

Summary

- The monthlong streak of 110°F+ days has finally ended, but the minor respite is expected to be short-lived.
- There have been significant public health impacts from the unprecedented heat, including new records for daily, weekly, and monthly heat-related 911 calls.
- The City provided enhanced support for select cooling/respice centers for the third consecutive weekend and continues to operate a bus as a temporary cooling center.

1. NATIONAL WEATHER SERVICE FORECAST

Monday’s high temperature of 108°F brought an end to the record-setting streak of 31 days at or above 110°F. Temperatures are expected to remain more modest—but still above normal—for another two days before drier air and extreme heat returns for the weekend. The drier and hotter conditions may persist into the following week.

Tue Aug 01	Wed Aug 02	Thu Aug 03	Fri Aug 04	Sat Aug 05	Sun Aug 06	Mon Aug 07
109	111	113	115	115	116	114
91	90	89	90	90	90	
No risk.	Risk to those extremely sensitive to heat.	Risk to those sensitive to heat.	Risk to those sensitive to heat.	Risk to most people.	Risk to everyone.	
None	Minor	Moderate	Major	Extreme		

NWS Phoenix Heat Dashboard: <https://www.weather.gov/psr/heat>

2. HEAT-HEALTH DATA

HEAT-RELATED MORTALITY AND MORBIDITY

The Maricopa County Department of Public Health has confirmed 25 heat-associated deaths countywide for 2023 as of July 22, with 249 cases under investigation. Twenty cases were associated with outdoor exposure, and nine were among people experiencing homelessness. At the same time last year, there were 38 confirmed cases, with 256 under investigation. All MCDPH heat-health reports are available online: <https://www.maricopa.gov/1858/Heat-Surveillance>.

HEAT-RELATED CALLS FOR SERVICE TO PHOENIX FIRE DEPARTMENT

As of July 30, the Phoenix Fire Department has responded to 1,502 calls for heat-related illness this summer. This call volume is more than **27% higher** than last year’s total as of July 30. Daily heat-related call volumes have dropped by approximately 50% since the peak of the monthlong heatwave, but still remain high compared to the historical average. Seven days in July had 50 or more heat-related calls; last year there was only one such occurrence. (Note: an updated map was not available for this week’s report).



3. DEPARTMENT AND PROGRAM REPORTS

- Heat Relief Network facilities:
 - There are 44 city facilities serving as cooling centers or hydration stations. All regional sites are mapped by MAG: <https://hrn.azmag.gov/>. Free transportation to cooling centers is available 8am-5pm daily through Arizona 211.
 - Phoenix provided additional support for two cooling/respice centers in Downtown Phoenix for July 29-30. Volunteers were deployed following the same model as the prior weekend. Staff continue to monitor site needs.
 - A city bus was deployed to provide additional cooled space near the Human Services Campus beginning July 19. The bus has seen an average of 112 visitors each day.
- Heat Response and Mitigation / Volunteer Programs:
 - The We're Cool program has reached 4,915 engagements across 48 shifts with more than 920 hours of volunteer time contributed thus far.
 - A new downtown Heat Relief station located Cesar Chavez Plaza launched July 13 in collaboration with Homeless Solutions, Downtown Phoenix Inc., Community Bridges Inc., and Fire. This site is expected to remain operational through September.
 - The City of Phoenix has distributed 6,792 cases of water (~192,768 bottles) to 34 community partners. An additional 2,436 cases (~58,464) bottles have been distributed to City departments participating in the Heat Relief Network.
 - Staff have reviewed the second round of applications for the heat relief grant program and are confirming funding agreements with intended recipients.
- No experienced or anticipated service impacts were reported by City departments over the prior week. City departments continue to promote available resources.

4. UPCOMING MEETINGS AND EVENTS OF NOTE

- Arizona Heat Resilience Work Group:
 - Meets the first and third Thursday of each month at 3pm during the summer
 - <https://asu.zoom.us/j/89813795064> (first Thursday)
 - <https://asu.zoom.us/j/83924761104> (third Thursday)
- Regional Cooling Center Work Group:
 - Meets the third Tuesday of each month at 2pm
 - <https://asu.zoom.us/j/87075809286>

5. YEAR-TO-DATE WEATHER CONDITIONS (AS OF JULY 30)

HOT DAYS AND NIGHTS TRACKER

	Year to Date (2023)	Year to Date (2022)	Normal Year to Date
100°F days	67	67	62.2
110°F days	34 (most all-time YTD)	20	14.0
85°F nights	29 (6th all-time YTD)	27	19.4

Note: Normal is defined based on the 1991–2020 time period.

HEAT WARNING TRACKER

The monthlong period with an Excessive Heat Warning in effect finally expired over the weekend, ending the longest single Excessive Heat Warning in the recorded history for Phoenix. The return to very high temperatures by the end of the week will again approach warning thresholds, especially for the more urbanized core of Maricopa County.

MONTHLY AVERAGE TEMPERATURES (COMPLETED MONTHS)

	Average High (2023)	Average High (2022)	Normal Average High
April	88.0	90.1	85.6
May	96.0	97.6	94.6
June	103.3	106.5	104.4

Note: Normal is defined based on the 1991–2020 time period.

Questions about this report may be directed to Michelle Litwin, Heat Response Program Manager in the Office of Heat Response and Mitigation: michelle.litwin@phoenix.gov