35-192 to the General Fund.					\$0	ADEM, 2008	
6/26/1981	Wildfire						Statewide	Fire suppression assistance					\$0	ADEM, 2008	
6/30/1981	Wildfire		\$256,904				Statewide						\$0	ADEM, 2008	
6/30/1982	Wildfire		\$492,635				Statewide						\$0	ADEM, 2008	
7/23/1984	Flooding / Flash Flooding		\$55,373	1/15/1985	730-DR	\$505,323	Mohave, Yuma, Maricopa	Flooding and Wind Damage					\$0	ADEM, 2008	
10/14/1986	Infestation	EUZ60C	\$48,897				Maricopa	Imported Red Fire Ants					\$0	ADEM, 2008	
03/17/1987	Wildfire	EUZSLD					Statewide	Wildland fires statewide					\$0	ADEM, 2008	
08/12/1987	Drought	EUZ7AU	\$14,941				Maricopa, Pima, Pinal	Southern Arizona drought					\$0	ADEM, 2008	
03/17/1990	Wildfire	EUZ91					Statewide	Wildland fire contingency					\$0	ADEM, 2008	
09/07/1990	Flooding / Flash Flooding	EUZ901	\$1,175,040	12/06/90	884-DR	\$5,875,202	Mohave, Gila, Pima, Pinal, Yavapai, Graham, Coconino, Maricopa	Severe storms caused monsoon rains from July 8 through September 14, 1990. Heavy rains and high winds caused flash flooding and wind damage. Havasupai reservation received heavy flood losses. Three lives were lost.	3				\$0	ADEM, 2008	
2/14/1992	Flooding / Flash Flooding	EUZ922	\$35,000				Maricopa	Flooding on Salt River Pima Maricopa Indian Community					\$0	ADEM, 2008	
01/08/1993	Flooding / Flash Flooding	93003	\$30,072,157	01/19/93	977-DR	\$104,069,362	Statewide	During January and February 1993, winter rain flooding damage occurred from winter storms associated with the El Nino phenomenon. These storms flooded watersheds throughout Arizona by dumping excessive rainfall amounts that saturated soils and increased runoff. Warm temperature snowmelt exacerbated the situation over large areas. Erosion caused tremendous damage and some communities along normally dry washes were devastated. Stream flow velocities and runoff volumes exceeded historic highs. Many flood prevention channels and retention reservoirs were filled to capacity and so water was diverted to the emergency spillways or the reservoirs were breached, causing extensive damage in some cases (e.g., Painted Rock Reservoir spillway). Ultimately, the President declared a major federal disaster that freed federal funds for both public and private property losses for all of Arizona's fifteen counties. Damages were widespread and significant, impacting over 100 communities. Total public and private damages exceeded \$400 million and eight deaths and 112 injuries were reported to the Red Cross (FEMA, April 1, 1993; ADEM, March, 1998).	8	112	\$330,000,000	\$70,000,000	\$400,000,000	ADEM, 2008	
09/09/1993	Wildfire	94002	\$200,000				Statewide	Statewide wildfire suppression - State Land Department					\$0	ADEM, 2008	
6/30/1994	Wildfire						Statewide	AZ Executive Order 94-9: In Accordance with Established Emergency Procedures declare a state of emergency in Apache, Cochise, Coconino, Gila, Graham, Greenlee, LaPaz, Maricopa, Mohave, Navajo, Pima, Pinal, Santa Cruz, Yavapai and Yuma counties due to wildfire conditions					\$0	ADEM, 2008	
10/14/1994	Wildfire	95003	\$600,000				Statewide	Statewide wildfire suppression - State Land Department					\$0	ADEM, 2008	
02/15/1995	Flooding / Flash Flooding	95007	\$1,525,663				Coconino, Gila, Graham, Greenlee, La Paz, Maricopa, Navajo, Pinal, Yavapai, Yuma	On February 15, 1995, the Governor proclaimed an emergency due to flooding in Coconino, Gila, Maricopa, Yavapai, and Yuma Counties. The proclamation included an allocation of \$100,000 for emergency measures and recovery costs. The proclamation was amended to include Graham, Greenlee, LaPaz, Navajo, and Pinal Counties.					\$0	ADEM, 2008	
03/13/1996	Infestation	96003	\$796,456				Statewide	Wheat (karnal bunt)					\$0	ADEM, 2008	
05/16/1996	Wildfire	96004	\$1,000,729				Statewide	Statewide wildfire suppression - State Land Department					\$0	ADEM, 2008	
06/07/1996	Drought	96005	\$211,499				Statewide						\$0	ADEM, 2008	
08/15/1996	Thunderstorm / High Wind	97001	\$2,642,140				Maricopa						\$0	ADEM, 2008	

State of Arizona Declaration				Federal Presidential Declaration				Damage Estimates							
Date	Hazard	State PCA No.	Expenditures	Date	ID	Expenditures	Counties Affected	Description	Fatalities	Injuries	Property	Crop/Livestock	Total	Sources	
09/24/1997	Tropical Storm / Hurricane	98002	\$2,318,259				Statewide	Hurricane Nora - \$200 million property damage. An estimated \$150 to \$200 million in damage was sustained by crops throughout Yuma County due mainly to flooded crops. About \$30 to \$40 million was to lemon trees. The heavy rain was attributed to Tropical Storm Nora. Flooding from Hurricane Nora results in the breaching of Narrows Dam. The calculated 24-hour, 100-year rainfall amount in NW Maricopa County was exceeded at six ALERT measuring sites. 3 to 5 inches of rain which fell from Nora led to some flash flooding in portions of northwest Maricopa County. Two earthen dams gave way in Aguila and caused widespread flooding. One dike was located seven miles east of Aguila and the second in the center of the Martori Farms complex. Half of the cotton crop was lost at Martori Farms, as well as 300 to 500 acres of melons. Up to five feet of water filled Aguila. About 40 people were evacuated from the hardest hit area of the town. Water flowing down the Sols Wash was so high that the Sols Wash Bridge in Wickenburg was closed for more than two hours. There was some flooding below Sols Wash in the streets around Coffinger Park. Several houses in the area were flooded. Highway 71 west of Wickenburg and Highway 95 north were closed due to high water from the storm.			\$200,000,000	\$175,000,000	\$375,000,000	ADEM, 2008	
01/20/1999	Infestation	99001	\$177,702				Statewide	Red Imported Fire Ant Emergency						\$0 ADEM, 2008	
05/06/1999	Wildfire	99004	\$4,894				Statewide	Statewide wildland fire emergency						\$0 ADEM, 2008	
6/23/1999	Drought	99006					Statewide	PCA 99006; Statewide Drought Emergency, Declared June 23, 1999: Lack of precipitation had significantly reduced surface and ground water supplies and stream flows. The drought continues to endanger crops, property and livestock of the citizens of Arizona. This proclamation has been extended to June 23, 2003, as this is still a threatening situation. USDA Programs offer Arizona Ranchers Drought Relief, (Phoenix) - Federal officials this week announced three programs designed to ease the impact of Arizona's drought on the state's ranching industry and the state's natural resources. Gov. Jane Dee Hull in June issued a drought declaration for the state, initiating a federal review process that culminated in the U.S. Department of Agriculture's determination that Arizona agriculture could qualify for drought assistance. The following are brief descriptions of the three assistance packages for which Arizona ranchers may qualify: Those ranching operations that earlier this year reduced herd sizes in response to poor pasture conditions and lack of water due to the drought can receive capital gains tax deferral if those herds are replaced within two years, according to the Internal Revenue Service. It is recommended that businesses consult their tax specialist or the IRS for further details. For more information, contact Joe Lane, Associate Director of Animal Services Division, at (602) 542-3629. The USDA Natural Resource Conservation Service has received an initial \$6 million through its Emergency Watershed Program (EWP) to treat short- and long-term damage to rangeland and cropland due to drought. Ranchers and farmers can receive financial assistance to implement recovery measures that will retard runoff and reduce the threat of future flooding and erosion hazards. For more information, contact Mike Sommerville, State Conservationist, at (602) 280-8810. The USDA Farm Services Agency has emergency drought assistance loans available. For more information, contact George Arredondo, USDA/FSA State Executive Director, at (602) 640-5200. Arizona's dry winter and low snowpack mostly impacted the state's ranching industry due to poor pasture conditions. Summer rains have improved rangelands throughout Arizona. According to the USDA Arizona Agricultural Statistics Service, as of Aug. 15, range and pasture condition was reported as 6 percent poor, 21 percent fair, 39 percent good, and 34 percent excellent. As much as 99 percent of Arizona's crops are irrigated, generally mitigating short-term drought impacts.						\$0 ADEM, 2008	
8/13/1999	Drought			08/13/99	USDA		Apache, Cochise, Coconino, Gila, Graham, Greenlee, Maricopa, Mohave, Navajo, Pima, Pinal, Santa Cruz, Yavapai	GLICKMAN DECLARES PENNSYLVANIA, 13 ARIZONA COUNTIES AS DISASTER AREAS AND ANNOUNCES ADDITIONAL DROUGHT ASSISTANCE Release No. 0334.99, WASHINGTON, August 13, 1999 Agriculture Secretary Dan Glickman today declared all of Pennsylvania and 13 counties in Arizona as agricultural disaster areas due to drought. The declaration makes farmers in those areas and all contiguous counties eligible for emergency low-interest loans and other assistance to help cover losses from the drought. In Arizona, today's disaster declaration applies to Apache, Cochise, Coconino, Gila, Graham, Greenlee, Maricopa, Mohave, Navajo, Pima, Pinal, Santa Cruz, and Yavapai Counties. Also eligible, because they are contiguous, are La Paz and Yuma Counties. Glickman has already declared all or part of Arizona, Connecticut, Maryland, New Jersey, New Mexico, New York, Ohio, Pennsylvania, Virginia, and West Virginia as disaster areas. Due to the close proximity to these states, certain counties in California, Delaware, Indiana, Kentucky, Massachusetts, Michigan, Nevada, Rhode Island, Vermont, and Utah also qualify for emergency loan assistance.						\$0 ADEM, 2008	

State of Arizona Declaration				Federal Presidential Declaration				Damage Estimates							
Date	Hazard	State PCA No.	Expenditures	Date	ID	Expenditures	Counties Affected	Description	Fatalities	Injuries	Property	Crop/Livestock	Total	Sources	
9/21/1999	Thunderstorm / High Wind	20004	\$2,961,207	10/15/99	1304-DR	\$89,017	Maricopa, Cochise	Disaster Summary for FEMA-1304-DR, Arizona. Declaration Date: Oct. 15, 1999. Incident Type: severe storms, high winds and flooding. Incident Period: Sept. 14 through Sept. 23, 1999. Counties Declared and Types of Assistance as of Oct. 15, 1998: Maricopa county for the Individual Assistance program. (1) All counties in the state are eligible to apply for assistance under the Hazard Mitigation Grant Program.					\$0	ADEM, 2008	
6/23/2000	Drought						Statewide	Annual extension of PCA 99006; Statewide Drought Emergency. Declared June 23, 1999: Lack of precipitation had significantly reduced surface and ground water supplies and stream flows. The drought continues to endanger crops, property and livestock of the citizens of Arizona. This proclamation has been extended until further notice, as this is still a threatening situation.			\$2,000,000	\$1,000,000	\$3,000,000	ADEM, 2008	
07/21/2000	Drought			07/21/00	USDA		Apache, Cochise, Graham, Greenlee, Pima, Pinal, Santa Cruz, Gila, Maricopa, Navajo, Yuma	GLICKMAN DECLARES 7 ARIZONA COUNTIES AGRICULTURAL DISASTER AREAS: Washington, July 17, 2000 - Agriculture Secretary Dan Glickman today declared seven of Arizona's 15 counties as agricultural disaster areas due to drought, making farmers in those areas and 12 neighboring counties, including counties in Utah, New Mexico and Colorado, eligible for emergency low-interest loans. "Farmers and ranchers in Arizona are experiencing real difficulties this year due to drought," said Glickman. "USDA emergency low-interest loans are available to help producers to cover some of their losses." Glickman's disaster declaration covers 7 of Arizona's 15 counties: Apache, Cochise, Graham, Greenlee, Pima, Pinal and Santa Cruz. Four other contiguous Arizona counties also are covered by the declaration (Gila, Maricopa, Navajo and Yuma) and therefore are eligible for the same benefits. Other contiguous counties in New Mexico are Catron, Cibola, Grant, Hidalgo, McKinley, and San Juan counties. San Juan county in Utah and Montezuma county in Colorado are included in the declaration as contiguous counties. This designation makes qualified family-sized farm operators in both primary and contiguous counties eligible for emergency low-interest loans from USDA. Farmers in eligible counties have eight months to apply for the loans. Each loan application is considered on its own merits, taking into account the extent of losses, security available, repayment ability, and other eligibility requirements. USDA previously approved emergency haying and grazing on Conservation Reserve Program acreage, providing assistance to approved producers whose pastures have been decimated by drought. For further information, farmers may contact their local Farm Service Agency offices or visit website: <a href="http://www.fsa.usda.gov/pas/disaster/assistance1.htm">http://www.fsa.usda.gov/pas/disaster/assistance1.htm</a> .					\$0	ADEM, 2008	
10/23/2000	Flooding / Flash Flooding	21104	\$1,054,182	10/27/00	1347-DR	\$5,251,582	Cochise, La Paz, Maricopa, Pinal, Santa Cruz	In the early morning hours of Sunday October 22, a large low pressure area dumped four to six inches of rain over parts of eastern LaPaz and western Maricopa County. This caused flash flooding in the upper part of the Centennial Wash between the Harcuvar and Harquahala mountain ranges. The heavy runoff flowed into the town of Wenden where water ran over the highway 60 bridge. At its peak the wash was about 3/8ths of a mile wide and 12 feet deep. The resulting high water surged through the town of Wenden with at least 400 residents evacuated. There was extensive damage to the town and for many miles downstream. The reported flow was in excess of 20,000 cfs. When the flood hit Wenden, it inundated some mobile homes, causing them to lift off their foundations and float down the wash. An estimated 125 mobile homes were affected. One migrant worker was killed when flood waters swept through the town during the early morning hours. Additional heavy rainfall hit this area several days later and complicated relief efforts for many of the homeless. A spotter in Wickenburg reported that route 93 was closed north of Wickenburg due to high water. Sols wash was out of its banks and flooded Coffinger Park as well as nearby homes. The Vulture Mine road was closed and motorists had to be rescued. Flood water produced considerable damage to melon and cotton crops in this rural area of northwest Maricopa County. The roads around Aguila were closed for several hours.	1		\$8,200,000	\$2,000,000	\$10,200,000	ADEM, 2008 NCDC, 2008	
6/23/2001	Drought						Statewide	Annual extension of PCA 99006; Statewide Drought Emergency. Declared June 23, 1999: Lack of precipitation had significantly reduced surface and ground water supplies and stream flows. The drought continues to endanger crops, property and livestock of the citizens of Arizona. This proclamation has been extended until further notice, as this is still a threatening situation.					\$0	ADEM, 2008	

