

Summary

- The region has experienced 110°F temperatures for 10 consecutive days and at least another full week of such conditions is expected.
- Major to Extreme HeatRisk is currently forecast for the end of the upcoming week with a chance of temperatures reaching 120°F.
- Heat-associated deaths and illnesses are tracking below 2022 year-to-date statistics.
- City departments are reporting services and programs continuing as normal.

1. NATIONAL WEATHER SERVICE FORECAST

Extremely high temperatures are forecast for the upcoming week, in which the region is anticipated to approach the all-time record of 18 consecutive 110°F days. There is a 20% chance that temperatures reach 120°F on Saturday. Temperatures above 117°F have only been recorded 18 times in the history of Sky Harbor Airport.

Mon	Tue	Wed	Thu	Fri	Sat	Sun
111	113	113	115	116	117	117
92	92	92	91	90	91	92
No risk.		Risk to those extremely sensitive to heat.	Risk to those sensitive to heat.	Risk to most people.	Risk to everyone.	
None		Low	Moderate	High	Very High	

The extended forecast keeps the odds very much in favor of above-normal temperatures for the following week. There are no clear signals of a transition toward the typical late season monsoonal pattern at this time.

NWS Phoenix Forecast Office Heat Dashboard: <https://www.weather.gov/psr/heatdashboard>

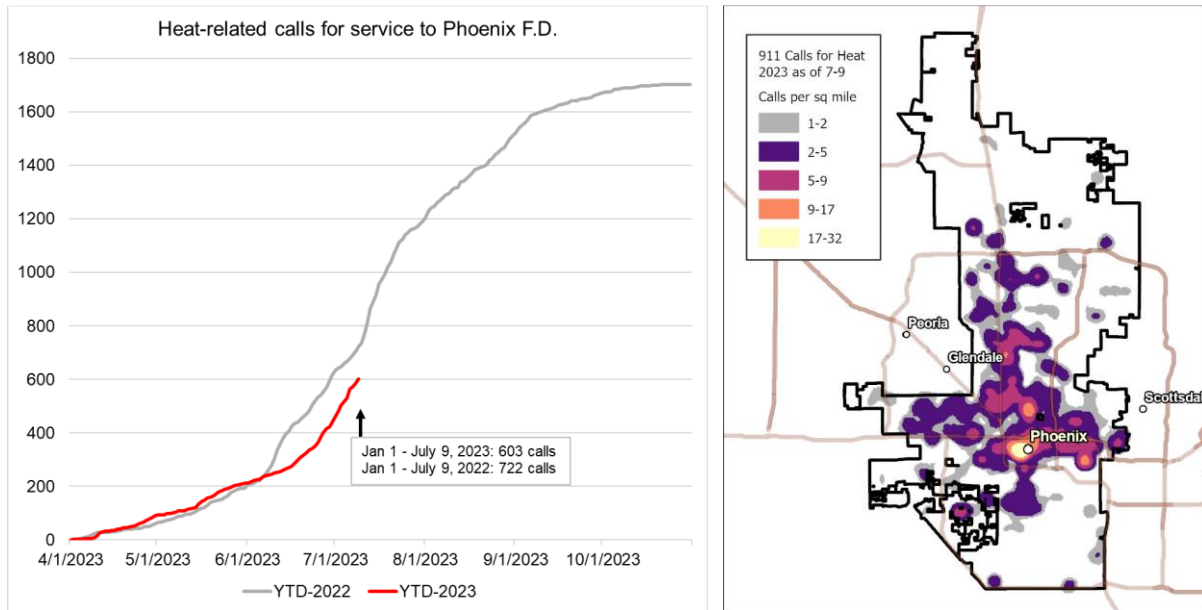
2. HEAT-HEALTH DATA

HEAT-RELATED MORTALITY AND MORBIDITY

The Maricopa County Department of Public Health has confirmed 8 heat-associated deaths countywide for 2023 as of July 6, with 40 cases under investigation. All 8 cases were associated with outdoor exposure and 4 were among people experiencing homelessness. As of the same time last year, there were 13 confirmed cases with 92 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 9, 2023, heat-related calls for service to the Phoenix Fire Department were running approximately 20% **lower** than 2022. Spatially, heat-related calls for service were concentrated in a few areas: the Central City/Downtown area, Indian School Rd and Central Ave, Sky Harbor airport, and along the I-17 from Indian School Rd to Peoria Ave.



3. DEPARTMENT AND PROGRAM REPORTS

- Heat Relief Network facilities:
 - There are 62 city facilities serving as cooling centers or hydration stations. Information about all regional heat relief sites is available from MAG: <https://hrn.azmag.gov/>. Free transportation to cooling centers is available 8am-5pm daily through Arizona 211.
- Heat Response and Mitigation / Volunteer Programs:
 - The We're Cool heat relief outreach program has reached 3,442 engagements across 40 shifts. Outreach takes place at rotating locations on Tuesdays, near the Human Services Campus on Wednesdays, near City Hall on Thursdays, and at Echo Canyon or Piestewa Peak on Saturdays.
 - A new Downtown Phoenix We're Cool Heat Relief shift will be piloted this Thursday at Cesar Chavez Plaza from 10:00 am to 2:00 pm. This is in collaboration with partners including Homeless Solutions, Downtown Phoenix Inc., Community Bridges Inc., and Fire.