State of Arizona Declaration				Federal Presidential Declaration			Counties Affected	Description	Fatalities	Injuries	Damage Estimates			
Date	Hazard	State PCA No.	Expenditures	Date	ID	Expenditures					Property	Crop/Livestock	Total	Sources
08/17/2001	Thunderstorm / High Wind	22001	\$11,805				Maricopa, Pima	A large thunderstorm complex developed over northwest Maricopa County and moved to the south and southwest. The thunderstorm induced gust front, at times over 60 miles long, west to east, caused widespread electric power outages in the Gila Bend area south to Ajo in west Pima County. In the immediate Gila Bend area, thirty-eight 230kv poles downed, and thirty-nine 69kv poles downed. A substation was damaged as well as telephone lines. The reported wind gust of 66 knots was recorded at the Gila Bend municipal airport at 0245. As the gust front moved further to the south and southwest, a total of 140 power poles were blown over as reported by the Arizona Public Service. Electric power services were disrupted up to 5 days.					\$0	ADEM, 2008 NCDC, 2008
05/17/2002	Drought			05/17/02	USDA		Statewide	VENEMAN DESIGNATES ARIZONA AS DROUGHT DISASTER AREA, Governor Hull and Veneman Tour Fire Areas and Assess Damage in Prescott National Forest Areas: PHOENIX, Ariz., May 17, 2002-- Agriculture Secretary Ann M. Veneman today designated the entire state of Arizona as a drought disaster area. This designation makes Arizona farmers and ranchers immediately eligible for USDA emergency farm loans due to losses caused by drought this year.					\$0	ADEM, 2008
5/18/2002	Infestation						Statewide	the Arizona Game and Fish Department placed an emergency ban on the importation of live hoofed animals (e.g., deer and elk) into Arizona due to a fear of Chronic Wasting Disease (CWD). CWD is a disease closely related to "mad cow disease" in cattle and scrapie in domestic sheep and goats but affects deer and elk.					\$0	ADEM, 2008
6/23/2002	Drought						Statewide	Annual extension of PCA 99006; Statewide Drought Emergency, Declared June 23, 1999: Lack of precipitation had significantly reduced surface and ground water supplies and stream flows. The drought continues to endanger crops, property and livestock of the citizens of Arizona. This proclamation has been extended until further notice, as this is still a threatening situation.					\$0	ADEM, 2008
07/11/2002	Drought			07/11/02	USDA		Statewide	VENEMAN ANNOUNCES EXPANSION OF CRP EMERGENCY HAYING AND GRAZING PROGRAM FOR WEATHER-STRIKEN STATES, WASHINGTON, July 11, 2002 - Agriculture Secretary Ann M. Veneman today approved 18 states for Conservation Reserve Program emergency haying and grazing statewide, making all CRP participants in these states basically eligible for this emergency measure. Veneman also said USDA will waive rental reduction fees to encourage donation of hay to farmers and ranchers in immediate need. "Drought and severe weather conditions have depleted hay stocks and grazing lands across the country," said Veneman. "This approval provides immediate relief to livestock producers and encourages donations of hay to producers who need immediate assistance." The 18 approved states are: Arizona, Colorado, Georgia, Idaho, Kansas, Minnesota, Montana, Nebraska, New Mexico, North Carolina, North Dakota, Oklahoma, South Carolina, South Dakota, Texas, Utah, Virginia and Wyoming. ARIZONA FARMERS FACING CATASTROPHE ... Arizona officials are saying that the losses from the livestock industry alone last year will be upward of \$300 million. ...				\$300,000,000	\$300,000,000	ADEM, 2008
07/18/2002	Drought			07/18/02	USDA		Maricopa, Pima, Pinal in the Tohono O'Odham Nation	VENEMAN DESIGNATES COUNTIES IN ARIZONA, CALIFORNIA, TEXAS AND VIRGINIA AS DISASTER AREAS, Decision Allows Farmers and Ranchers to Receive Emergency Farm Loans: WASHINGTON, July 18, 2002 -- In continuing efforts to expedite emergency disaster declarations in areas hit hard by adverse weather conditions, Agriculture Secretary Ann M. Veneman today designated counties in Arizona, California, Texas and Virginia as agricultural disaster areas. This designation makes farmers and ranchers with losses immediately eligible for USDA emergency (EM) farm loans. "These emergency declarations will provide farmers and ranchers with much needed assistance to recover from these natural disasters," said Veneman. "We continue to utilize all existing authorities to provide relief for weather-stricken areas." In Arizona, Maricopa, Pima and Pinal counties in the Tohono O'Odham Nation were named primary disaster areas due to drought.					\$0	ADEM, 2008

State of Arizona Declaration				Federal Presidential Declaration				Damage Estimates							
Date	Hazard	State PCA No.	Expenditures	Date	ID	Expenditures	Counties Affected	Description	Fatalities	Injuries	Property	Crop/Livestock	Total	Sources	
5/2/2003	Wildfire	23003	\$2,378,020				Statewide	Forest Health Emergency - As a result of the on-going drought conditions the forests within our state have been infested with the Pine Bark Beetle. This proclamation will expedite the clearing of dead, dying and diseased trees and other vegetation that interfere with emergency response and evacuation needs.					\$0	ADEM, 2008	
6/23/2003	Drought						Statewide	Annual extension of PCA 99006; Statewide Drought Emergency, Declared June 23, 1999: Lack of precipitation had significantly reduced surface and ground water supplies and stream flows. The drought continues to endanger crops, property and livestock of the citizens of Arizona. This proclamation has been extended until further notice, as this is still a threatening situation.					\$0	ADEM, 2008	
12/29/2004	Flooding / Flash Flooding	25004	\$2,131,217	2/17/2005	1581-DR	\$5,986,604	Gila, Graham, Greenlee, Pinal, Yavapai, Maricopa, Mohave	A strong Pacific storm system moved across Arizona December 28th and 29th with heavy rainfall. The heavy rain and melting snow resulted in excessive runoff in many areas from Williams to Flagstaff to Winslow and south to Prescott and Black Canyon City. High water, mudslides, and rock slides resulted in numerous road closures and evacuations in the area. Many creeks experienced significant rises. Seventy people were evacuated in southwest Flagstaff when water over-topped an earthen flood control dam. A dozen neighborhoods (about 300 people) along Oak Creek were evacuated in the Sedona area and two neighborhoods down stream. A 14 mile section of Highway 89 between Flagstaff and Sedona was closed because of rock slides. High water on the Verde River forced evacuations in Cornville and Bridgeport. Four RVs were lost in Oak Creek at the Page Springs RV park while 23 vehicles were removed before the water rose too high. About 100 people were evacuated in Black Canyon City in two different mobile-home parks. Portions of Navajo Route 71 and Old Navajo Route 2 were closed northeast of Winslow when the Little Colorado River overflowed the banks. Six families were evacuated near Bird Springs on the Navajo Reservation. All thirty-one low water crossings and seven other streets were closed in Prescott due to flooding. Two passengers were rescued from a stranded vehicle in Prescott. Preliminary counts indicate that as many as 150 homes may have sustained damages up to approximately one million dollars. Roads and bridges sustained an additional one million dollars damage.			\$2,000,000		\$2,000,000	ADEM, 2008 NCDC, 2008	
2/16/2005	Flooding / Flash Flooding	25005	\$4,669,352	3/14/2005	1586-DR	\$9,536,276	Gila, Graham, Greenlee, Pinal, Yavapai, Maricopa, Mohave	A strong storm system drew moist subtropical air from the Pacific to give northern Arizona widespread moderate to heavy rains. This precipitation event began Thursday night (02/10) and lasted through the early hours on Sunday (02/13). Rainfall totals of 2 to 3 inches were common in many locations...with locally heavier amounts found in portions of Yavapai and Northern Gila counties. Flooding caused road closures in Black Canyon City, Walker, Pinedale, and Globe. Paper Mill Road in Snowflake was washed out by the flood waters. Highway 377 was closed due to flooding between Heber and Holbrook. A trailer park in Black Canyon City was evacuated before the water rose into the parking lot. No trailers were damaged. Minor pasture flooding was reported in Cornville. A trailer park in the community of Tonto Creek was evacuated. Flood waters entered homes in Porter Creek Estates (near Show Low). The Gila River at the Town of Duncan had moderate flooding and the smaller dikes broke allowing water to backup into the town. Damage occurred to a residence near Duncan High School, and a trailer downstream of the high school. Also, U.S. Highway 70 near the high school was covered with four feet of water and the approach ramps to the highway were overtopped with flowing water. East Avenue and low lying areas in the west end of the Town of Duncan were evacuated on the evening of Saturday February 12, 2005. The railroad tracks also on the west end of Duncan were covered with water and power went out in the west side of the town. The San Francisco River at the Town of Clifton had minor flooding reported. There was no damage reported in the Town of Clifton. However, there was water to the bottom of the Railroad Bridge which stopped railroad traffic from the Morenci Mine and minor overflow of the river in the northern end of Clifton. Also, the town gates, designed to divert water away from the Town of Clifton were closed, isolating the town from road and railroad access from the north. The Town of Solomon at the Gila River reported minor flooding. The Solomon Road, Pima Road, and Thatcher Road bridge approaches were all flooded and closed. U.S. Highway 70 Bridge near Bylas was also flooded and closed.			\$1,500,000		\$1,500,000	ADEM, 2008 NCDC, 2008	

State of Arizona Declaration				Federal Presidential Declaration			Counties Affected	Description	Fatalities	Injuries	Damage Estimates			
Date	Hazard	State PCA No.	Expenditures	Date	ID	Expenditures					Property	Crop/Livestock	Total	Sources
2/22/2006	Wildfire	26006	\$192,390				Statewide	On February 22, 2006, the Governor declared an emergency due to the driest winter in recorded history coupled with above average temperatures and the earliest recorded start to a wildfire season. The entire state was threatened by extreme wildfire hazards. The 2006 state wildfire suppression resources strategy required additional financial support. The declaration provided \$200,000 for pre-suppression resources to the Arizona State Land Department, Office of State Forester and the Arizona Division of Emergency Management.					\$0	ADEM, 2008
6/23/2006	Infestation	26008	\$743,000				Cochise, Maricopa, Pima, Pinal, Santa Cruz, Yuma	Glassy-winged sharpshooter infestation - The Glassy-Winged Sharpshooter is a known vector of Xyella fastidiosa, a bacteria that causes plant diseases such as Pierce's disease of grapes, almond leaf scorch, alfalfa dwarf, oleander leaf scorch, and citrus verigated chlorosis, that threaten the viability of wine, citrus and other agricultural and horticultural industries as well as public landscapes. The Glassy-Winged has been detected in Arizona in a small isolated location in the city of Sierra Vista, Cochise County. The Arizona Department of Agriculture has been placing detection traps, monitoring and eradicating the Sharpshooter.					\$0	ADEM, 2008
9/14/2007	Flooding / Flash Flooding	28002	\$200,000				Maricopa, Mohave	On September 14, 2007, the Governor declared a state of emergency for a series of potent monsoon storms and flash floods throughout several communities in Arizona, specifically Mohave County, the Town of Cave Creek and the Town of Mammoth from July 21 – August 6, 2007 and allocated \$200,000 to this emergency.					\$0	ADEM, 2008

**Maricopa County Historic Hazard Events  
June 1955 to September 2008**

<b>Hazard</b>	<b>No. of Records</b>	<b>Recorded Losses</b>		
		<b>Fatalities</b>	<b>Injuries</b>	<b>Damage Costs (\$)</b>
Drought	0	0	0	\$0
Dam Failure	1	0	0	\$0
Earthquake	0	0	0	\$0
Fissure	2	0	0	\$2,500
Flooding / Flash Flooding	31	9	7	\$101,610,500
Landslide / Mudslide	0	0	0	\$0
Levee Failure	0	0	0	\$0
Snow Storm	4	1	0	\$115,000
Sleet / Freezing Rain	0	0	0	\$0
Subsidence	2	0	0	\$4,170,000
Thunderstorm / High Wind	193	6	144	\$421,055,000
Tornado	44	0	57	\$37,220,900
Tropical Storm / Hurricane	0	0	0	\$0
Wildfire	4	0	0	\$0

Notes:

- No attempt has been made to adjust Damage Costs to current dollar values



Date	Hazard	Description	Location	Fatalities	Injuries	Damage Estimates			
						Property	Crop/Livestock	Total	Source
15-Jun-72	Flooding / Flash Flooding	Flood damages in Maricopa County were over \$8,000,000. Scottsdale and Phoenix were hit the hardest.		0	0	\$8,000,000		\$8,000,000	ADEM, 2008
02-Mar-78	Flooding / Flash Flooding	For Maricopa County, the storm centered over the mountains north and east of Phoenix, 35 miles north at Rock Springs. Extrapolation of intensity-probability data: 5.73 in./ 24 hr. equates to a 400 yr. storm. Main source of flooding due to Verde River with runoff volume exceeding reservoir storage capacity above Bartlett Dam. Flooding also occurred along irrigation canals on north side of metro area, and along tributaries of the Gila River and Queen Creek. 1 death-countywide. Total damage costs: \$37 million: \$3.1 million-residential, \$16 million-public, \$4 million-agriculture, \$7.8 million-industrial, \$0.75 million-commercial. "Flood Damage Report, 28 February-6 March 1978 on the storm and floods in Maricopa County, Arizona", U.S. Army Corps of Engineers, Los Angeles District, FCDCM Library #802.024.		1	0	\$33,000,000	\$4,000,000	\$37,000,000	Flood Damage Report, 28 February-6 March 1978 on the storm and floods in Maricopa County, Arizona, U.S. Army Corps of Engineers, Los Angeles District, FCDCM Library #802.024.
08-Jan-93	Flooding / Flash Flooding	The new Mill Avenue Bridge was washed away by the raging Salt River. A large landfill in Mesa was washed away. The Gillespie Dam west of Phoenix was damaged as high water spread throughout low-lying areas. Many roads closed and motorists stranded by flooded dips and washes. Phoenix alone sustained at least \$4.2 million in damages from this prolonged period of heavy rains. This January was the wettest January on record with 5.22 inches at the airport. It was also the 4th all-time wettest month. Total rainfall for both December and January was 8.30 inches; this was the greatest ever for any two consecutive months. Arizona experienced its worst flooding in a decade as record rainfall and associated flooding forced many from homes and disrupted business. The Red Cross reported 678 dwellings destroyed or damaged. Early estimates of damage were at least \$56 million statewide. A Presidential Federal Disaster Declaration was requested and signed by the President on January 19th. Several storm systems affected the state before the major storm arrived during the night of January 7-8. Significant precipitation of two to three inches were reported in a few sites between Phoenix and the Mogollon Rim. Moist low-level flow was forced upward and resulted in heavy rain and snow in the highest elevations. Periods of heavy rainfall resulted from the interaction of dynamic forcing and convective instability. The most significant flash flood events occurred when convective rains fell on watersheds already saturated from earlier rainfall. Another factor contributing to the unusually high runoffs and associated flooding was snow melt. The snow level during the 6th to the 8th rose to about 8,500 feet, several thousand feet above typical snow levels. In summary, the combination of a northward-displaced subtropical jet, with its abundant moisture supply and associated disturbances, and a southward-displaced polar jet, with its storm track, led to the abnormally wet period from just after Christmas to mid-January.	Countywide	0	1	\$34,500,000	\$3,500,000	\$38,000,000	Flood Damage Report, State of Arizona, Floods of 1993, U.S. Army Corps of Engineers, Los Angeles District, August 1994.  NCDC, 2008
20-Jan-93	Flooding / Flash Flooding	While attempting to cross the swollen Agua Fria River, a man fell off his horse and drowned. His body was found 3 miles downstream.(M210)	New River	1	0	\$0	\$0	\$0	NCDC, 2008
12-Feb-93	Flooding / Flash Flooding	The National Guard was called out to repair and reinforce the dike around San Lucy cemetery, near Gila Bend. Three houses north of Gila Bend were inundated from the rising water from Painted Rock Reservoir. Crops and fields were also inundated by floodwaters.	Gila Bend	0	0	\$50,000	\$5,000,000	\$5,050,000	NCDC, 2008
14-Feb-95	Flooding / Flash Flooding	A man died and three others were injured in a vehicle accident during a heavy down pour of rain. (M47V)	Phoenix	1	3	\$0	\$0	\$0	NCDC, 2008