- The City of Phoenix has distributed 4,872 cases of water (~117,000 bottles) to 31 community partners. An additional 1,476 cases (~31,000 bottles) have been distributed to City departments participating in the Heat Relief Network.
- Applications for the heat relief supply grant program for community partners are due by Friday, July 14. More information is available at phoenix.gov/heat.
- No reports of experienced or anticipated service impacts were reported by City departments at the time of this report. City departments are reporting proactive measures to alert the public of dangerous conditions and of 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 9)

HOT DAYS AND NIGHTS TRACKER

	Year to Date (2023)	Year to Date (2022)	Normal Year to Date
100°F days	46	49	43.0
110°F days	13	8	8.5
85°F nights	8	16	8.0

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

HEAT WARNING TRACKER

Today marked the 10th day of the season with an Excessive Heat Warning in effect in Phoenix. 2023 was the first year since 2009 that no Excessive Heat Warnings were issued prior to July 1.

MONTHLY AVERAGE TEMPERATURES

	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

Summary

- Phoenix has experienced 18 consecutive 110°F days and at least another five days of Extreme HeatRisk is expected.
- Heat-related 911 calls to the Phoenix have recently surged to year-to-date highs.
- The City provided enhanced support for three cooling/respice centers over the weekend.

1. NATIONAL WEATHER SERVICE FORECAST

The forecast for the upcoming week is again dominated by extremely high and potentially record-setting temperatures. Tuesday will almost certainly establish a new record for the number of consecutive 110°F days (19) and there is unfortunately no suggestion of the current weather pattern being interrupted in the foreseeable future. The best opportunity for some relief will be an increase in moisture and storm potential heading into the weekend, but it is too early to have much confidence that any precipitation will materialize.

Tue Jul 18	Wed Jul 19	Thu Jul 20	Fri Jul 21	Sat Jul 22	Sun Jul 23
118	118	119	118	115	115
95	94	94	94	94	93
No risk.	Risk to those extremely sensitive to heat.	Risk to those sensitive to heat.	Risk to most people.	Risk to everyone.	
None	Low	Moderate	High	Very High	

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

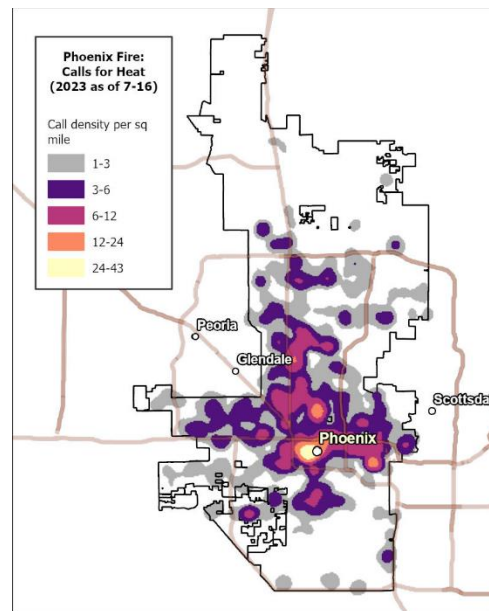
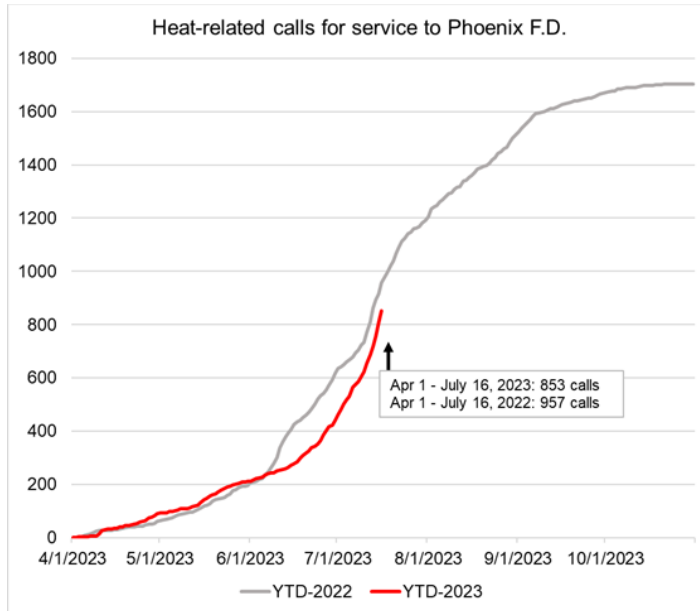
2. HEAT-HEALTH DATA

HEAT-RELATED MORTALITY AND MORBIDITY

The Maricopa County Department of Public Health has confirmed 12 heat-associated deaths countywide for 2023 as of July 11, with 55 cases under investigation. All 12 cases were associated with outdoor exposure and 6 were among people experiencing homelessness. At the same time last year, there were 17 confirmed cases with 126 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

Phoenix Fire responded to 250 heat-related 911 calls last week, including 96 calls over the weekend. The weekly total of 250 represents a record high in available records, surpassing the 243 calls received July 11–17, 2022 (a period that was slightly cooler). Year to date, heat-related calls are approximately 11% **lower** than in 2022, but the severity of the weather forecast suggests that this gap will close quickly. Spatially, heat-related calls for service continue to concentrate in the Central City/Downtown area, around Central Ave and Indian School Rd, along the I-17 corridor between Thomas Rd and Peoria Ave, and at Sky Harbor airport.



3. DEPARTMENT AND PROGRAM REPORTS

- Heat Relief Network facilities:
 - There are 62 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 three cooling/respite centers in Downtown Phoenix for July 15-16. Volunteers and extra heat relief supplies were deployed to Burton Barr Library, First Church, and the Lincoln Family YMCA in anticipation of high demand. Staff continue to monitor heat relief site needs.