Date	Hazard	Description	Location	Fatalities	Injuries	Damage Estimates			
						Property	Crop/Livestock	Total	Source
15-Feb-95	Flooding / Flash Flooding	Heavy rains fell on the Salt and Verde water sheds during February the 13th through the 15th. This combined with rain falling on snow pack in the higher mountains of central and northern Arizona lead to flooding and flash flooding. The Verde and Salt water sheds averaged 2.16 and 1.27 inches of rain, respectively, between the morning of February the 13th and the morning of February the 15th. During the night of February the 14th, remote rain gages at Camp Wood, Highland Pine, and Groom Creek, located in the Bradshaw Mountains, reported 5.12 inches of rain, 4.5 inches, and 4.3 inches, respectively. Record flows were observed on the Verde River, at Camp Verde, when the flow peaked at 70,000 cubic feet per second. Flooding was observed downstream at Cornville, where about 60 families were evacuated, another 20 families were evacuated from Camp Verde. Rest areas on Interstate 17, 12 northeast Camp Verde were under water. Automobile size boulders blocked Highway 87, north of Payson. Several people were rescued from Turtle Island, in Oak Creek Canyon. Low land flooding occurred along the Hassayampa and Agua Fria Rivers, also along Tonto Creek. Flood waters from the Hassayampa River, near Wickenburg, washed out 300 to 400 feet of fence, some granite fill, and a blimp hangar. Damage was estimated at \$5,500. Five bridges in Coconino County, around the Sedona area sustained minor damage, estimated at \$80,000. The park area of Los Abridados Resort, near Sedona, was completely under water, and a gazebo was destroyed. Damage was estimated at \$20,000. Numerous roads were under water and damaged in Oak Creek Canyon, Kachina Village, and behind Lake Mary. These damages were estimated at \$500,000.	Wickenburg	0	0	\$5,500	\$0	\$5,500	NCDC, 2008
28-Mar-98	Flooding / Flash Flooding	Three members of a Boy Scout troop perished after their sport utility vehicle was swept out from under them. The scouts tried to cross a running wash near Sunflower. Occasionally heavy rain showers persisted in the area throughout the afternoon and early evening.	Sunflower	3	0	\$0	\$0	\$0	NCDC, 2008
14-Jul-99	Flooding / Flash Flooding	Major storm hit most of the Phoenix metropolitan area with numerous reports of street flooding. At least a half-dozen swift-water rescues, including a dramatic rescue by MCSO helicopter covered by local TV. No major injuries. Freeways and other major roads flooded. Three elderly south Phoenix women momentarily were trapped when their mobile home collapsed in driving rain. The roof of a major business collapsed in Phoenix.	Mesa	0	0	\$80,000	\$0	\$80,000	NCDC, 2008
21-Oct-00	Flooding / Flash Flooding	A spotter in Wickenburg reported that route 93 was closed north of Wickenburg due to high water. Sols wash was out of its banks and flooded Coffinger Park as well as nearby homes. The Vulture Mine road was closed and motorists had to be rescued. Flood waters produced considerable damage to melon and cotton crops in this rural area of northwest Maricopa County. The roads around Aguila were closed for several hours.	Aguila	0	0	\$2,000,000	\$1,000,000	\$3,000,000	NCDC, 2008

Date	Hazard	Description	Location	Fatalities	Injuries	Damage Estimates			
						Property	Crop/Livestock	Total	Source
27-Oct-00	Flooding / Flash Flooding	The second major storm in a week left considerable flooding in both rural and urban areas. A trailer park in Aguila and another in Buckeye had to be evacuated. Homes in Peoria, Youngtown, Surprise and surrounding areas reported flooding. The hardest hit was the Ventana Lakes subdivision of Peoria. This area experienced record or near record monthly rainfall totals; one unofficial gauge 15 miles east of Aguila registered 8.79 inches for the month! A gauge in Aguila had 5.05 inches for the month. Department of Transportation estimate of damage to roads and bridges alone was \$1,000,000. Dikes and ditches in the agricultural areas sustained major damage in addition to crop losses.	Aguila	0	0	\$2,000,000	\$1,000,000	\$3,000,000	NCDC, 2008
13-Aug-03	Flooding / Flash Flooding	Flash flood in Sols Wash swept the vehicle downstream from Vulture Mine Road	Wickenburg	1	0	\$0	\$0	\$0	NCDC, 2008
28-Aug-03	Flooding / Flash Flooding	Locally heavy rainfall affected a large part of the Phoenix metro area late Tuesday the 26th. The heaviest rain fell north of Sun City where one gage near Surprise recorded about 4 inches. More than 2 inches fell at Antelope Creek near Wickenburg. Washes overflowed and roads were flooded. Several swift water rescues were performed between 183rd Avenue and 187th Avenue. Several homes were damaged by flooding.	North Central Portion	0	0	\$50,000	\$0	\$50,000	NCDC, 2008
04-Sep-03	Flooding / Flash Flooding	Flash Flooding at the entrance to the White Tank Mountain Regional Park near the intersection of Olive Rd and Citrus Rd. Very heavy rain occurred in the area between 7:00 PM and 9:00 PM MST. A vehicle with two male occupants was swept off of Olive Rd. around 8:30 PM MST. The two occupants attempted to leave the vehicle and were swept down the wash approximately 60 yards. A swift water rescue by law enforcement had to be conducted after they became trapped in rushing water approximately 3 feet deep. The individuals suffered minor injuries (cuts and bruises) as a result of the incident.	Waddell	0	2	\$0	\$0	\$0	NCDC, 2008
30-Jul-05	Flooding / Flash Flooding	Very heavy rainfall, about 2 inches per hour, caused flooding of low spots and washes. The peak flow in Hartman Wash, was reported as 1200 cfs. Major damage occurred at Bear Cat Manufacturing where a large robotic welding building was destroyed by the flood.	Wickenburg Muni Arprt	0	0	\$3,000,000	\$0	\$3,000,000	NCDC, 2008
02-Aug-05	Flooding / Flash Flooding	One of the heaviest rainfall events of the 2005 season struck the greater Phoenix metropolitan. Almost 3 inches of rain fell at many locations in the metro, causing roofs to collapse and streets to flood quickly. Up to 120 residents at the Crystal Creek Apartments in Phoenix were evacuated after 83 apartment units were damaged by flood waters. Additional roof damage was reported at the Scottsdale Community College, and Osco Drug store in Mesa, and a Fry's grocery store in Tempe.	Phoenix	0	0	\$1,000,000	\$0	\$1,000,000	NCDC, 2008
09-Aug-05	Flooding / Flash Flooding	Heavy rains during the afternoon flooded highways and roads. A few business buildings and residential homes were damaged by flash flood waters. An off-duty National Weather Service employee reported that a two hour rainfall of 3.18 inches occurred prior to 17:30 MST.	Mesa	0	0	\$50,000	\$0	\$50,000	NCDC, 2008

Date	Hazard	Description	Location	Fatalities	Injuries	Damage Estimates			
						Property	Crop/Livestock	Total	Source
09-Aug-05	Flooding / Flash Flooding	Heavy rains from widespread thunderstorms caused flash flood waters to over-flow washes from New River east to the Seven Springs area and Camp Creek. Rainfall runoff was higher than normal in the Cave Creek Complex area and contributed significantly to the rapid flooding. The first fatality involved a pickup truck with a horse trailer; the driver attempted to drive on a flooded road and the vehicle was swept away drowning the driver. The second fatality involved a seven year old girl who was being evacuated from a home along Camp Creek. The rescuer and the young girl attempted to cross the flooded creek on foot where the girl slipped from the grasp of the adult and was swept away and drowned.	New River	2	0	\$300,000	\$0	\$300,000	NCDC, 2008
31-Aug-06	Flooding / Flash Flooding	Very heavy rainfall...up to 1.61 inches...left many washes and streets flooded in the Wittmann area. Up to 6 inches of water was flowing across U.S. 60 at one point. One half inch of rain fell in Wickenburg in less than an hour. Small hail accompanied some of the heavy showers and thunderstorms.C227	Wittmann	0	0	\$5,000	\$0	\$5,000	NCDC, 2008
09-Sep-06	Flooding / Flash Flooding	Several roads reported flooded in town after torrential rainfall hit in a short period. One gauge indicated nearly 2 inches in 30 minutes. A wash overflowed its banks, flooding a nearby home with water up to 18 inches deep.	Wickenburg	0	0	\$100,000	\$0	\$100,000	NCDC, 2008
21-Jul-07	Flooding / Flash Flooding	Heavy rains fell at Queen Creek, with 1.61 inches at the Queen Creek landfill and 1.54 inches at East Maricopa Floodway and Queen Creek Road. High water forced road closures at Hunt and Ellsworth and the Magic Ranch subdivision. At least one car stalled in high water at Hunt Highway and Hawes. Portions of three counties experience flash flooding.	Queen Creek	0	0	\$20,000	\$0	\$20,000	NCDC, 2008
23-Jul-07	Flooding / Flash Flooding	Thunderstorms and very heavy rainfall spread across much of the area. A spotter in Carefree reported 1.5 inches of rain in less than one hour...and many roads and low spots were flooded. A wastewater treatment plant and a park was damaged in Carefree. Flooding was reported in Queen Creek, where a water line was damaged from the flash flood and resulted in the closure of Higley Road. A large ground fissure resulted from flooding at Queen Creek and 195th Street, and near Happy Road south of San Tan Blvd. One horse was reported killed in this fissure. Very moist and unstable air resulted in widespread showers and thunderstorms across much of South-Central Arizona. Many roads and low spots became flooded by late afternoon.	Cave Creek	0	0	\$200,000	\$0	\$200,000	NCDC, 2008
25-Jul-07	Flooding / Flash Flooding	About 1.5 inches of rain in less than an hour resulted in flooding in Wickenburg. Torrential rainfall rates, about 2 inches per hour, fell in Phoenix. A roof of a central Phoenix Safeway store caved in due to the rainfall. Phoenix Fire Department rescued a 12 year-old from a flooded area near 35th Avenue and Loop 101. Scattered thunderstorms and moderate to heavy rainfall spread across many desert areas.	Wickenburg	0	0	\$100,000	\$0	\$100,000	NCDC, 2008
26-Jul-07	Flooding / Flash Flooding	A vehicle attempted to cross a flooded roadway and became stranded and quickly flipped over. Bystanders at nearby Phoenix International Raceway pulled four young people from the pickup. TV images showed the bystanders breaking out the windows, reaching inside the overturned pickup, and tossing the two young children to other rescuers. Afternoon thunderstorms and very heavy rainfall resulted in flooding.	Avondale	0	1	\$5,000	\$0	\$5,000	NCDC, 2008

Date	Hazard	Description	Location	Fatalities	Injuries	Damage Estimates			
						Property	Crop/Livestock	Total	Source
30-Jul-07	Flooding / Flash Flooding	Locally heavy rains resulted in flooded streets and considerable water in washes and other low-lying areas. A car stalled at Country Club Drive underneath the Broadway Road bridge where about 2 feet of water had accumulated. Several water rescues were made when vehicles became stuck in flooded areas on Carefree highway. Heavy rains first hit the northwest part of Maricopa County, then spread into the Metro Phoenix area. Many streets were flooded, trees downed and considerable property damage.	Aguila	0	0	\$150,000	\$0	\$150,000	NCDC, 2008
31-Jul-07	Flooding / Flash Flooding	Roads closed in north Scottsdale. At least 6 water rescues. Several automatic gauges reported between 1.5 and 2.0 inch per hour rainfall rates. Floodwaters caused \$2 million of damage at Desert Sun Elementary School in North Scottsdale. Very heavy rainfall accompanied thunderstorms over much of Maricopa County. Strong and gusty winds were also reported with some of the more intense storms.	Scottsdale Muni	0	0	\$2,000,000	\$0	\$2,000,000	NCDC, 2008
01-Dec-07	Flooding / Flash Flooding	Several spotters reported flooding of roads in the Cave Creek area. Washes and low spots draining into the Cave Creek were also flooded. Additional reports of flooding were received. One of the heaviest 24 hour amounts was 3.94 inches at Fraesfield Mountain in Carefree. Locally heavy rains and the resulting runoff contributed to flooded roads in North Central Maricopa County.	Cave Creek	0	0	\$20,000	\$0	\$20,000	NCDC, 2008
07-Jan-08	Flooding / Flash Flooding	Emergency crews rescued a 61 year old man who attempted to drive his pickup truck across Cave Creek Wash at Desert Hills Road. The last in a series of storm systems resulted in heavy rainfall in a few areas. Carefree Ranch reported a 24 hour total of 1.30 inches on Monday. The runoff from these recent rains left some low spots and highway dips flooded. Motorists who tried to cross low spots and washes in northern Maricopa County had to be rescued.	Cave Creek	0	0	\$5,000	\$0	\$5,000	NCDC, 2008
13-Jul-08	Flooding / Flash Flooding	A record daily maximum rainfall of 1.30 inches was set at Sky Harbor Airport. Other reports of heavy rain included .90 inch in 20 minutes in Tempe, and 1.00 inch in 20 minutes near Wickenburg. Showers and thunderstorms produced very heavy rainfall totals across parts of South-Central Arizona.	Sky Harbor Int Arpt	0	0	\$20,000	\$0	\$20,000	NCDC, 2008
13-Jul-08	Flooding / Flash Flooding	Numerous streets and highways reported flooded in Phoenix and Tempe. One spotter near Guadalupe and McClintock picked up 2 1/2 inches in just 45 minutes. One unofficial report near Baseline and I-10 included 3.75 inches from this storm. A roof of a charter school in Ahwatukee was reported to have collapsed from the accumulated rain water. Showers and thunderstorms produced very heavy rainfall totals across parts of South-Central Arizona.	Buckhorn	0	0	\$400,000	\$0	\$400,000	NCDC, 2008
28-Aug-08	Flooding / Flash Flooding	Many reports of large hail that accompanied several waves of thunderstorms across the city of Phoenix. Several waves of severe thunderstorms moved westward across the central and eastern portions of Maricopa County. Upper level winds were stronger than usual, and copious moisture combined with warm temperatures allowed storms to redevelop well into the night. Winds over 80 mph were noted in parts of Phoenix and Tempe. Nearly continuous lightning was also observed during the peak of the activity. Fortunately, no fatalities were associated with these severe storms.	West Chandler	0	0	\$50,000	\$0	\$50,000	NCDC, 2008
06-Jan-97	Snow Storm	A cold winter storm created snowfall at unusually low elevations. A trace of snow was recorded at Tucson, and 4 to 10 inches at elevations between 4000 and 6000 feet. This storm closed schools, stranded many motorists, caused broken water pipes, and caused the death of many ostriches at commercial farms. C103		0	0	\$100,000	\$0	\$100,000	NCDC, 2008

Date	Hazard	Description	Location	Fatalities	Injuries	Damage Estimates			
						Property	Crop/Livestock	Total	Source
01-Apr-99	Snow Storm	Rain, wind, and snow in the mountains spread across a large part of Arizona. Snow was reported at the 3600 foot elevation in Carefree, north of Phoenix. Several inches of snow fell in parts of Gila County where roofs were damaged and trees taken down by snow at Top of the World, near Globe. Three inches of snow canceled play Friday at the Tradition golf tournament in north Scottsdale, and the final round on Sunday was canceled. A rock slide disrupted traffic at Gonzalez Pass west of Miami, Arizona.		0	0	\$10,000	\$0	\$10,000	NCDC, 2008
05-Mar-00	Snow Storm	Snow accumulated to between 2 and 4 inches in the higher elevations of southern Gila county and northern Maricopa county. A hiker died along the Seven Springs trail, northwest of Bartlett Lake, due to hypothermia.		1	0	\$0	\$0	\$0	NCDC, 2008
11-Mar-06	Snow Storm	Power to a number of communities was knocked out as heavy snow broke tree limbs and took out power lines. At one point, 20,000 APS customers were without power, mainly affecting Globe, Miami, and Superior. Numerous trees and branches were down at the Boyce Thompson Arboretum near Superior. Unusually heavy snow was reported from observers in areas to the north and east of the Phoenix metro area, with 10 inches on the ground at Punkin Center. Heavy rainfall also occurred at Queen Creek, where one gauge recorded 3.39 inches up to 9 pm Saturday. This event also ended the 143-day record long streak of days without any measurable rain in Phoenix.		0	0	\$5,000	\$0	\$5,000	NCDC, 2008
20-Sep-92	Subsidence	Subsidence near the base led to flow reversal in a portion of the Dysart Drain, an engineered flood conveyance. On September 20, 1992, surface runoff from four inches of precipitation caused the sluggish Dysart Drain to spill over flooding the base runways, damaging more than 100 homes, and forcing the base to close for 3 days. Total damage was on the order of \$3 million	Litchfield Park	0	0	\$3,000,000	\$0	\$3,000,000	Schumann, H. H. (1995). Land Subsidence and Earth fissure hazards near Luke Air Force Base, Arizona. In K. R. Prince, D. L. Galloway, & S. A. Leake (Eds.), U.S. Geological Survey subsidence interest group conference, Edwards Air Force Base, Antelope Valley, California, November 18–19, 1992—abstracts and summary (pp. 18-21). Sacramento, CA: U.S. Geological Survey. (Open-File Report No. 94-532)
01-Jan-92	Subsidence	Sections of the CAP canal in Scottsdale traverse an area that has subsided up to 1.5 feet over a 20-year period, threatening the canal's maximum flow capacity. In response, CAP raised the canal lining 3 feet over a one-mile segment of affected area at a cost of \$350,000. A second and much larger subsidence area was later identified near the Scottsdale Airpark. Plans for raising the canal lining will cost an estimated \$820,000. Recently, a third subsidence area has been identified east of the Scottsdale Airpark in the Scottsdale WestWorld area. This happened in spite of the fact that during the original design phase, CAP Engineers showed considerable foresight in mapping a route to minimize the likelihood of encountering zones of subsidence	Scottsdale	0	0	\$1,170,000	\$0	\$1,170,000	Gelt, J. (1992, Summer). Arroyo, 6(2). University of Arizona Water Resources Research Center (Ed.). Retrieved from <a href="http://www.ag.arizona.edu/AZWATER/arroyo/062land.html">http://www.ag.arizona.edu/AZWATER/arroyo/062land.html</a>
29-Jul-85	Thunderstorm / High Wind			0	6	\$0	\$0	\$0	NCDC, 2008
29-Jul-85	Thunderstorm / High Wind			0	6	\$0	\$0	\$0	NCDC, 2008

Date	Hazard	Description	Location	Fatalities	Injuries	Damage Estimates			
						Property	Crop/Livestock	Total	Source
29-Jul-85	Thunderstorm / High Wind			0	12	\$0	\$0	\$0	NCDC, 2008
25-Jun-86	Thunderstorm / High Wind			0	1	\$0	\$0	\$0	NCDC, 2008
29-Oct-87	Thunderstorm / High Wind			0	4	\$0	\$0	\$0	NCDC, 2008
10-Jul-88	Thunderstorm / High Wind			1	6	\$0	\$0	\$0	NCDC, 2008
28-Jul-88	Thunderstorm / High Wind			0	1	\$0	\$0	\$0	NCDC, 2008
29-Jul-88	Thunderstorm / High Wind			0	1	\$0	\$0	\$0	NCDC, 2008
14-Oct-88	Thunderstorm / High Wind			0	3	\$0	\$0	\$0	NCDC, 2008
17-Aug-89	Thunderstorm / High Wind			0	1	\$0	\$0	\$0	NCDC, 2008
08-Feb-93	Thunderstorm / High Wind	Large trees were blown down and a plate glass window was destroyed.	Phoenix	0	0	\$500	\$0	\$500	NCDC, 2008
12-May-93	Thunderstorm / High Wind	Straight line winds snapped off about 20 power poles, blew shingles off the roof of the Super 8 motel, and damaged a storage shed. Power was off for much of this area for most of the day.	Gila Bend	0	0	\$50,000	\$0	\$50,000	NCDC, 2008
05-Aug-93	Thunderstorm / High Wind	Strong winds from nearby thunderstorms exceeded 50 mph in many areas of the Valley. Homes and businesses sustained damage, trees were uprooted and power lines were downed. Arizona Public Service reported 10,000 customers without power. An 8-year-old boy in Avondale was severely injured just after 1800 MST when a window burst and glass cut his jugular vein. The roof of a convenience store was blown off, as well as some damage to a church and an elementary school. A 1-mile section of a 69,000-volt power line near Perryville was knocked down. High winds blew tree limbs onto power poles and took shingles off several homes.	Mesa	0	0	\$50,000	\$0	\$50,000	NCDC, 2008
05-Aug-93	Thunderstorm / High Wind	Strong winds from nearby thunderstorms exceeded 50 mph in many areas of the Valley. Homes and businesses sustained damage, trees were uprooted and power lines were downed. Arizona Public Service reported 10,000 customers without power. An 8-year-old boy in Avondale was severely injured just after 1800 MST when a window burst and glass cut his jugular vein. The roof of a convenience store was blown off, as well as some damage to a church and an elementary school. A 1-mile section of a 69,000-volt power line near Perryville was knocked down. High winds blew tree limbs onto power poles and took shingles off several homes.	Avondale	0	1	\$5,000,000	\$0	\$5,000,000	NCDC, 2008
06-Aug-93	Thunderstorm / High Wind	One mobile home overturned due to high winds. Several power poles blown down near Palo Verde Nuclear Generating Station. About 5,000 homes near Sun City were left without electricity.	Phoenix	0	0	\$50,000	\$0	\$50,000	NCDC, 2008
08-Aug-93	Thunderstorm / High Wind	Thunderstorms downed power lines and caused minor damage to a home.	Buckeye	0	0	\$5,000	\$0	\$5,000	NCDC, 2008
09-Aug-93	Thunderstorm / High Wind	The Mountain Gate Mobile Home Park was hit by strong winds from thunderstorms that moved north through the city. Seventy-six units were damaged, with six being destroyed and four having major damage. About 10,000 customers lost power for varying amounts of time.	Phoenix	0	0	\$500,000	\$0	\$500,000	NCDC, 2008
20-Aug-93	Thunderstorm / High Wind	Many roofs were damaged as this storm moved rapidly north through Mesa. Most of the damage was near Brown and Power roads. In nearby Fountain Hills, more homes sustained roof damage, trees uprooted as winds reached an estimated 70 mph. In the area, up to 36 power poles were downed by the high winds.	Fountain Hills	0	0	\$500,000	\$0	\$500,000	NCDC, 2008
20-Aug-93	Thunderstorm / High Wind	Many roofs were damaged as this storm moved rapidly north through Mesa. Most of the damage was near Brown and Power roads. In nearby Fountain Hills, more homes sustained roof damage, trees uprooted as winds reached an estimated 70 mph. In the area, up to 36 power poles were downed by the high winds.	Mesa	0	0	\$500,000	\$0	\$500,000	NCDC, 2008

Date	Hazard	Description	Location	Fatalities	Injuries	Damage Estimates			
						Property	Crop/Livestock	Total	Source
11-Mar-94	Thunderstorm / High Wind	A seven car accident was blamed on low visibility due to dense blowing dust at Interstate 10 and Maricopa Road. Two minor injuries were reported.	Tempe	0	2	\$0	\$0	\$0	NCDC, 2008
25-May-94	Thunderstorm / High Wind	About ten trees, one of which was a 60-foot-tall Eucalyptus tree, were uprooted or snapped in half by a thunderstorm microburst which roared through a condominium complex in far north Scottsdale. Some tiles were ripped off roofs, and a few car windows were also broken. One car was severely damaged when the Eucalyptus tree toppled onto it.	Phoenix	0	0	\$50,000	\$0	\$50,000	NCDC, 2008
28-Jul-94	Thunderstorm / High Wind	A cluster of severe thunderstorms moved west across the Phoenix metropolitan area between 7 and 8 pm. The thunderstorms toppled and uprooted large trees, blew shingles off roofs, and downed power lines. Lightning also struck a manufacturing plant, and the resulting fire destroyed the building and its contents.	Phoenix	0	0	\$5,000,000	\$0	\$5,000,000	NCDC, 2008
02-Sep-94	Thunderstorm / High Wind	Severe thunderstorms ripped through the greater Phoenix area with winds in Chandler estimated between 60-65 mph. A weather spotter at 7th St. and Glendale Ave. measured 1.75 inch rain in 50 minutes. Phoenix Sky Harbor Airport, received 1.36 inch. Extensive street flooding was reported around the valley with water three to five feet deep in some underpasses. Numerous trees, both medium and large were blown down. A house caught fire from lightning. A roof and air conditioning unit were blown off a house on 15th Ave., south of Indian School Road. Over 129,000 customers lost power. Seventy power poles were blown down in the Queen Creek area, and another 50 poles near 7th Avenue and Baseline Road. Thunderstorm winds blew out a store front window causing an estimated \$6000 damage. A 22-year-old man was killed by lightning while trying to retrieve his vehicle in a parking lot. (O22M)	Chandler	0	0	\$50,000	\$0	\$50,000	NCDC, 2008
02-Sep-94	Thunderstorm / High Wind	Severe thunderstorms ripped through the greater Phoenix area with winds in Chandler estimated between 60-65 mph. A weather spotter at 7th St. and Glendale Ave. measured 1.75 inch rain in 50 minutes. Phoenix Sky Harbor Airport, received 1.36 inch. Extensive street flooding was reported around the valley with water three to five feet deep in some underpasses. Numerous trees, both medium and large were blown down. A house caught fire from lightning. A roof and air conditioning unit were blown off a house on 15th Ave., south of Indian School Road. Over 129,000 customers lost power. Seventy power poles were blown down in the Queen Creek area, and another 50 poles near 7th Avenue and Baseline Road. Thunderstorm winds blew out a store front window causing an estimated \$6000 damage. A 22-year-old man was killed by lightning while trying to retrieve his vehicle in a parking lot. (O22M)	Tempe	1	0	\$0	\$0	\$0	NCDC, 2008
04-Sep-94	Thunderstorm / High Wind	About 100 trees were uprooted by thunderstorm winds at a Scottsdale country club. Damage was estimated at \$50,000.	Scottsdale	0	0	\$500,000	\$0	\$500,000	NCDC, 2008
13-Sep-94	Thunderstorm / High Wind	A micro burst struck a school building at the Littleton Elementary School in the community of Cashion, two miles SW of Tolleson. The roof was torn off about eight classrooms with one teacher and eight children being injured. A National Weather Service Storm Survey Team estimated winds of 100 mph. A teacher reported the ground covered with hail, some golf ball-size. A weather spotter at 75th Avenue and Camelback Road reported 1.25 hail. A mile long stretch of power poles were downed near 107th Avenue and Interstate 10. Damage to the school was estimated in excess of \$500,000.	Cashion	0	9	\$5,000,000	\$0	\$5,000,000	NCDC, 2008

Date	Hazard	Description	Location	Fatalities	Injuries	Damage Estimates			
						Property	Crop/Livestock	Total	Source
21-Feb-95	Thunderstorm / High Wind	Three ground crew personnel were injured by a lightning strike, at Phoenix Sky Harbor Airport. An aircraft was being moved when lightning struck the tail of the plane.	Phoenix	0	3	\$0	\$0	\$0	NCDC, 2008
28-Jul-95	Thunderstorm / High Wind	Strong microburst winds from a high-based thunderstorm moved through the Litchfield Park area around 2050 MST. A spotter in Litchfield Park reported roof and tree damage. At the Wigwam Resort, a palm tree and tennis court lights were blown over. At 2305 MST, a store window in Mesa was blown out by microburst winds. Thunderstorm winds up to 70 mph were reported in northwest Phoenix which blew off roofing material, and downed trees and power lines. A high school gymnasium in Scottsdale sustained roof damage from microburst winds which will cost around \$98,000 to repair.	Scottsdale	0	0	\$98,000	\$0	\$98,000	NCDC, 2008
27-Sep-95	Thunderstorm / High Wind	A wet microburst hit the town of Queen Creek. A tree was blown over onto a house. A large potato storage shed was destroyed. Wood and metal from the shed along with hail were blown into 12 nearby school buses damaging them all. An office roof was torn off at Queen Creek High School. The high school also had four other roofs and numerous air conditioning units damaged as well as broken windows. An estimated 4,000 to 6,000 acres of cotton in nearby fields were destroyed by wind and hail.	Queen Creek	0	0	\$100,000	\$0	\$100,000	NCDC, 2008
28-Sep-95	Thunderstorm / High Wind	An 80-foot tree crashed into a mobile home bedroom. Numerous reports of downed trees in the area.	Chandler	0	0	\$1,500	\$0	\$1,500	NCDC, 2008
01-Nov-95	Thunderstorm / High Wind	In Glendale, a Salt River Project utility worker received a minor shock when lightning struck about 150 feet away from his pickup. He was treated at the scene and released.	Phoenix	0	1	\$0	\$0	\$0	NCDC, 2008
01-Feb-96	Thunderstorm / High Wind		Apache Junction	0	1	\$0	\$0	\$0	NCDC, 2008
25-Feb-96	Thunderstorm / High Wind	Thunderstorm winds caused damage to 10 mobile homes at the Silveridge RV Resort in East Mesa.	Mesa	0	0	\$5,000	\$0	\$5,000	NCDC, 2008
25-Jul-96	Thunderstorm / High Wind	Strong thunderstorm winds with visibilities reduced by dust toppled a double wide mobile home in transit on I-10 near Picacho.		0	0	\$30,000	\$0	\$30,000	NCDC, 2008
25-Jul-96	Thunderstorm / High Wind	An Aircoupe aircraft was damaged beyond repair when strong winds flipped the plane over. Minimal damage was sustained by two other planes when one blew into the other. Out of a total of 116 hangars at the Chandler Airport, 24 were damaged. Two hangars had door sections torn loose. One hangar door was blown 200 feet.	Chandler Arprt	0	0	\$30,000	\$0	\$30,000	NCDC, 2008
14-Aug-96	Thunderstorm / High Wind	Every town in the western half of the Phoenix Metropolitan Area reported some damage. The hardest hit areas were in northwest Phoenix, Glendale, and Peoria. Other towns that sustained damage were Sun City, Surprise, El Mirage, Tolleson, Avondale, Goodyear, and Buckeye. Approximately 400 power poles were knocked down throughout these towns, 100 owned by SRP and 300 owned by APS. There were from 70,000 to 75,000 homeowner claims for about \$100 million in damage.	Phoenix	0	0	\$100,000,000	\$0	\$100,000,000	NCDC, 2008
14-Aug-96	Thunderstorm / High Wind	Two juvenile detention centers, the Adobe Mountain Secure Facility and the Black Canyon Secure Facility, both in north Phoenix, sustained an estimated \$250,000 combined damage when strong winds damaged a perimeter fence, blew out a plastic glass window and damaged several roofs at the complex. Two support pillars under construction at the Interstate 17 and Loop 101 interchange in north Phoenix buckled from the high winds, with an estimated \$250,000 damage.	Phoenix	0	0	\$500,000	\$0	\$500,000	NCDC, 2008
14-Aug-96	Thunderstorm / High Wind	Several large trees were blown over, power poles were blown down, mobile homes were overturned, and buildings were ripped apart. A window was blown out of a mobile home injuring a young woman.	Buckeye	0	1	\$0	\$0	\$0	NCDC, 2008