- Heat Response and Mitigation / Volunteer Programs:
 - The We're Cool program has reached 4,029 engagements across 44 shifts with more than 700 hours of volunteer time contributed thus far.
 - A new downtown Heat Relief station was piloted July 13 at Cesar Chavez Plaza in collaboration with Homeless Solutions, Downtown Phoenix Inc., Community Bridges Inc., and Fire. Over four hours, more than 100 people received cooling supplies and information and six engagements resulted in shelter placements.
 - The City of Phoenix has distributed 4,872 cases of water (~117,000 bottles) to 31 community partners. An additional 1,476 cases (~31,000 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 funding announcements are anticipated soon.

- No experienced or anticipated service impacts were reported by City departments over the prior week. City departments continue to enact proactive measures to alert the public of dangerous conditions and of 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 16)

HOT DAYS AND NIGHTS TRACKER

	Year to Date (2023)	Year to Date (2022)	Normal Year to Date
100°F days	53	56	49.6
110°F days	20 (T-3 rd all-time YTD)	15	10.8
85°F nights	15	23	1,,6

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

HEAT WARNING TRACKER

Today marked the 17th day of the season with an Excessive Heat Warning in effect in Phoenix, tying the total number of heat warning days for calendar year 2022.

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

Summary

- The region has experienced a record-setting 25 consecutive 110°F days and at least another five days of Extreme HeatRisk is expected.
- Phoenix experienced record high heat-related 911 last week.
- The City provided enhanced support for three cooling/respite centers for the second consecutive weekend and deployed a bus to serve as a temporary cooling center.

1. NATIONAL WEATHER SERVICE FORECAST

Record-setting temperatures persist in the forecast for the first half of this week. A gradual shift in the weather pattern is expected to bring temperatures closer to seasonal normals by early next week. There is no strong signal yet of a transition to an active monsoon pattern.

Tue Jul 25	Wed Jul 26	Thu Jul 27	Fri Jul 28	Sat Jul 29	Sun Jul 30	Mon Jul 31
119	119	115	114	113	109	109
95	94	93	92	91	90	
No risk.		Risk to those extremely 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>

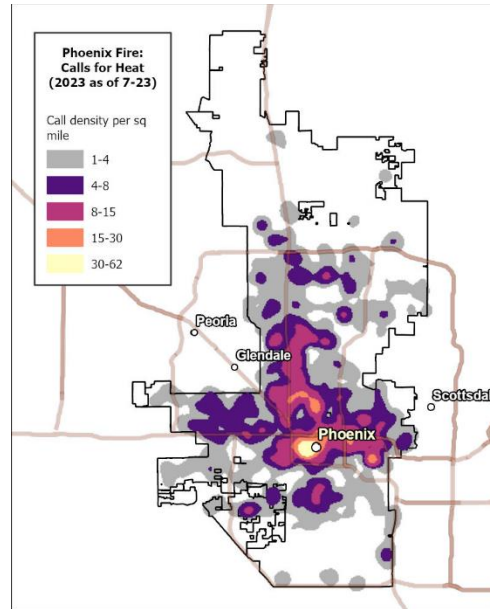
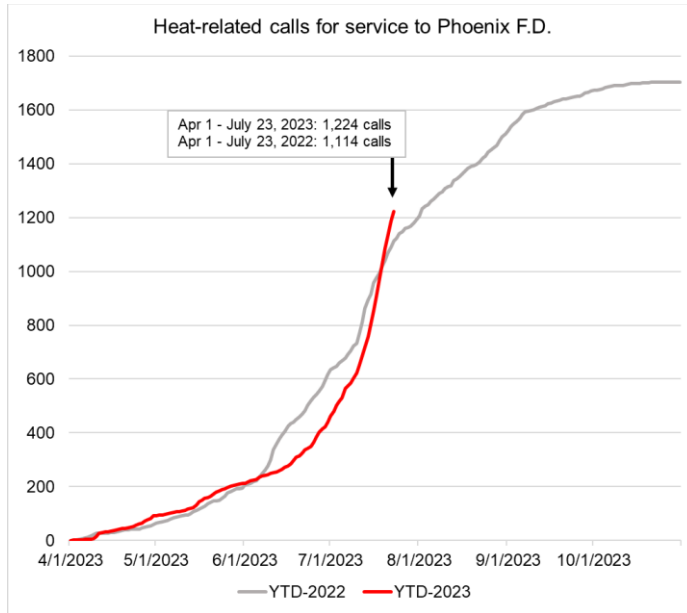
2. HEAT-HEALTH DATA

HEAT-RELATED MORTALITY AND MORBIDITY

The Maricopa County Department of Public Health has confirmed 18 heat-associated deaths countywide for 2023 as of July 19, with 69 cases under investigation. Fourteen cases were associated with outdoor exposure, and six were among people experiencing homelessness. At the same time last year, there were 29 confirmed cases, with 193 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

Phoenix Fire responded to 371 heat-related 911 calls last week, including a record daily high of 70 calls on July 18. **The weekly total of 371 represents a record high in available records**, surpassing the previous record of 250 calls received last week (July 10–16, 2023). For the first time this year, heat-related calls have surpassed 2022 year-to-date totals, and are now approximately 9% **higher** than in 2022. Spatially, heat-related calls for service have concentrated in the Central City/Downtown area, around Central Ave and Indian School Rd, along the I-17 corridor between Thomas Rd and Peoria Ave, Central Ave between Broadway Rd and Baseline Rd, and at Sky Harbor airport.



3. DEPARTMENT AND PROGRAM REPORTS

- Heat Relief Network facilities:
 - There are 62 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 three cooling/respice centers in Downtown Phoenix for July 22-23. 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 4,455 engagements across 43 shifts with more than 800 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. Thursday, July 20, Phoenix Fire was called to this site to assist with a gentleman experiencing heat exhaustion. They were able to tend to the man and transport him to Banner Hospital.
 - The City of Phoenix has distributed 6,048 cases of water (~145,152 bottles) to 31 community partners. An additional 2,268 cases (~40,320 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 funding announcements are anticipated soon.