Date	Hazard	Description	Location	Fatalities	Injuries	Damage Estimates			
						Property	Crop/Livestock	Total	Source
14-Aug-96	Thunderstorm / High Wind	Glendale was one of the hardest hit areas after very powerful thunderstorms ripped through the area. The storm collapsed the roof of an apartment complex and blew metal dumpsters weighing up to two tons into roadways. Sahuaro Ranch School, 10401 N. 63rd Ave., lost part of its roof. An Albertsons grocery store at 59th Avenue and Beardsley Road was battered by the storm, leaving three people hurt. The storm did extensive damage to the roof of Arrowhead Community Hospital, 18701 N. 67th Avenue. At the Northwest Garden Apartments, 9350 N. 67th Avenue, residents were evacuated after the storm collapsed the roof over eight units. Shingles and twisted sheets of park awnings were scattered across the complex. At the Adobe Mountain Juvenile Correctional Facility, one staff member was slightly injured when windows blew out in one of the units. Fences around the perimeters of the facility were damaged by falling trees. About 40 vehicles were damaged, two of them hit by a dumpster blown through the parking lot.	Glendale	0	4	\$0	\$0	\$0	NCDC, 2008
22-Aug-96	Thunderstorm / High Wind	Gusty thunderstorm winds caused damage and a few injuries at a Fry's Food Store at the intersection of Power Road and Baseline Road in East Mesa. The winds lifted a 2000 pound tent and slammed it against a truck. The glass-covered artwork beneath the tent shattered and caused minor cuts to two people. A teenage boy was thrown into a grocery cart corral and treated at a local hospital for back injuries. Several cars in the parking lot sustained dents from flying debris.	Mesa	0	3	\$0	\$0	\$0	NCDC, 2008
02-Sep-96	Thunderstorm / High Wind	Lightning-induced fire caused extensive damage to a home in the 6100 block of East Inglewood Street.	Mesa	0	0	\$63,000	\$0	\$63,000	NCDC, 2008
02-Sep-96	Thunderstorm / High Wind	Lightning struck a home in the 1300 block of South Nassau which started a blaze in the attic and caused extensive structural damage and damage to the home's contents.	Mesa	0	0	\$90,000	\$0	\$90,000	NCDC, 2008
10-Jul-97	Thunderstorm / High Wind	Downburst winds from nearby thunderstorms kicked up a thick cloud of dust as it moved across plowed fields. This cloud of dust then moved across interstate 10 between Red Rock and Picacho reducing visibilities to zero at times. This resulted in 12 collisions involving about 30 vehicles. Twenty-five people were injured, but 19 were only minor.		0	25	\$200,000	\$0	\$200,000	NCDC, 2008
26-Aug-97	Thunderstorm / High Wind	Lightning struck a house in Chandler slightly injuring a woman. It struck phone lines, power lines, and plumbing in the house igniting a blaze which caused an estimated \$50,000 damage to the upstairs bathroom, bedrooms, and attic. The woman was injured while talking on the phone when the lightning travelled along the phone cord and grazed her face and neck. □ □	Chandler	0	1	\$50,000	\$0	\$50,000	NCDC, 2008
31-Jul-98	Thunderstorm / High Wind	About 60 power poles damaged or destroyed by winds gusting to at least 60 mph. Along Power Road some lines fell onto several cars.	Mesa	0	0	\$500,000	\$0	\$500,000	NCDC, 2008
11-Aug-98	Thunderstorm / High Wind	Winds took down 6 power poles, and forced the closure of I-10 for 1 1/2 hours. A squad car from the Buckeye Police Department received minor damage when crushed by a falling power pole. Two private planes from Pierce Aviation were destroyed and several other planes were damaged by high winds. The roof of the administration building was damaged by the storm.	Buckeye	0	0	\$150,000	\$0	\$150,000	NCDC, 2008

Date	Hazard	Description	Location	Fatalities	Injuries	Damage Estimates			
						Property	Crop/Livestock	Total	Source
12-Aug-98	Thunderstorm / High Wind	A strong to severe complex of storms formed northeast of Wickenburg and moved to the southwest and intensified. The storms produced severe damage to at least 2 aircraft at the Wickenburg airport. About 6 power poles were blown down, and evaporative coolers were blown off roofs. Large tree limbs were broken off in Wickenburg. Sheriff's deputies rescued a boater and eight passengers on Lake Pleasant.	Wickenburg	0	0	\$300,000	\$0	\$300,000	NCDC, 2008
25-Oct-98	Thunderstorm / High Wind	For the third time on this day, Fountain Hills was hit by high winds that blew sand and debris into streets along with hail and heavy rain.	Fountain Hills	0	0	\$10,000	\$0	\$10,000	NCDC, 2008
25-Oct-98	Thunderstorm / High Wind	Winds collapsed a mobile home, and blew the roof off another home on the Salt River Pima-Maricopa Indian Community.	Phoenix	0	0	\$10,000	\$0	\$10,000	NCDC, 2008
15-Dec-98	Thunderstorm / High Wind	Lightning struck the plywood roof of a home under construction. A worker was killed when the lightning bolt traveled down a wooden rafter and hit him in the head. Three other workers received minor injuries from this lightning.	Paradise Vly	1	3	\$0	\$0	\$0	NCDC, 2008
05-Jul-99	Thunderstorm / High Wind	Three U.S. Forest Service firefighters were stunned or paralyzed for a few minutes as lightning hit the ground near them. They also suffered some burns on the feet and shoulders.C114	Carefree	0	3	\$0	\$0	\$0	NCDC, 2008
06-Jul-99	Thunderstorm / High Wind	The widespread dust storm sharply reduced visibility along Interstate 10, about 7 miles northeast of Casa Grande. One motorist was killed as a series of wrecks were reported in a 25-mile section of the freeway.		1	14	\$0	\$0	\$0	NCDC, 2008
06-Jul-99	Thunderstorm / High Wind	Lightning triggered a house fire in the 8300 block of N. Via Mia. □	Scottsdale	0	0	\$5,000	\$0	\$5,000	NCDC, 2008
06-Jul-99	Thunderstorm / High Wind	Winds blew down trees, power lines and traffic lights in parts of the East Valley. Blowing dust cut the visibility at Sky Harbor airport, delaying up to 50 flights. Many streets flooded and 3 motorists in Sun City were rescued. SRP reported 20 power poles down.	Mesa	0	0	\$50,000	\$0	\$50,000	NCDC, 2008
06-Jul-99	Thunderstorm / High Wind	Very strong winds downed trees and power poles. Although no injuries were reported, 20 wooden power poles supporting 69,000 volt power lines snapped in Fountain Hills, according to SRP crews.	Fountain Hills	0	0	\$100,000	\$0	\$100,000	NCDC, 2008
07-Jul-99	Thunderstorm / High Wind	An entire line of power poles down along McDowell Road between Longmore and Dobson roads.	Scottsdale	0	0	\$50,000	\$0	\$50,000	NCDC, 2008
07-Jul-99	Thunderstorm / High Wind	Widespread area of very strong winds, damaged homes and cut power to at least 11,500 customers around the metropolitan area. Trees and limbs were downed. Official winds to 57 mph were clocked at 43rd Ave and lower Buckeye Road. President Clinton, arrived in Phoenix just before the blinding dust storm moved in. There were delays of up to 90 minutes at the airport. Numerous streets were flooded including streets in Scottsdale, Laveen, Ahwatukee, and Tatum Blvd. No serious injuries reported.	Phoenix	0	0	\$70,000	\$0	\$70,000	NCDC, 2008
10-Jul-99	Thunderstorm / High Wind	High winds tore off a portion of a roof and pushed over a camper on Van Buren Street east of Palo Verde Road. In addition, power poles were blown down just outside of Buckeye.	Buckeye	0	0	\$30,000	\$0	\$30,000	NCDC, 2008
14-Jul-99	Thunderstorm / High Wind	A home in the 3800 block of East San Remo in east Gilbert was struck by lightning causing a 2 foot hole in the concrete shingles on the roof. No fire was involved but most electrical appliances were damaged.C124	Gilbert	0	0	\$10,000	\$0	\$10,000	NCDC, 2008
14-Jul-99	Thunderstorm / High Wind	Power poles down.	Mesa	0	0	\$15,000	\$0	\$15,000	NCDC, 2008
23-Jul-99	Thunderstorm / High Wind	Power poles damaged at 7th Ave and Fillmore. Numerous water rescues due to flooded streets and washes running. Flights at Sky Harbor airport were delayed about a half hour.	Phoenix	0	0	\$30,000	\$0	\$30,000	NCDC, 2008

Date	Hazard	Description	Location	Fatalities	Injuries	Damage Estimates			
						Property	Crop/Livestock	Total	Source
25-Jul-99	Thunderstorm / High Wind	Buildings damaged or destroyed. One mobile home was tossed about 30 feet down an embankment.	Palo Verde	0	2	\$0	\$0	\$0	NCDC, 2008
27-Jul-99	Thunderstorm / High Wind	Lightning struck and killed a motorcyclist and injured another near Bartlett Dam.	Fountain Hills	1	1	\$0	\$0	\$0	NCDC, 2008
10-Aug-99	Thunderstorm / High Wind	Microburst winds and heavy rain developed over much of north Phoenix around 430 pm. As many as 20 power poles were downed by the high winds, and torrential rain near Rose Garden Lane between 19th and 25th avenues. This left a half-dozen people trapped in their vehicles, but no injuries. At least 17,000 customers were left without power. One motorist escaped injury when steel construction beams were blown onto his vehicle at a freeway construction site at Beardsley and 23rd Avenue. A large moving truck was toppled onto its side by high winds at 19th Avenue and Deer Valley Road..	Phoenix	0	0	\$500,000	\$0	\$500,000	NCDC, 2008
14-Aug-99	Thunderstorm / High Wind	Thunderstorms moved through east Mesa with high winds and rain. At least 20 power poles were reported down with most damage near 80th Street and Southern. Occupants of seven vehicles were trapped in their cars and had to be rescued. Two individuals suffered minor injuries.	Mesa	0	2	\$30,000	\$0	\$30,000	NCDC, 2008
19-Aug-99	Thunderstorm / High Wind	Dense blowing dust and blowing sand accompanied strong winds and heavy rain in much of the metropolitan area. At least one air conditioner was blown from a roof in Phoenix. Flights in and out of Sky Harbor airport were delayed by as much as 90 minutes during the height of the storm. Near zero visibility was reported with winds of 45 mph.	Phoenix	0	0	\$5,000	\$0	\$5,000	NCDC, 2008
22-Aug-99	Thunderstorm / High Wind	Strong winds blew three large concrete walls down at a construction site near 30th Street and Broadway. Winds kicked up dust and sand which lowered visibility to less than 1/4 mile in many areas.	Phoenix	0	0	\$15,000	\$0	\$15,000	NCDC, 2008
27-Aug-99	Thunderstorm / High Wind	Torrential rain, hail and high wind swept through mainly the west Phoenix area. The remnants of hurricane Bret left as much as 2.35 inches of rain in half an hour at 43rd Avenue and Thomas Road. Several sections of a roof at the Desert Sky Mall collapsed due to the microburst wind and rain. No injuries were reported, although several thousand people had to be evacuated. Sections of the roof collapsed just 10 minutes after the evacuations. Numerous power poles were downed between 33rd Ave and 83rd Ave. Department of Public Safety shut down I-10 for about 3 hours after power lines fell. Major street flooding was also reported, and Phoenix firefighters rescued two motorists from flooded washes in the 9000 block of N. 11th Street and 1200 block of E. Cheryl Drive. About 50 flights from Sky Harbor airport were delayed up to 2 hours due to rain and wind..	Phoenix	0	0	\$300,000	\$0	\$300,000	NCDC, 2008
31-Aug-99	Thunderstorm / High Wind	A 21 year-old woman near Williams Gateway airport received a shock from lightning as she spoke on the telephone.	Mesa	0	1	\$0	\$0	\$0	NCDC, 2008
31-Aug-99	Thunderstorm / High Wind	A worker was struck by lightning while installing an air conditioner in a new home in Sun Lakes.C133	Sun Lakes	0	1	\$0	\$0	\$0	NCDC, 2008
31-Aug-99	Thunderstorm / High Wind	A Gilbert backhoe driver in the 100 block of E. Guadalupe Road was injured and treated for minor injuries when his machinery was struck by lightning.	Gilbert	0	1	\$0	\$0	\$0	NCDC, 2008

Date	Hazard	Description	Location	Fatalities	Injuries	Damage Estimates			
						Property	Crop/Livestock	Total	Source
31-Aug-99	Thunderstorm / High Wind	A large area of the East Valley experienced high winds and heavy rain. Williams Gateway airport traffic controllers evacuated the tower during very strong winds that peaked at 83 mph at 1:49 pm MST. A nearby fire station roof was damaged by the wind. Roof damage was reported at the VF Factory Outlet stores in Mesa with subsequent water damage. At least one residence in the 1800 block of S. 74th Street was damaged. A number of trailer homes had roof damage. Four people were injured on US 60 east of Greenfield Road involving at least 4 vehicles Department of Public Safety closed the road for about two hours. Rain totals included 1.89 inches in east Mesa and .98 inch in Fountain Hills.	Mesa	0	4	\$200,000	\$0	\$200,000	NCDC, 2008
14-Sep-99	Thunderstorm / High Wind	Considerable damage in NW Phoenix and Peoria due primarily to strong wind.	Phoenix	0	0	\$2,000,000	\$0	\$2,000,000	NCDC, 2008
14-Sep-99	Thunderstorm / High Wind	A 32-year old woman was knocked unconscious as lightning struck a nearby tree.	Mesa	0	1	\$0	\$0	\$0	NCDC, 2008
14-Sep-99	Thunderstorm / High Wind	Winds blew down power poles, trees, and caused considerable damage to homes and businesses in the East Valley. A family in Mesa was trapped inside their vehicle for about an hour after power poles crashed down around them. Power outages affected at least 8,500 customers in the East Valley. The Mesa Regal RV Resort suffered major damage as three trailers were totally destroyed. An airplane was flipped over at Falcon Field with damage to hangar doors. Sky Harbor airport reported numerous flight delays.	Chandler	0	2	\$5,000,000	\$0	\$5,000,000	NCDC, 2008
19-Sep-99	Thunderstorm / High Wind	Major roof damage at a strip mall on East Indian School Road.	Scottsdale	0	0	\$100,000	\$0	\$100,000	NCDC, 2008
19-Sep-99	Thunderstorm / High Wind	Four homes were reported damaged, with ceiling leaks, damaged windows, minor and major roof damage, and one home partially habitable. C141	Laveen	0	0	\$165,000	\$0	\$165,000	NCDC, 2008
19-Sep-99	Thunderstorm / High Wind	Microburst winds struck the Desert Sands Trailer Park where at least 14 homes were totally destroyed and about 340 homes were damaged. Over 200,000 customers lost power after more than 40 power poles were snapped by the winds and rain. Talley Industries, on Greenfield Road received about \$500,000 in damage as a large portion of the roof was removed by wind. A large truck was overturned near 80th Street and Baseline Road. Trees were uprooted in nearby Gilbert.	Mesa	0	2	\$30,000,000	\$0	\$30,000,000	NCDC, 2008
03-Dec-99	Thunderstorm / High Wind	A dry cold front moving across southern Arizona brought gusty winds and areas of blowing dust. A peak wind of 58 mph occurred at Douglas. In northern Greenlee county a tree was blown across Highway 191 blocking traffic just south of Hanagan Meadow.		0	0	\$10,000	\$0	\$10,000	NCDC, 2008
21-Feb-00	Thunderstorm / High Wind	Thunderstorms moved through much of the metro Phoenix area. Strong and gusty winds with blowing dust and small hail accompanied the rain. A light pole was reported blown down at 75th Ave and Mulberry.	Phoenix	0	0	\$3,000	\$0	\$3,000	NCDC, 2008
29-Jun-00	Thunderstorm / High Wind	Two men riding their motorcycles westbound on I-10 were caught in a thunderstorm. They pulled off the road and got off their bikes. While standing around the bikes, lightning struck very close, and knocked the two men unconscious. They were treated and released at a nearby hospital.	Tonopah	0	2	\$0	\$0	\$0	NCDC, 2008
05-Aug-00	Thunderstorm / High Wind	A line of thunderstorms formed rapidly over northern Maricopa County and affected many communities from Wickenburg to Carefree. The town of Wittman was especially hard hit as 38 power poles were downed by very high winds. Arizona Public Service also reported 1600 customers lost power.	Phoenix	0	0	\$50,000	\$0	\$50,000	NCDC, 2008