- 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 23)

HOT DAYS AND NIGHTS TRACKER

	Year to Date (2023)	Year to Date (2022)	Normal Year to Date
100°F days	60	63	56
110°F days	27 (most all-time YTD)	20	12.3
85°F nights	22 (T-8 all-time YTD)	27	15.6

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

HEAT WARNING TRACKER

Today marked the 24th day of the season with an Excessive Heat Warning in effect in Phoenix. 2023 now ranks tied for second with respect to the number of heat warning days issued in a calendar year since records began in 2006. The all-time record for heat warning days in a single calendar year is 49, set in 2020.

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

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 temperautre 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 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

CITY OF PHOENIX WEEKLY HEAT RESPONSE REPORT

AUGUST 7, 2023

REVIEWING JULY 31 – AUGUST 6

Summary

- The month of July concluded as the hottest month ever in the recorded history of Phoenix, by a considerable margin. It was also the hottest month ever for any major American city.
- Heat-related 911 call volumes remain higher than is typical for this time of the year but remain lower than the daily peaks seen in mid-July.
- The City continues to support enhanced operations at select locations in downtown Phoenix, including the deployment of a city bus as a temporary cooling center.

1. NATIONAL WEATHER SERVICE FORECAST

Temperatures will modestly drop this week as a surge of humidity arrives from the Gulf of California. Daily highs will be at or below 110°F through Friday, until drier air and another chance at temperatures near 115°F arrives for the weekend.

Tue Aug 08	Wed Aug 09	Thu Aug 10	Fri Aug 11	Sat Aug 12	Sun Aug 13
110	108	108	108	110	112
90	88	86	88	88	89
No risk.	Risk to those extremely 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>

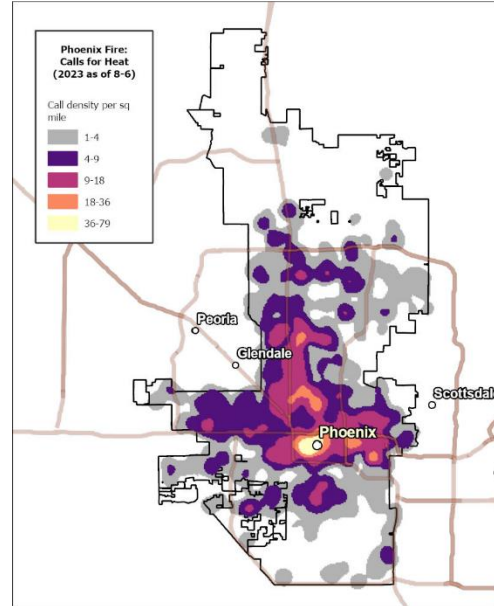
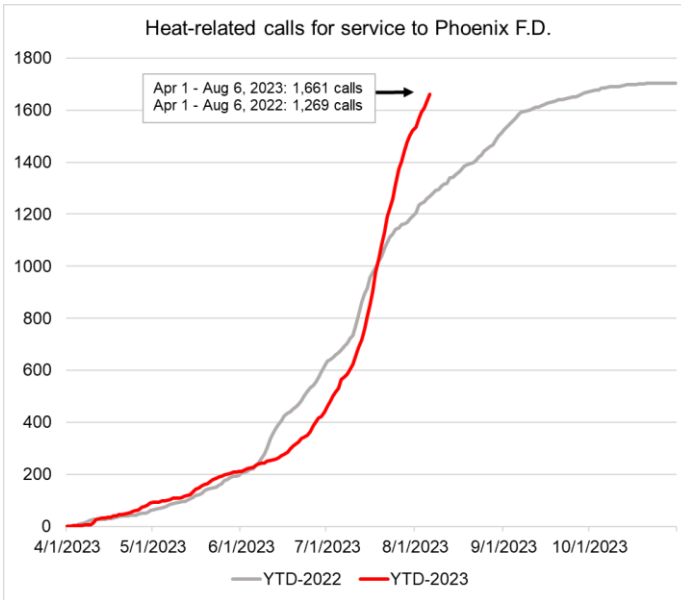
2. HEAT-HEALTH DATA

HEAT-RELATED MORTALITY AND MORBIDITY

The Maricopa County Department of Public Health has confirmed 39 heat-associated deaths countywide for 2023 as of July 29, with 312 cases under investigation. Thirty cases were associated with outdoor exposure, and twelve were among people experiencing homelessness. At the same time last year, there were 42 confirmed cases, with 282 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 August 6, 2023, the Phoenix Fire Department has responded to 1,661 calls for heat-related illness this summer. This call volume is more than **30% higher** than last year's total at this time. Daily heat-related call volumes have dropped significantly since the peak of the monthlong heatwave in July, but still remain high compared to the historical average. Spatially, heat-related calls for service have concentrated in the Central City/Downtown area, along the I-17 corridor between Thomas Rd & Peoria Ave (especially around 7th/19th Ave & Camelback/Indian School Rd and 19th Ave & Dunlap Ave), 24th St & Van Buren Rd, and Sky Harbor airport.



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 three cooling/respite centers in Downtown Phoenix for August 5–6.
 - The city bus serving as a temporary cooling center near the Human Services Campus has had 1,262 visitors since August 1 and 3,648 since its deployment on July 19.

- Heat Response and Mitigation / Volunteer Programs:
 - The We're Cool program has reached 5,295 engagements across 52 shifts with more than 1,000 hours of volunteer time contributed thus far.
 - The new downtown Heat Relief station located Cesar Chavez Plaza will remain operational through September.
 - The City of Phoenix has distributed 6,792 cases of water (~192,768 bottles) to 34 community partners. An additional 2,484 cases (~60,384 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.

- City departments reported no experienced or anticipated service impacts over the prior week and 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>
- Phoenix Environmental Quality and Sustainability Commission:**
 Next meeting is Thursday, August 10 at 3:00pm
 Agenda topics for this month include SRP and APS sustainability goals
 Meeting link available at:
<https://www.phoenix.gov/cityclerk/site/PublicMeetings/230810004.pdf>

5. YEAR-TO-DATE WEATHER CONDITIONS (AS OF AUGUST 6)

HOT DAYS AND NIGHTS TRACKER

	Year to Date (2023)	Year to Date (2022)	Normal Year to Date
100°F days	74	73	68.5
110°F days	39 (most all-time YTD)	20	15.8
85°F nights	35 (4th all-time YTD)	31	23.4

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

HEAT WARNING TRACKER

Another Excessive Heat Warning expired Monday night, August 7. No Excessive Heat Advisories, Watches, or Warnings are currently issued for the Phoenix area, but temperatures may approach warning thresholds again for the upcoming weekend.

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
July	114.7 (new record)	107.5	106.5

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

CITY OF PHOENIX WEEKLY HEAT RESPONSE REPORT

AUGUST 14, 2023

REVIEWING AUGUST 7 – 13

Summary

- Governor Hobbs declared a State of Emergency for Maricopa, Pinal, and Coconino Counties for extreme heat, effective for the period June 30–July 30.
- Daily record high temperatures will again be challenged this week with a brief surge in temperatures before a major cooldown for the weekend.
- Public health impacts from the ongoing above-average temperatures remain significant.

1. NATIONAL WEATHER SERVICE FORECAST

Temperatures are expected to steadily increase over the next few days with Extreme Heat Risk back in the forecast for Wednesday and Thursday. However, a long-awaited cool down is forecast for the weekend along with elevated chances for precipitation.

Tue Aug 15	Wed Aug 16	Thu Aug 17	Fri Aug 18	Sat Aug 19	Sun Aug 20
112	114	115	111	105	97
91	93	91	88	85	85
No risk.	Risk to those extremely 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>

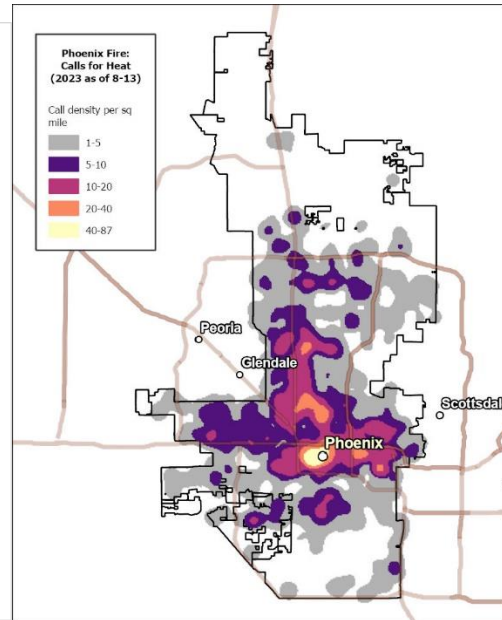
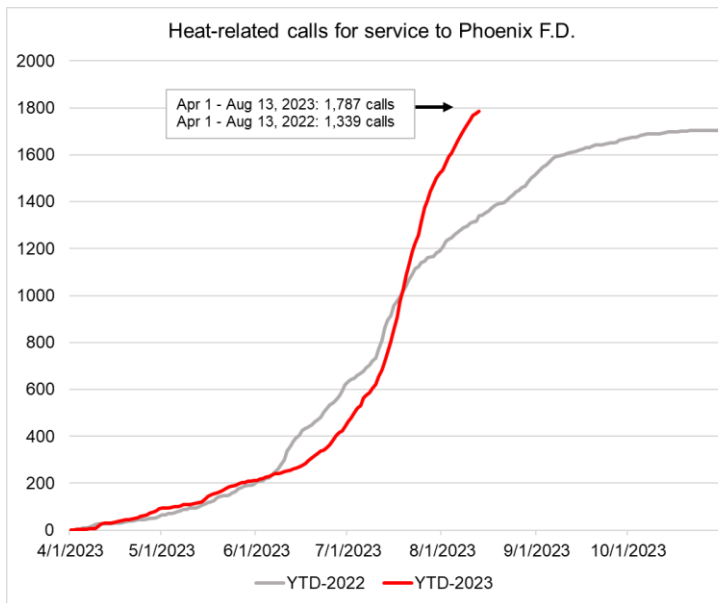
2. HEAT-HEALTH DATA

HEAT-RELATED MORTALITY AND MORBIDITY

The Maricopa County Department of Public Health has confirmed 59 heat-associated deaths countywide for 2023 as of August 5, with 345 cases under investigation. 43 cases were associated with outdoor exposure, and 17 were among people experiencing homelessness. At the same time last year, there were 44 confirmed cases, with 287 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 August 13, the Phoenix Fire Department has responded to 1,787 calls for heat-related illness this summer. This call volume is more than **33% higher** than last year's total at this time. Daily heat-related call volumes have dropped significantly since the peak of the monthlong heatwave in July, but still remain high compared to the historical average. In the past week, calls primarily concentrated in the Central/City Downtown region, Central Ave & Indian School Rd, and 19th Ave & Camelback Rd. Year-to-date, heat-related calls for service have primarily concentrated in the Central City/Downtown area. Other areas of concern include along the I-17 corridor between Thomas Rd & Peoria Ave (especially around 7th/19th Ave & Camelback/Indian School Rd and 19th Ave & Dunlap Ave), 24th St & Van Buren Rd, and Sky Harbor airport.