Date	Hazard	Description	Location	Fatalities	Injuries	Damage Estimates			
						Property	Crop/Livestock	Total	Source
07-Aug-00	Thunderstorm / High Wind	Winds blew down power poles and lines. Heavy rain resulted in a large roof collapse at a business near 35th Ave and Bell. Some homes sustained damage. Urban street flooding was also widespread across the northern sections of the city.	Phoenix	0	0	\$50,000	\$0	\$50,000	NCDC, 2008
11-Aug-00	Thunderstorm / High Wind	Severe thunderstorm winds tore part of the roof off a boat house on Apache Lake.	Mesa	0	0	\$5,000	\$0	\$5,000	NCDC, 2008
17-Aug-00	Thunderstorm / High Wind	Microburst winds struck a large area of East Mesa during the evening. The hardest hit area was between Lindsay and Gilbert Roads and between Baseline and Southern Ave. Strong winds flipped trailers, blew out windows, and knocked down about 20 power poles. Some motorists were injured and stranded as the power poles fell onto the roadway. Fifteen people had to be rescued from their cars, and four people from one car were taken to a hospital for treatment. Storms also hit parts of east Phoenix, and high winds cut visibility along I-10 near Casa Grande.	Mesa	0	4	\$500,000	\$0	\$500,000	NCDC, 2008
04-Oct-00	Thunderstorm / High Wind	Thunderstorms developed over a large area of the metropolitan area. Lightning struck the towers on Mummy Mountain and knocked out the Paradise Valley Police Department communication system. Lightning was also blamed on causing a house fire on 35th Avenue and starting tree fires in Scottsdale. High winds were reported at 16th and Roosevelt and at 23rd Avenue and Dobbins where power poles were knocked down. Small hail accompanied these storms.C150	Phoenix	0	0	\$50,000	\$0	\$50,000	NCDC, 2008
19-Oct-00	Thunderstorm / High Wind	Man struck by lightning at Williams Gateway Airport.	Mesa	0	1	\$0	\$0	\$0	NCDC, 2008
18-May-01	Thunderstorm / High Wind	Winds damaged shingles, flipped a heavy table, and reduced visibility to near zero.	Wickenburg	0	0	\$5,000	\$0	\$5,000	NCDC, 2008
18-May-01	Thunderstorm / High Wind	Winds took down 3 power poles about 5 miles east of Tonopah. Power was out for about 2 days in a 30 mile radius.	Wintersburg	0	0	\$10,000	\$0	\$10,000	NCDC, 2008
04-Jul-01	Thunderstorm / High Wind	Mesa firefighters responded to 14 fires caused by lightning during a 90 minute period. One house in the 7100 block of East Dewan sustained about \$30,000 in damage. Other lightning strikes caused fires in palm trees.	Mesa	0	0	\$50,000	\$0	\$50,000	NCDC, 2008
14-Jul-01	Thunderstorm / High Wind	Winds blew sheds and trees down while damaging several homes in the area. C160	Wittmann	0	0	\$20,000	\$0	\$20,000	NCDC, 2008
14-Jul-01	Thunderstorm / High Wind	A microburst hit parts of Scottsdale and Tempe with very strong winds and heavy rain. Many homes and businesses sustained damage, with at least 19 power poles blown down. One pole landed on a vehicle near Scottsdale and Indian Bend roads, killing the driver. About 6,000 residents were left without power, including the nearby Radisson Resort. Winds ripped the roofs off four homes in the McCormick Ranch area, and dumped them up to two blocks away. Numerous trees were uprooted.	Scottsdale	1	0	\$5,000,000	\$0	\$5,000,000	NCDC, 2008
17-Jul-01	Thunderstorm / High Wind	As many as 8 power lines downed by high winds near 113th Avenue and Southern. High winds also blew down a large electronic information display billboard at Phoenix International Raceway.	Tolleson	0	0	\$250,000	\$0	\$250,000	NCDC, 2008
25-Jul-01	Thunderstorm / High Wind	Thunderstorm winds took down numerous power lines and as many as 12 power poles in and near Glendale. The hardest hit area was 91st Avenue and Glendale Road. A 42 year old man was struck by lightning as he stood in the doorway of his west Phoenix home. With his hand on the doorknob, lightning passed through his body and exited through his right foot.	Glendale	0	1	\$30,000	\$0	\$30,000	NCDC, 2008
14-Aug-01	Thunderstorm / High Wind	Severe thunderstorm wind, possible microburst, destroys mobile home trapping 2 occupants inside the mobile home near 27th Ave and Deer Valley Rd.	Phoenix	0	1	\$30,000	\$0	\$30,000	NCDC, 2008
09-Jul-02	Thunderstorm / High Wind	Several trees uprooted and blown across roads and streets in Ahwatukee. Patio roof damaged by winds.	Phoenix	0	0	\$50,000	\$0	\$50,000	NCDC, 2008

Date	Hazard	Description	Location	Fatalities	Injuries	Damage Estimates			
						Property	Crop/Livestock	Total	Source
09-Jul-02	Thunderstorm / High Wind	Dense blowing dust accompanied winds that gusted to about 60 mph. A small airplane was damaged while trying to land at Falcon Field. Thunderstorms developed over the East Valley, and microburst winds struck in Mesa, along University Drive between Extension and Country Club. About 20 power poles were blown down leaving 7,500 homes without power in this area.	Mesa	0	0	\$80,000	\$0	\$80,000	NCDC, 2008
13-Jul-02	Thunderstorm / High Wind	Lightning struck a home in the 5600 block of N. Saguaro Road,.	Paradise Vly	0	0	\$50,000	\$0	\$50,000	NCDC, 2008
14-Jul-02	Thunderstorm / High Wind	The first of two microburst events occurred on the airport at 1300 Airline Blvd.C165	(Phx)Sky Harbor Arpt	0	0	\$20,000,000	\$0	\$20,000,000	NCDC, 2008
14-Jul-02	Thunderstorm / High Wind	Microburst winds heavily damaged the Arizona Public Service power sub-station at 7th Ave and Thomas. Widespread damage was reported across the greater Phoenix metropolitan area caused by the storm's high winds and heavy rainfall with up to 2 inches in 90 minutes. Utility companies reported that 22 power poles were downed, leaving at least 47,000 homes and businesses without power electricity for many hours. Homes in Scottsdale and Ahwatukee were struck by lightning and set on fire.	Phoenix	0	0	\$20,000,000	\$0	\$20,000,000	NCDC, 2008
14-Jul-02	Thunderstorm / High Wind	The second of two microburst events struck on the airport at the Postal facility and the West economy parking lot. A large thunderstorm complex, with strong microburst winds estimated at 100 mph struck Sky Harbor International Airport. Southerly winds and dense blowing dust initially spread across the East valley and converged with a fast-moving thunderstorm in North Phoenix. These merging systems developed into a severe thunderstorm with winds that uprooted trees, took down power poles and damaged homes and businesses near the airport. Several hangars sustained major damage. Flying debris damaged five commercial aircraft, several private planes and hundreds of cars in the nearby parking lots. Numerous flights were diverted during the overnight hours due to the debris that was scattered on the runway.	(Phx)Sky Harbor Arpt	0	0	\$30,000,000	\$0	\$30,000,000	NCDC, 2008
23-Jul-02	Thunderstorm / High Wind	At least 2 trees blown down in north Scottsdale. Heavy rain and lightning were blamed for the collapse of a section of a roof of the Goodwill store in south Scottsdale. One man inside the store suffered minor injuries. Trees and cactus blown down in Glendale.	Scottsdale	0	1	\$200,000	\$0	\$200,000	NCDC, 2008
06-Sep-02	Thunderstorm / High Wind	Microburst winds damaged or destroyed over 100 homes at the Blue Sky Mobile Estates Park in Glendale. Winds also damaged over 100 vehicles at car dealerships near 51st Avenue. Nearby roofs were damaged and power poles were blown down. C168	Glendale	0	0	\$1,000,000	\$0	\$1,000,000	NCDC, 2008
07-Sep-02	Thunderstorm / High Wind	Numerous reports of large hail throughout the West Valley, including Sun City, Peoria, and Phoenix. Winds to over 60 mph damaged homes, blew down power poles and uprooted trees. Streets were flooded in the West Valley as rain totals were as much as 1.85 inches. Arizona Public Service and Salt River Project estimated over 11,000 customers were without power.	Goodyear	0	0	\$200,000	\$0	\$200,000	NCDC, 2008
20-Jul-03	Thunderstorm / High Wind	Lightning struck the chimney of a house in the 8900 block of East Pershing Avenue. The bolt knocked out the fireplace and the drywall of the living room, but caused no fire as the current discharged somewhere in the bottom of the fireplace.	Scottsdale	0	0	\$20,000	\$0	\$20,000	NCDC, 2008

Date	Hazard	Description	Location	Fatalities	Injuries	Damage Estimates			
						Property	Crop/Livestock	Total	Source
29-Jul-03	Thunderstorm / High Wind	Thunderstorms were widespread across Maricopa County, from Queen Creek to Wittmann from 1925 MST to 2130 MST. Microburst winds hit the north part of Tempe and took out streetlights at most of the city's major intersections. Winds tore down tree limbs and caused power outages, with about 30,000 customers losing power. Lightning struck trees and homes, and some street flooding was reported. Chandler airport had a peak wind speed of 64 mph at 8 pm. Sky Harbor airport closed its runways for about 40 minutes, until 9 pm, as winds peaked at 56 mph. Phoenix Fire Department responded to six house fires, 20 tree fires, 75 downed power lines, and numerous fender benders.	Chandler Arpt	0	0	\$200,000	\$0	\$200,000	NCDC, 2008
14-Aug-03	Thunderstorm / High Wind		Queen Creek	0	0	\$5,000	\$0	\$5,000	NCDC, 2008
14-Aug-03	Thunderstorm / High Wind		Buckeye	0	0	\$10,000	\$0	\$10,000	NCDC, 2008
14-Aug-03	Thunderstorm / High Wind		Phoenix	0	0	\$25,000	\$0	\$25,000	NCDC, 2008
14-Aug-03	Thunderstorm / High Wind		Wittmann	0	0	\$30,000	\$0	\$30,000	NCDC, 2008
14-Aug-03	Thunderstorm / High Wind		Phoenix	0	0	\$100,000	\$0	\$100,000	NCDC, 2008
14-Aug-03	Thunderstorm / High Wind	Lightning was blamed on a fire which destroyed a house in Sun City West.	Sun City	0	0	\$150,000	\$0	\$150,000	NCDC, 2008
22-Aug-03	Thunderstorm / High Wind	Severe thunderstorms struck this area with high winds blowing down power poles and lines. Homes and businesses were damaged. Salt River Project reported about 200 power poles down in the area near Ellsworth and Ocotillo road. Up to 5,000 customers were left without power. Power was restored the following day to 2,000 households and fully restored by Monday. Hundreds of mature trees blown down and onto streets and homes. Windshields on a number of vehicles were blown out. Winds caused a building to collapse, killing a horse. Several aircraft were overturned by high winds, and a construction trailer in Queen Creek was destroyed.	Queen Creek	0	0	\$300,000	\$0	\$300,000	NCDC, 2008
26-Aug-03	Thunderstorm / High Wind	Power pole and line down resulted in power outage to about 2,000 customers.	Scottsdale	0	0	\$5,000	\$0	\$5,000	NCDC, 2008
14-Jul-04	Thunderstorm / High Wind	Winds damaged buildings and ripped limbs from trees. About 1,800 customers in Phoenix were left without power after power poles and lines were downed by strong winds.	Phoenix	0	0	\$20,000	\$0	\$20,000	NCDC, 2008
24-Jul-04	Thunderstorm / High Wind	Thunderstorm winds blew power lines down in Mesa. A home in the 2200 block of west McNair in Chandler was destroyed by fire when 3 palm trees nearby were struck by lightning and the fire spread to the home.	(Chd)Williams Afb	0	0	\$150,000	\$0	\$150,000	NCDC, 2008
15-Aug-04	Thunderstorm / High Wind	Home heavily damaged by winds from severe thunderstorm as reported by county relief aid volunteers.	Aguila	0	0	\$60,000	\$0	\$60,000	NCDC, 2008
15-Aug-04	Thunderstorm / High Wind	Severe thunderstorms developed along the Maricopa and northwest Pinal County line, in vicinity of Sun Lakes. Damaging high winds, multiple microbursts, were primarily in the southern side of Sun Lakes, and the adjacent desert to the south of the community in Pinal County (6 N Bapchule). 80 manufactured mobile homes sustained heavy damage, roofs, carports, sheds, and awnings, and 25 medium to large trees were uprooted.	Sun Lakes	0	0	\$200,000	\$0	\$200,000	NCDC, 2008
18-Sep-04	Thunderstorm / High Wind	Strong winds severely damaged a large part of the Cave Creek Roadhouse in Cave Creek.C189	Cave Creek	0	0	\$20,000	\$0	\$20,000	NCDC, 2008
17-Jul-05	Thunderstorm / High Wind	Winds took down tree branches and damaged a car near Hayden and Thomas Roads.□	Phoenix	0	0	\$20,000	\$0	\$20,000	NCDC, 2008
17-Jul-05	Thunderstorm / High Wind	House fire reported at 11620 N 114th Drive. At least 4 palm tree fires were reportedly started by lightning strikes.	Youngtown	0	0	\$50,000	\$0	\$50,000	NCDC, 2008
17-Jul-05	Thunderstorm / High Wind	Power lines down in south Phoenix. At the height of the storm, more than 40,000 APS customers were without power. The Phoenix Fire Department responded to 200 calls for service. Two large trees were uprooted at the Wigwam Resort and Golf Club.□	Phoenix	0	0	\$70,000	\$0	\$70,000	NCDC, 2008

Date	Hazard	Description	Location	Fatalities	Injuries	Damage Estimates			
						Property	Crop/Livestock	Total	Source
18-Jul-05	Thunderstorm / High Wind	Winds briefly peaked at 77 mph as microburst struck the airport. Windows were damaged at terminal 4.C193	(Phx)Sky Harbor Arpt	0	0	\$15,000	\$0	\$15,000	NCDC, 2008
23-Jul-05	Thunderstorm / High Wind	Dozens of trees were blown down, with many cars and homes sustaining damages due to the winds. Most of the damage was in the Springfield Resort Community near Riggs and McQueen roads.	Chandler	0	0	\$70,000	\$0	\$70,000	NCDC, 2008
24-Jul-05	Thunderstorm / High Wind	About 41 power poles blown down by strong winds along route 85 between Buckeye and Gila Bend.	Buckeye	0	0	\$50,000	\$0	\$50,000	NCDC, 2008
25-Jul-05	Thunderstorm / High Wind	Trees down and shingles blown off roofs. Near Greenfield and Broadway roads in Mesa, 1.75 inches of rain was reported. Power was out for 600 SRP customers in Chandler.	Mesa	0	0	\$20,000	\$0	\$20,000	NCDC, 2008
26-Jul-05	Thunderstorm / High Wind	Power lines down, trees uprooted, and shingles blown off roofs across a large portion of northwest Phoenix. At least 30 trees were downed by winds at the Palm Ridge Recreation Center in Sun City West. One automatic weather station at the White Tank mountains measured the 60 mph gust.	Sun City	0	0	\$100,000	\$0	\$100,000	NCDC, 2008
31-Jul-05	Thunderstorm / High Wind	Power lines and trees down near I-17 and Glendale. Winds reached 53 mph in Fountain Hills and caused areas of blowing dust across Mesa and Tempe. As many as 8 boats were capsized on Tempe Town Lake.	Fountain Hills	0	0	\$10,000	\$0	\$10,000	NCDC, 2008
31-Jul-05	Thunderstorm / High Wind	Lightning caused a fire at a North Peoria home, completely destroying it.	Peoria	0	0	\$500,000	\$0	\$500,000	NCDC, 2008
07-Aug-05	Thunderstorm / High Wind	Trees and utility power poles blown down.C79	New River	0	0	\$5,000	\$0	\$5,000	NCDC, 2008
09-Aug-05	Thunderstorm / High Wind	Strong thunderstorms over east Phoenix metropolitan valley caused lightning which struck up to 13 homes in a Mesa neighborhood. Dramatic damage occurred as a result of the lightning; windows were blown out of the houses, drywall was damaged, electric power service meters and circuit breakers were destroyed, electric transformers were blown out of the ground.	Mesa	0	0	\$350,000	\$0	\$350,000	NCDC, 2008
14-Aug-05	Thunderstorm / High Wind	As many as 12 electric utility power poles were blown down by severe thunderstorm winds. The storm winds also damaged the roof of the Paloma school building, and toppled a large tree onto a house.	Gila Bend	0	0	\$100,000	\$0	\$100,000	NCDC, 2008
09-Sep-05	Thunderstorm / High Wind	Several power poles snapped as microburst winds struck near Extension Road and west Eighth Avenue. The downed power lines created temporary chaos as children were not allowed to leave three schools, and vehicles were not allowed into the area due to the live wires. About 4,000 people were left without power because of the storm.C207	Mesa	0	0	\$30,000	\$0	\$30,000	NCDC, 2008
07-Jun-06	Thunderstorm / High Wind	Winds associated with thunderstorms uprooted trees and brought down power lines to parts of the Phoenix metropolitan area. About 6,000 SRP customers were without power in the Gilbert area. Dense blowing dust also resulted in very low visibility, delaying flights at Sky Harbor airport.	Tempe	0	0	\$300,000	\$0	\$300,000	NCDC, 2008
25-Jun-06	Thunderstorm / High Wind	Strong winds from nearby thunderstorms damaged traffic signals in Scottsdale.□	Scottsdale	0	0	\$50,000	\$0	\$50,000	NCDC, 2008
30-Jun-06	Thunderstorm / High Wind	Power poles downed by high winds which reached as high as 59 mph at Falcon Field. About 16,000 homes were without power at the height of the storm. Dense blowing dust, with zero visibility was reported on the Superstition Freeway.	Mesa	0	0	\$100,000	\$0	\$100,000	NCDC, 2008
06-Jul-06	Thunderstorm / High Wind	Microburst winds damaged windows and doors. Camper damaged at a truck stop along Interstate 10.	Tonopah	0	0	\$10,000	\$0	\$10,000	NCDC, 2008
15-Jul-06	Thunderstorm / High Wind	Strong and gusty winds, estimated at 45 to 50 mph caused near zero visibility in a number of locations around the metro Phoenix area. Some power outages were reported, mainly in the West Valley area near Buckeye.		0	0	\$20,000	\$0	\$20,000	NCDC, 2008
18-Jul-06	Thunderstorm / High Wind	Power poles down and roofs damaged due to strong thunderstorm winds.	Mobile	0	0	\$30,000	\$0	\$30,000	NCDC, 2008

Date	Hazard	Description	Location	Fatalities	Injuries	Damage Estimates			
						Property	Crop/Livestock	Total	Source
18-Jul-06	Thunderstorm / High Wind	Considerable damage to two aircraft at Williams Gateway Airport. A twin engine plane was flipped onto a single engine plane when microburst winds struck the airport.	Chandler Williams Af	0	1	\$1,000,000	\$0	\$1,000,000	NCDC, 2008
21-Jul-06	Thunderstorm / High Wind	Strong winds affected parts of Scottsdale, Cave Creek and Carefree. Power lines were knocked down leaving about 16,800 customers without power. The strongest wind recorded at Scottsdale airport was 61 mph.C219	Cave Creek	0	0	\$20,000	\$0	\$20,000	NCDC, 2008
25-Jul-06	Thunderstorm / High Wind	Several cities throughout the central portion of Maricopa County had major wind damage as a series of thunderstorms and microbursts moved across the area. According to the Salt River Project, an estimated 65 power poles were blown down, in parts of Scottsdale, Tempe and Mesa. At one point, about 20,000 customers were without power. Arizona Public Service reported about 8,000 customers were without power. At Phoenix Sky Harbor Airport, the official peak wind gust was 59 mph. However, winds at Williams Gateway Airport gusted to 86 mph and flipped a small twin-engine plane atop another aircraft. In Mesa, 35 schools reported damages due to the storm. In addition to numerous trees and homes damaged by winds, locally heavy rainfall caused some flooding of streets throughout the Valley. One of the heaviest amounts was 2.70 inches at Crossroads Park.	Central Portion	0	1	\$150,000,000	\$0	\$150,000,000	NCDC, 2008
10-Aug-06	Thunderstorm / High Wind	Power lines down across an area estimated to be about a mile long.	Goodyear	0	0	\$40,000	\$0	\$40,000	NCDC, 2008
14-Aug-06	Thunderstorm / High Wind	Numerous trees reported down throughout Estrella Mountain Park.	Goodyear	0	0	\$100,000	\$0	\$100,000	NCDC, 2008
21-Aug-06	Thunderstorm / High Wind	Lightning caused a fire to 500 tons of hay on the Salt River Indian Reservation.	Phoenix	0	0	\$100,000	\$0	\$100,000	NCDC, 2008
21-Aug-06	Thunderstorm / High Wind	Severe thunderstorms and very heavy rain spread across most of the East Valley. Power lines and power poles were down, street signs and vehicles were damaged. Chandler airport recorded peak winds of 57 mph along with dense blowing dust at 6:40 pm. One spotter estimated the strongest winds at 70 mph near University and Brown, in Mesa. Streets and low spots were flooded.	Mesa	0	0	\$200,000	\$0	\$200,000	NCDC, 2008
22-Aug-06	Thunderstorm / High Wind	Strong winds tore shingles from roofs, snapped a flag pole and caused other damage as storms moved toward the northwest. SRP reported a total of about 50 power poles knocked down during the storms of August 21 and August 22. Combined figures show an estimated 18,000 customers were without power at the height of the storms.	Glendale	0	0	\$200,000	\$0	\$200,000	NCDC, 2008
24-Aug-06	Thunderstorm / High Wind	Lightning caused a house fire near Country Club and Brown Road.	Mesa	0	0	\$50,000	\$0	\$50,000	NCDC, 2008
03-Sep-06	Thunderstorm / High Wind	Thunderstorm winds brought down trees and branches near 16th Street and Greenway.□	Phoenix	0	0	\$5,000	\$0	\$5,000	NCDC, 2008
09-Sep-06	Thunderstorm / High Wind	Eight large trees, more than a foot in diameter, blown down near downtown Wickenburg.C242	Wickenburg	0	0	\$5,000	\$0	\$5,000	NCDC, 2008
12-Apr-07	Thunderstorm / High Wind	Wind gusts over 40 mph were widespread across the Phoenix area, with a peak gust of 54 mph reported in Fountain Hills.A sharp cold front whipped through Arizona resulting in winds well over 40 mph and dense blowing dust with visibility less than a quarter mile. Some roof damage was also reported in Parker.		0	0	\$1,000	\$0	\$1,000	NCDC, 2008
28-Apr-07	Thunderstorm / High Wind	A major dust storm with visibility less than 1/4 mile in spots, along with winds of 40 to 50 mph, moved quickly across the Phoenix metropolitan area during the afternoon. Trees were knocked over, power outages were reported, and flight delays affected Sky Harbor airport.Unusual heat for so early in the season, together with increased moisture, resulted in widespread light showers, very strong winds and areas of dense blowing dust and sand.		0	0	\$10,000	\$0	\$10,000	NCDC, 2008

Date	Hazard	Description	Location	Fatalities	Injuries	Damage Estimates			
						Property	Crop/Livestock	Total	Source
19-Jul-07	Thunderstorm / High Wind	Power line downed by high winds. Winds gusted to 55 mph at Sky Harbor airport. While walking in his yard, a man touched the live wire and was electrocuted. Power line downed by high winds in North Phoenix.	Phoenix	0	0	\$20,000	\$0	\$20,000	NCDC, 2008
30-Jul-07	Thunderstorm / High Wind	Trees and power lines were downed through parts of Gilbert. Streetlights were also reported to be down due to the winds. Utility poles and at least one large billboard in the East Valley were damaged by winds. Heavy rains first hit the northwest part of Maricopa County, then spread into the Metro Phoenix area. Many streets were flooded, trees downed and considerable property damage.	Phoenix	0	0	\$100,000	\$0	\$100,000	NCDC, 2008
14-Aug-07	Thunderstorm / High Wind	Lightning struck a home near 51st Ave and Indian School Road. No major damage was reported, but a small attic fire was quickly put out. Scattered thunderstorms formed over parts of Phoenix with locally strong winds at the airport.	Phoenix	0	0	\$20,000	\$0	\$20,000	NCDC, 2008
16-Aug-07	Thunderstorm / High Wind	Authorities in the Gila River Indian Community estimated winds as high as 80 mph. Scattered thunderstorms pushed through parts of the East Valley, knocking down power lines.	Avondale	0	0	\$20,000	\$0	\$20,000	NCDC, 2008
01-Sep-07	Thunderstorm / High Wind	A microburst struck a Chandler RV and trailer park, damaging at least one trailer and taking down power lines and uprooting trees. Dense blowing dust with low visibility spread throughout many East Valley communities. In addition, thunderstorms brought gusty winds to near 60 mph in Apache Junction.	Chandler	0	0	\$50,000	\$0	\$50,000	NCDC, 2008
15-Sep-07	Thunderstorm / High Wind	Between Buckeye and Gila Bend trees were uprooted... signs blown down and one roof blown off a shop. Two miles south of Cotton Center a power pole snapped because of the winds. Strong winds from nearby thunderstorms affected some communities near Gila Bend.	Cotton Center	0	0	\$50,000	\$0	\$50,000	NCDC, 2008
16-Sep-07	Thunderstorm / High Wind	Large trees down... including a 50 foot pine tree near Southern avenue and Greenfield road. Four homes damaged near Sossaman road and Main street. Power lines were down near Main street and Southern avenue. Thunderstorms developed over the far East Valley resulting in damage to homes, power lines and trees.	Mesa Falcon Arpt	0	0	\$200,000	\$0	\$200,000	NCDC, 2008
04-Feb-08	Thunderstorm / High Wind	Lightning started an attic fire in Sun City and a house fire in Glendale. Thunderstorms brought rain, hail and lightning to portions of the Phoenix area on Monday afternoon.	Sun City	0	0	\$20,000	\$0	\$20,000	NCDC, 2008
20-Feb-08	Thunderstorm / High Wind	Lightning resulted in considerable damage to various electrical and electronic systems at the Pioneer Elementary School in Glendale. A nearby eucalyptus tree was also struck, which resulted in pieces of wood or bark exploding outward in all directions. Minor damage occurred to one side of a home near the school. A strong low pressure system and associated cold front moved across the region. Thunderstorms developed late in the evening and moved eastward across the northern sections of Maricopa County. Small hail and frequent lightning was observed with the strongest storms.	Glendale Muni Arpt	0	0	\$30,000	\$0	\$30,000	NCDC, 2008
25-Jun-08	Thunderstorm / High Wind	The Ethan Fire was sparked by lightning on the 25th, and grew to over 5,000 acres several days later. Estimated cost to fight the fire was about \$700,000. Late afternoon thunderstorms moved across portions of the Phoenix metropolitan area. One cloud to ground lightning strike apparently started a brush fire near the Gila River southwest of Phoenix.	Avondale			\$5,000	\$0	\$5,000	NCDC, 2008
03-Jul-08	Thunderstorm / High Wind	Lightning was blamed in starting a fire in the attic of a Tempe home. Tempe Fire responded to two other weather related fires. Thunderstorms moved through parts of the East Valley, and cloud to ground lightning started a fire in the attic of a home.	Tempe	0	0	\$50,000	\$0	\$50,000	NCDC, 2008

Date	Hazard	Description	Location	Fatalities	Injuries	Damage Estimates			
						Property	Crop/Livestock	Total	Source
04-Jul-08	Thunderstorm / High Wind	Scottsdale airport recorded peak winds of 53 mph during thunderstorms. Winds at Sky Harbor airport reached as high as 39 mph and some tents at the Tempe Town Lake fireworks display were blown down. Sufficient moisture and instability together with an outflow boundary from the east was sufficient to trigger thunderstorms in Phoenix.	Scottsdale Muni Arpt	0	0	\$2,000	\$0	\$2,000	NCDC, 2008
10-Jul-08	Thunderstorm / High Wind	Streets and highways became flooded and some road closures were reported after rainfall rates exceeded 2 inches per hour in the heaviest storms. One spotter in East Mesa had a total of 2.50 inches. Strong and locally damaging winds affected portions of South-central Arizona during the evening hours.	Sunnyslope	0	0	\$200,000	\$0	\$200,000	NCDC, 2008
10-Jul-08	Thunderstorm / High Wind	Winds caused power outages and property damage due to microburst winds as high as 65 mph. Winds blew down a tree near 78th Street and McDonald which damaged a covered parking structure. Strong and locally damaging winds affected portions of South-central Arizona during the evening hours.	Buckhorn	0	0	\$400,000	\$0	\$400,000	NCDC, 2008
13-Jul-08	Thunderstorm / High Wind	Winds from a microburst blew down about 25 trees and damaged light poles at Mesa Community College. A security officer was slightly injured when the strong winds blew him from his golf cart. Showers and thunderstorms produced very heavy rainfall totals across parts of South-Central Arizona.	Mcqueen	0	0	\$100,000	\$0	\$100,000	NCDC, 2008
21-Jul-08	Thunderstorm / High Wind	Microburst winds took down a total of 55 power poles in Mesa, leaving as many as 12,000 SRP customers without power. About 31 homes were damaged at a trailer park on North Recker, 4 of those had roofs blown off. On Southern Ave near Power Road, 15 poles were knocked down with lines impacting 7 vehicles, including a bus. The peak wind speed at Falcon Field was 44 mph at 7:47 pm. In Mesa, power poles were knocked down, trapping 6 vehicles, including a bus. One of the injuries was from cuts from broken glass. Numerous power poles were blown down and homes were damaged in East Mesa when severe thunderstorms hit the area.	Twin Knolls	0	2	\$1,000,000	\$0	\$1,000,000	NCDC, 2008
26-Jul-08	Thunderstorm / High Wind	Power poles and trees were reported down at Chandler Heights and Greenfield roads, as well as Ocotillo and Higley and at Ocotillo and Power roads. Brief strong winds caused isolated damage to parts of the Southeast Valley.	Chandler Heights	0	0	\$15,000	\$0	\$15,000	NCDC, 2008
05-Aug-08	Thunderstorm / High Wind	Power lines down near 7th Street and Northern. Winds gusted to 51 mph at Sky Harbor airport.	Sunnyslope	0	0	\$2,000	\$0	\$2,000	NCDC, 2008
07-Aug-08	Thunderstorm / High Wind	Power poles down in central Phoenix. Very strong winds from thunderstorms took down trees, power lines and left thousands of customers without power. Very heavy rain resulted in flooded roads.	Phoenix	0	0	\$10,000	\$0	\$10,000	NCDC, 2008
07-Aug-08	Thunderstorm / High Wind	Brush fire was started by lightning and grew to about 425 acres. No structures were involved in the fire. Very strong winds from thunderstorms took down trees, power lines and left thousands of customers without power. Very heavy rain resulted in flooded roads.	Buckeye	0	0	\$10,000	\$0	\$10,000	NCDC, 2008
07-Aug-08	Thunderstorm / High Wind	Large branches blown from trees. Very strong winds from thunderstorms took down trees, power lines and left thousands of customers without power. Very heavy rain resulted in flooded roads.	Sunnyslope	0	0	\$10,000	\$0	\$10,000	NCDC, 2008
07-Aug-08	Thunderstorm / High Wind	Power poles and lines reported blown down. As many as 70 poles were down in the Buckeye area alone. Very strong winds from thunderstorms took down trees, power lines and left thousands of customers without power. Very heavy rain resulted in flooded roads.	Valencia	0	0	\$70,000	\$0	\$70,000	NCDC, 2008