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 August 12–13.
 - The city bus serving as a temporary cooling center near the Human Services Campus has had 2,993 visitors since August 1 and 5,379 since its deployment on July 19. A construction trailer was also opened as a temporary cooling center near the Human Services Campus on August 11.

- Heat Response and Mitigation / Volunteer Programs:
 - The We're Cool program has reached 5,710 engagements across 56 shifts with more than 1,025 hours of volunteer time contributed thus far.
 - The new downtown Heat Relief station located Cesar Chavez Plaza will remain operational through September.
 - The City of Phoenix has distributed 7,512 cases of water (~238,848 bottles) to 35 community partners. An additional 2,672 cases (~70,592) bottles have been distributed to City departments participating in the Heat Relief Network.

- City departments reported no experienced or anticipated service impacts over the prior week and continue to promote available resources.

4. UPCOMING MEETINGS AND EVENTS OF NOTE

- FEMA Hazard Mitigation Assistance Resilience Webinar on Extreme Heat
Wednesday, August 16, 11am–12:30pm MST
<https://www.fema.gov/event/hazard-mitigation-assistance-resilience-webinar-extreme-heat-summerready-2>
- 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>
- Phoenix Environmental Quality and Sustainability Commission:
Typically meets the second Thursday of each month at 3pm
Meetings posted at <https://www.phoenix.gov/cityclerk/publicmeetings/notices>

5. YEAR-TO-DATE WEATHER CONDITIONS (AS OF AUGUST 13)

HOT DAYS AND NIGHTS TRACKER

	Year to Date (2023)	Year to Date (2022)	Normal Year to Date
100°F days	81	79	74.7
110°F days	43 (most all-time YTD)	20	17.2
85°F nights	41 (T-most all-time YTD)	33	26.6

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

HEAT WARNING TRACKER

An Excessive Heat Warning is in effect for the Phoenix area from 10am on Wednesday, August 16 through 8pm on Thursday, August 17.

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
July	114.7 (new record)	107.5	106.5

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

CITY OF PHOENIX WEEKLY HEAT RESPONSE REPORT

AUGUST 21, 2023

REVIEWING AUGUST 14-20

Summary

- Remnants of Hurricane Hilary have pushed temperatures for the Phoenix area below seasonal normals and high temperatures below 100°F for the first time since mid-June.
- There is very high confidence that temperatures will again exceed 110°F by the weekend, with a chance of more daily temperature records being broken.
- Heat-health data are showing approximately 30% more cases thus far in summer 2023 compared to the same period last year.

1. NATIONAL WEATHER SERVICE FORECAST

Temperatures near and below seasonal normals will persist for the next few days before another warmup arrives for the weekend. Daily record highs may be threatened as early as Saturday and continuing into the following week as the high pressure system currently impacting the central U.S. shifts westward.

Tue Aug 22	Wed Aug 23	Thu Aug 24	Fri Aug 25	Sat Aug 26	Sun Aug 27
106	104	101	108	111	112
87	84	87	89	89	90
No risk	Risk to those extremely 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 89 heat-associated deaths countywide for 2023 as of August 12, with 349 cases under investigation. 68 of the confirmed cases were associated with outdoor exposure, and 31 were among people experiencing homelessness. At the same time last year, there were 66 confirmed cases, with 268 under investigation. All MCDPH heat-health reports are available online:

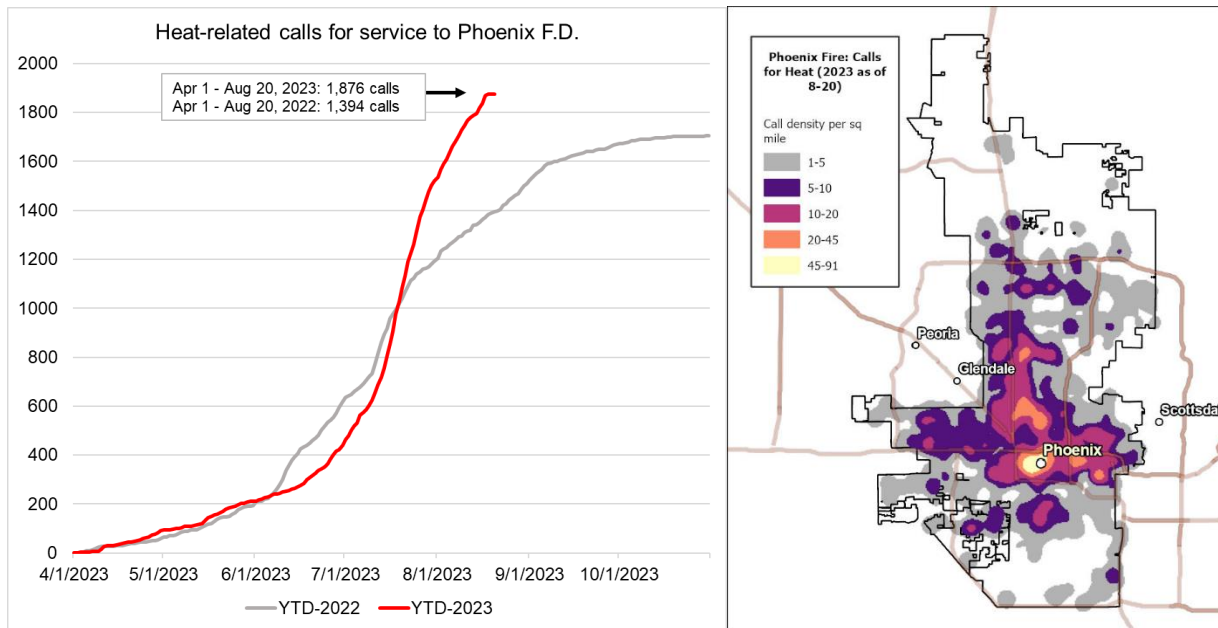
<https://www.maricopa.gov/1858/Heat-Surveillance>.