Date	Hazard	Description	Location	Fatalities	Injuries	Damage Estimates			
						Property	Crop/Livestock	Total	Source
14-Aug-08	Thunderstorm / High Wind	Winds at Chandler Airport reached 50 knots as severe thunderstorms moved toward the west. The southern and central portions of Arizona were very moist and unstable. Storms developed and moved toward the southwest and strong winds kicked up widespread areas of blowing dust. A Severe Thunderstorm Watch was in effect for much of the evening.	Chandler Arpt	0	0	\$10,000	\$0	\$10,000	NCDC, 2008
14-Aug-08	Thunderstorm / High Wind	Several crashes on the Loop 202 were blamed on strong winds and rain. Power outages were reported after winds and rain moved through the East Valley. SRP reported about 3,000 customers were left without electricity...and APS reported 2,000 customers without power. The southern and central portions of Arizona were very moist and unstable. Storms developed and moved toward the southwest and strong winds kicked up widespread areas of blowing dust. A Severe Thunderstorm Watch was in effect for much of the evening.	Papago Arpt	0	0	\$25,000	\$0	\$25,000	NCDC, 2008
14-Aug-08	Thunderstorm / High Wind	Strong winds reported at Brown and Mesa. Trees were damaged. The southern and central portions of Arizona were very moist and unstable. Storms developed and moved toward the southwest and strong winds kicked up widespread areas of blowing dust. A Severe Thunderstorm Watch was in effect for much of the evening.	Mesa	0	0	\$5,000	\$0	\$5,000	NCDC, 2008
25-Aug-08	Thunderstorm / High Wind	Microburst winds hit Chandler airport and flipped at least two planes. Winds also damaged a fence and other property. Northeast winds peaked at 67 mph at 3:25 pm. Thunderstorm winds over 70 mph damaged planes at Chandler Municipal Airport. Strong winds also blew down trees and damaged some homes in the Chandler area. Dense blowing dust was also reported.	Sun Lakes	0	0	\$1,000,000	\$0	\$1,000,000	NCDC, 2008
28-Aug-08	Thunderstorm / High Wind	Trees and power lines down. Several waves of severe thunderstorms moved westward across the central and eastern portions of Maricopa County. Upper level winds were stronger than usual, and copious moisture combined with warm temperatures allowed storms to redevelop well into the night. Winds over 80 mph were noted in parts of Phoenix and Tempe. Nearly continuous lightning was also observed during the peak of the activity. Fortunately, no fatalities were associated with these severe storms.	Sunnyslope	0	0	\$100,000	\$0	\$100,000	NCDC, 2008
28-Aug-08	Thunderstorm / High Wind	Easterly winds gusted up to 65 knots at Sky Harbor airport. Several aircraft and at least one terminal building was damaged, with debris blown onto the runways and adjacent areas. About 500 people were stranded in the terminals overnight due to flight delays and power outages. Several waves of severe thunderstorms moved westward across the central and eastern portions of Maricopa County. Upper level winds were stronger than usual, and copious moisture combined with warm temperatures allowed storms to redevelop well into the night. Winds over 80 mph were noted in parts of Phoenix and Tempe. Nearly continuous lightning was also observed during the peak of the activity. Fortunately, no fatalities were associated with these severe storms.	Sky Harbor Int Arpt	0	0	\$2,000,000	\$0	\$2,000,000	NCDC, 2008

Date	Hazard	Description	Location	Fatalities	Injuries	Damage Estimates			
						Property	Crop/Livestock	Total	Source
28-Aug-08	Thunderstorm / High Wind	A trained spotter reported a wind gust of 85 mph at 16th St and Thomas. Widespread damage occurred to homes, businesses and windows knocked out in at least one high-rise. Numerous power poles were taken down, and many trees uprooted. Some damage also occurred at the Arizona State Capitol in Phoenix. Several waves of severe thunderstorms moved westward across the central and eastern portions of Maricopa County. Upper level winds were stronger than usual, and copious moisture combined with warm temperatures allowed storms to redevelop well into the night. Winds over 80 mph were noted in parts of Phoenix and Tempe. Nearly continuous lightning was also observed during the peak of the activity. Fortunately, no fatalities were associated with these severe storms.	Phoenix	0	0	\$20,000,000	\$0	\$20,000,000	NCDC, 2008
28-Aug-08	Thunderstorm / High Wind	Numerous trees blown down by strong winds. Several waves of severe thunderstorms moved westward across the central and eastern portions of Maricopa County. Upper level winds were stronger than usual, and copious moisture combined with warm temperatures allowed storms to redevelop well into the night. Winds over 80 mph were noted in parts of Phoenix and Tempe. Nearly continuous lightning was also observed during the peak of the activity. Fortunately, no fatalities were associated with these severe storms.	Litchfield	0	0	\$25,000	\$0	\$25,000	NCDC, 2008
28-Aug-08	Thunderstorm / High Wind	Microburst winds observed in Mesa near Recker and Brown. Several waves of severe thunderstorms moved westward across the central and eastern portions of Maricopa County. Upper level winds were stronger than usual, and copious moisture combined with warm temperatures allowed storms to redevelop well into the night. Winds over 80 mph were noted in parts of Phoenix and Tempe. Nearly continuous lightning was also observed during the peak of the activity. Fortunately, no fatalities were associated with these severe storms.	Mesa Falcon Arpt	0	0	\$30,000	\$0	\$30,000	NCDC, 2008
28-Aug-08	Thunderstorm / High Wind	In Tempe, an 18 year-old man was injured by a falling tree. Winds on the ASU campus were measured at 69 mph and severely damaged the indoor football practice facility. Several waves of severe thunderstorms moved westward across the central and eastern portions of Maricopa County. Upper level winds were stronger than usual, and copious moisture combined with warm temperatures allowed storms to redevelop well into the night. Winds over 80 mph were noted in parts of Phoenix and Tempe. Nearly continuous lightning was also observed during the peak of the activity. Fortunately, no fatalities were associated with these severe storms.	Tempe	0	1	\$4,000,000	\$0	\$4,000,000	NCDC, 2008
28-Aug-08	Thunderstorm / High Wind	Trees uprooted at 48th street and Mcdowell. Nearby homes damaged. Several waves of severe thunderstorms moved westward across the central and eastern portions of Maricopa County. Upper level winds were stronger than usual, and copious moisture combined with warm temperatures allowed storms to redevelop well into the night. Winds over 80 mph were noted in parts of Phoenix and Tempe. Nearly continuous lightning was also observed during the peak of the activity. Fortunately, no fatalities were associated with these severe storms.	Kendall	0	0	\$500,000	\$0	\$500,000	NCDC, 2008

Date	Hazard	Description	Location	Fatalities	Injuries	Damage Estimates			
						Property	Crop/Livestock	Total	Source
28-Aug-08	Thunderstorm / High Wind	Very strong wind gusts reported at Estrella Parkway and Elliott. Several waves of severe thunderstorms moved westward across the central and eastern portions of Maricopa County. Upper level winds were stronger than usual, and copious moisture combined with warm temperatures allowed storms to redevelop well into the night. Winds over 80 mph were noted in parts of Phoenix and Tempe. Nearly continuous lightning was also observed during the peak of the activity. Fortunately, no fatalities were associated with these severe storms.	Estrella	0	0	\$50,000	\$0	\$50,000	NCDC, 2008
29-Aug-08	Thunderstorm / High Wind	Top wind speeds of 55 to 65 mph were common across many areas. One report was a measured speed of 60 mph at 91st avenue and Jomax. A 58 mph gust was measured at the White Tank mesonet location. A wood fence was damaged and a trailer was overturned in Waddell. Winds near 60 mph were associated with some thunderstorms in the Phoenix area.	Ennis	0	0	\$100,000	\$0	\$100,000	NCDC, 2008
29-Aug-08	Thunderstorm / High Wind	Spotter reported a very heavy rainfall rate of 3.19 inches per hour during a 10 minute period. Strong winds from nearby thunderstorms caused significant damage to homes in this area.	Cave Creek	0	0	\$2,000	\$0	\$2,000	NCDC, 2008
10-Sep-08	Thunderstorm / High Wind	About 6 power poles were downed, resulting in power outages for as many as 4500 customers in Queen Creek. Showers and thunderstorms developed across much of southwest and south-central Arizona. A few storms became severe, with strong winds, hail and very heavy downpours.	Queen Creek	0	0	\$12,000	\$0	\$12,000	NCDC, 2008
10-Sep-08	Thunderstorm / High Wind	Numerous power poles down near 424th and Indian School, or about 2 miles west of Tonopah. Showers and thunderstorms developed across much of southwest and south-central Arizona. A few storms became severe, with strong winds, hail and very heavy downpours.	Tonopah	0	0	\$50,000	\$0	\$50,000	NCDC, 2008
10-Sep-08	Thunderstorm / High Wind	A trained spotter reported a wind gust of 60 mph along with pea sized hail at McClintock and Guadalupe. Showers and thunderstorms developed across much of southwest and south-central Arizona. A few storms became severe, with strong winds, hail and very heavy downpours.	Tempe	0	0	\$5,000	\$0	\$5,000	NCDC, 2008
11-Sep-08	Thunderstorm / High Wind	According to Arizona Public Service, 48 power poles across a distance of 3 miles were blown down along Old Highway 80 between Buckeye and Gila Bend. Winds were measured up to 56 mph on the Palo Verde Nuclear Generating Station tower. Thunderstorms moved steadily toward the northeast during the afternoon hours. As a result, locally heavy rain, strong winds, and very low visibility due to dust and sand moved across the deserts.	Arlington	0	0	\$100,000	\$0	\$100,000	NCDC, 2008
11-Sep-08	Thunderstorm / High Wind	Winds were estimated to reach as high as 60 mph along with visibility to less than 1/4 mile in blowing dust. Thunderstorms moved steadily toward the northeast during the afternoon hours. As a result, locally heavy rain, strong winds, and very low visibility due to dust and sand moved across the deserts.	Tonopah	0	0	\$20,000	\$0	\$20,000	NCDC, 2008
13-Jun-55	Tornado			0	0	\$25,000	\$0	\$25,000	NCDC, 2008
25-Jul-56	Tornado			0	0	\$250	\$0	\$250	NCDC, 2008
04-Aug-57	Tornado			0	0	\$2,500	\$0	\$2,500	NCDC, 2008
29-Aug-57	Tornado			0	0	\$25,000	\$0	\$25,000	NCDC, 2008
11-Mar-58	Tornado			0	0	\$2,500	\$0	\$2,500	NCDC, 2008
11-May-58	Tornado			0	0	\$30	\$0	\$30	NCDC, 2008
24-Sep-58	Tornado			0	0	\$30	\$0	\$30	NCDC, 2008
22-Jul-61	Tornado			0	0	\$25,000	\$0	\$25,000	NCDC, 2008
08-Sep-61	Tornado			0	2	\$250,000	\$0	\$250,000	NCDC, 2008
29-Jul-67	Tornado			0	0	\$25,000	\$0	\$25,000	NCDC, 2008
19-Dec-67	Tornado			0	0	\$25,000	\$0	\$25,000	NCDC, 2008

Date	Hazard	Description	Location	Fatalities	Injuries	Damage Estimates			
						Property	Crop/Livestock	Total	Source
04-Jul-68	Tornado			0	2	\$25,000	\$0	\$25,000	NCDC, 2008
20-Jul-68	Tornado			0	3	\$25,000	\$0	\$25,000	NCDC, 2008
03-Oct-68	Tornado			0	3	\$250,000	\$0	\$250,000	NCDC, 2008
01-Aug-69	Tornado			0	2	\$25,000	\$0	\$25,000	NCDC, 2008
05-Sep-70	Tornado			0	0	\$25,000	\$0	\$25,000	NCDC, 2008
30-Aug-71	Tornado			0	41	\$2,500,000	\$0	\$2,500,000	NCDC, 2008
14-Sep-71	Tornado			0	0	\$25,000	\$0	\$25,000	NCDC, 2008
18-Oct-71	Tornado			0	0	\$25,000	\$0	\$25,000	NCDC, 2008
13-Jun-72	Tornado			0	0	\$25,000	\$0	\$25,000	NCDC, 2008
21-Jun-72	Tornado			0	3	\$25,000,000	\$0	\$25,000,000	NCDC, 2008
23-Jul-72	Tornado			0	0	\$30	\$0	\$30	NCDC, 2008
12-Aug-72	Tornado			0	0	\$30	\$0	\$30	NCDC, 2008
10-Sep-72	Tornado			0	1	\$2,500,000	\$0	\$2,500,000	NCDC, 2008
24-Aug-74	Tornado			0	0	\$2,500	\$0	\$2,500	NCDC, 2008
05-Sep-81	Tornado			0	0	\$250,000	\$0	\$250,000	NCDC, 2008
05-Sep-81	Tornado			0	0	\$250,000	\$0	\$250,000	NCDC, 2008
12-Aug-82	Tornado			0	0	\$30	\$0	\$30	NCDC, 2008
08-Aug-83	Tornado			0	0	\$25,000	\$0	\$25,000	NCDC, 2008
16-Aug-83	Tornado			0	0	\$250,000	\$0	\$250,000	NCDC, 2008
09-Aug-84	Tornado			0	0	\$250,000	\$0	\$250,000	NCDC, 2008
29-Aug-87	Tornado			0	0	\$250	\$0	\$250	NCDC, 2008
04-Jan-89	Tornado			0	0	\$25,000	\$0	\$25,000	NCDC, 2008
06-Jan-92	Tornado			0	0	\$25,000	\$0	\$25,000	NCDC, 2008
06-Jan-92	Tornado			0	0	\$25,000	\$0	\$25,000	NCDC, 2008
13-Feb-92	Tornado			0	0	\$2,500	\$0	\$2,500	NCDC, 2008
13-Feb-92	Tornado			0	0	\$25,000	\$0	\$25,000	NCDC, 2008
23-May-92	Tornado			0	0	\$250	\$0	\$250	NCDC, 2008
23-May-92	Tornado			0	0	\$25,000	\$0	\$25,000	NCDC, 2008
17-Jan-93	Tornado	Eighteen homes sustained damage, 4 with major damage, many trees and signs blown over by tornado. Most damage occurred when the tornado moved east from 59th and Clinton to 72nd and Cholla. Controllers from the nearby Scottsdale Airport watched this tornado move through this ,north Scottsdale residential area.	Phoenix To	0	0	\$5,000,000	\$0	\$5,000,000	NCDC, 2008
08-Feb-93	Tornado	A sheriff's deputy was the first to spot this weak tornado in this area. The New River residents described the sound as similar to a freight train. The tornado created a suction that made it impossible to open a door for a brief period. A palo verde tree was uprooted and the tornado lifted the roof off a house.	New River	0	0	\$5,000	\$0	\$5,000	NCDC, 2008
08-Feb-94	Tornado	A strong winter storm moved across the state and spawned a tornado in the small town of El Mirage. Damage was mainly limited to roofs, although the tornado was strong enough to move a parked pickup truck about six feet and damaged a metal storage shed.	Phoenix	0	0	\$50,000	\$0	\$50,000	NCDC, 2008
07-Mar-94	Tornado	A pilot reported a weak tornado briefly touching down just south of the Foothills Golf Course. Some roof damage occurred to a large maintenance building.	Phoenix	0	0	\$5,000	\$0	\$5,000	NCDC, 2008
13-Feb-95	Tornado	A National Weather Service Survey Team concluded a weak (F1) tornado occurred at the General Motors Desert Proving Grounds facility. Moderate damage was observed. A roof was damaged and about 20 vehicles were damaged and moved around. One vehicle was lifted, moved several feet, and set down inside a roped off area containing solar exposure equipment. The tornado moved northeast and lasted about five minutes. Damage was initially estimated around \$200,000.	Phoenix	0	0	\$200,000	\$0	\$200,000	NCDC, 2008

Date	Hazard	Description	Location	Fatalities	Injuries	Damage Estimates			
						Property	Crop/Livestock	Total	Source
10-Jun-96	Tornadoe / Dust Devil	Half of a roof was blown off a house in Tucson near River and Campbell streets. No thunderstorms in area so most likely cause was a very strong dust devil.		0	0	\$15,000	\$0	\$15,000	NCDC, 2008
3/30/2004	Wildfire	In March 2004, The Citris Fire located west of Gila Bend burned over 5,700 acres along the Gila River included State, Private and Federal lands.	Gila Bend	0	0	\$0	\$0	\$0	URS, 2004
6/1/2005	Wildfire	In June 2005, lightning touched off the Cave Creek Complex Fire in the northern part of Maricopa County about 5 miles northeast of Carefree. The fire had threatened 440 homes in the Tonto Hills and Camp Creek areas, as well as major power lines serving Phoenix. There were damages reported to 11 residences and 3 out-buildings in Camp Creek.	Carefree	0	0	\$0	\$0	\$0	USFS, 2009
6/25/2008	Wildfire	In June 2008, lightning touched off the Ethan Brush Fire in the heavily vegetated Gila River bed south of Laveen. Approximately 50 residents of 18 homes were evacuated overnight and allowed to return the their undamaged homes the next day. The fire ultimately consumed about 7,000 acres.	Laveen	0	0	\$0	\$0	\$0	Az Republic, 2008
8/1/2008	Wildfire	In August 2008, the Robins Butte fire burned about 500 acres of the Gila River bottom located four miles west of State Route 85, south of Palo Verde Road, and near Buckeye.	Buckeye	0	0	\$0	\$0	\$0	Az Republic, 2008