HEAT-RELATED CALLS FOR SERVICE TO PHOENIX FIRE DEPARTMENT

As of August 20, 2023, the Phoenix Fire Department has responded to 1,876 calls for heat-related illness this summer. This call volume is more than **35% higher** than last year's total at this time. The vast majority of calls last week (~80%) occurred between 8/15 and 8/17, in which temperatures exceeded 110 °F.

In the past week, calls mainly concentrated in the Downtown region mostly within a half-mile radius of Van Buren and 3rd Ave. Year-to-date, heat-related calls for service have primarily concentrated in the Central City/Downtown area. Other areas of concern include along the I-17 corridor between Thomas Rd & Peoria Ave (especially around 7th/19th Ave & Camelback/Indian School Rd and 19th Ave & Dunlap Ave), 24th St & Van Buren Rd, and Sky Harbor airport.





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 August 19-20.
 - The city bus serving as a temporary cooling center near the Human Services Campus has had 4,334 visitors since August 1 and 6,720 since its deployment on July 19. A construction trailer was also opened as a temporary cooling center near the Human Services Campus on August 11.
- Heat Response and Mitigation / Volunteer Programs:
 - The We're Cool program has reached 5,835 engagements across 57 shifts with more than 1,042 hours of volunteer time contributed thus far.
 - The new downtown Heat Relief station located Cesar Chavez Plaza will remain operational through September.
 - The City of Phoenix has distributed 7,512 cases of water (~238,848 bottles) to 35 community partners. An additional 2,672 cases (~70,592) bottles have been distributed to City departments participating in the Heat Relief Network.
- City departments reported no experienced or anticipated service impacts over the prior week and 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>
- Phoenix Environmental Quality and Sustainability Commission:**
 Typically meets the second Thursday of each month at 3pm
 Meetings posted at <https://www.phoenix.gov/cityclerk/publicmeetings/notices>

5. YEAR-TO-DATE WEATHER CONDITIONS (AS OF AUGUST 20)

HOT DAYS AND NIGHTS TRACKER

	Year to Date (2023)	Year to Date (2022)	Normal Year to Date
100°F days	87	84	81.1
110°F days	46 (most all-time YTD)	20	18.3
85°F nights	46 (2 nd most all-time YTD)	34	29.4

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

HEAT WARNING TRACKER

No Excessive Heat Watches or Warnings are currently in effect, but there is a reasonable probability that an Excessive Heat Warning will be declared for the upcoming weekend and into the first few days of the following week.

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
July	114.7 (new record)	107.5	106.5

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

CITY OF PHOENIX WEEKLY HEAT RESPONSE REPORT

AUGUST 28, 2023

REVIEWING AUGUST 21-27

Summary

- An Excessive Heat Warning is in effect through Tuesday evening and daily high temperature records will be threatened or broken on both Tuesday and Wednesday.
- Daily high temperatures are forecast to drop below seasonal normals by the weekend.
- Heat-related health impacts continue to track well above last year's year-to-date metrics.

1. NATIONAL WEATHER SERVICE FORECAST

A climatologically exceptional high pressure system sits over the Southwest and will continue to drive record-setting high temperatures through midweek. The system will weaken and move to the east beginning on Wednesday, resulting in lower temperatures and increased storm and precipitation probabilities by the end of the week. Temperatures are expected to remain near seasonal normals through the weekend but storm chances will drop to near zero by the start of the following week.

Tue Aug 29	Wed Aug 30	Thu Aug 31	Fri Sep 01	Sat Sep 02	Sun Sep 03
116	113	107	97	101	103
92	91	85	81	83	82
No risk.	Risk to those extremely 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

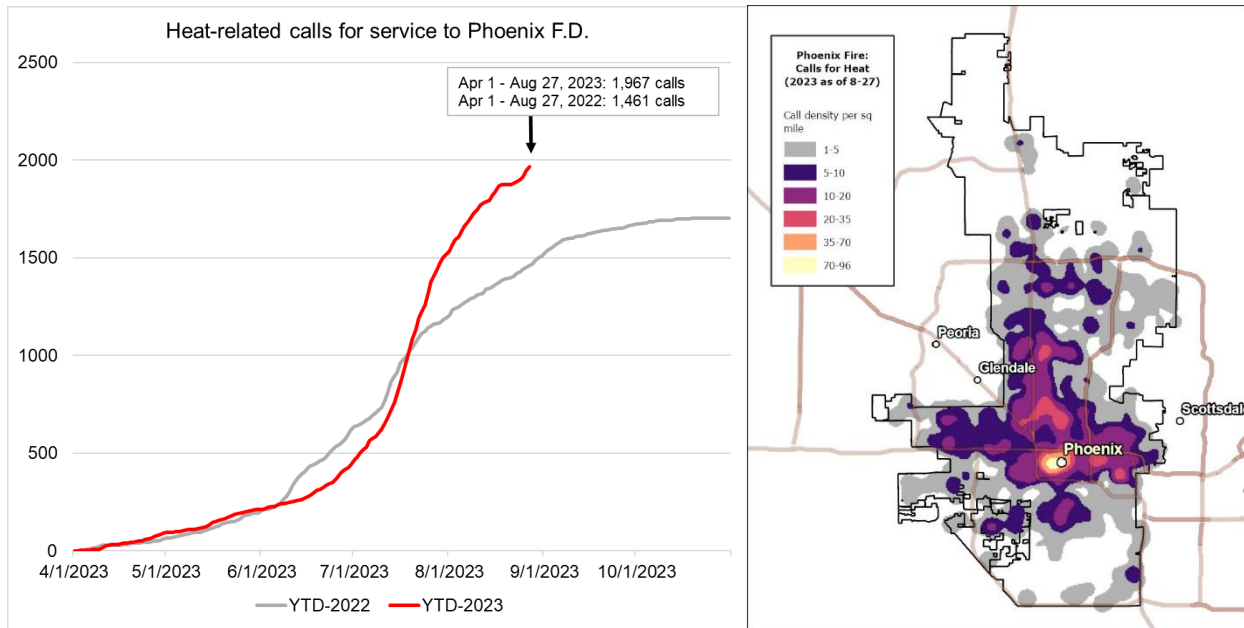
HEAT-RELATED MORTALITY AND MORBIDITY

The Maricopa County Department of Public Health has confirmed 133 heat-associated deaths countywide for 2023 as of August 19, with 341 additional cases under investigation. 99 of the confirmed cases were associated with outdoor exposure, and 54 were among people experiencing homelessness. At the same time last year, there were 82 confirmed cases, with 265 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 August 27, 2023, the Phoenix Fire Department has responded to 1,967 calls for heat-related illness this summer. This call volume is **35% higher** than last year's total at this time. The vast majority of calls last week (~75%) occurred between 8/25 and 8/27, in which temperatures exceeded 110 °F.

In the past week, calls mainly concentrated in the Downtown region, mostly within a half-mile radius of Washington St and 2nd Ave. Year-to-date, the highest concentration of heat-related calls for service has been the Central City/Downtown area (accounting for ~12% of calls). The second highest call density has been the I-17 corridor between Thomas Rd & Peoria Ave (especially around 7th/19th Ave & Camelback/Indian School Rd (~6% of calls).



*Note: areas on the map below in pink/orange/yellow indicate areas of higher concentration.

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..
 - The city bus serving as a temporary cooling center near the Human Services Campus has had 5,720 visitors since August 1 and 8,106 since its deployment on July 19. A construction trailer was also opened as a temporary cooling center near the Human Services Campus on August 11.

- Heat Response and Mitigation / Volunteer Programs:
 - The We're Cool program has reached 6,310 engagements across 80 shifts with more than 1,745 hours of volunteer time contributed thus far.
 - The new downtown Heat Relief station located Cesar Chavez Plaza will remain operational through September.
 - The City of Phoenix has distributed 8,232 cases of water (~284,928 bottles) to 35 community partners. An additional 2,672 cases (~70,592) bottles) have been distributed to City departments participating in the Heat Relief Network.

- City departments reported no experienced or anticipated service impacts over the prior week and 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>
- Phoenix Environmental Quality and Sustainability Commission:**
 Typically meets the second Thursday of each month at 3pm
 Meetings posted at <https://www.phoenix.gov/cityclerk/publicmeetings/notices>

5. YEAR-TO-DATE WEATHER CONDITIONS (AS OF AUGUST 20)

HOT DAYS AND NIGHTS TRACKER

	Year to Date (2023)	Year to Date (2022)	Normal Year to Date
100°F days	93	89	86.9
110°F days	49 (T-most all-time YTD)	20	19.3
85°F nights	51 (2 nd most all-time YTD)	37	32.1

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

HEAT WARNING TRACKER

An Excessive Heat Warning is in effect through 8:00 p.m. on Tuesday, August 29.

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
July	114.7 (new record)	107.5	106.5

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

CITY OF PHOENIX WEEKLY HEAT RESPONSE REPORT

SEPTEMBER 5, 2023

REVIEWING AUGUST 28-SEPTEMBER 4

Summary

- Record-setting temperatures are again in the forecast for the upcoming weekend with daily highs expected to exceed 110°F.
- Heat-related health impacts continue to track well above last year's year-to-date metrics.
- The cooling bus deployed near the Human Services Campus concluded its mission with nearly 10,000 visits over 47 days. A new cooling site is available near the bus location.

1. NATIONAL WEATHER SERVICE FORECAST

The short stretch of temperatures at or below seasonal normals will come to an end this week. Record-setting temperatures are back in the forecast for the weekend as a high pressure system expands and drifts northward from Mexico. Extreme HeatRisk is currently forecast for Sunday and Monday, and there is a very high probability that the weekend weather will push Phoenix above its all-time record of 53 days at or above 110°F. Temperatures are expected to begin to moderate by the middle of the following week.

Wed Sep 06	Thu Sep 07	Fri Sep 08	Sat Sep 09	Sun Sep 10	Mon Sep 11
106	108	109	113	113	110
82	84	85	87	88	86
No risk.	Risk to those extremely 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

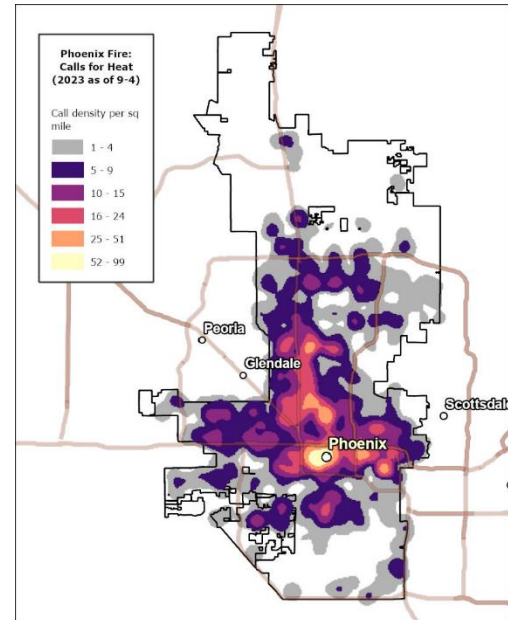
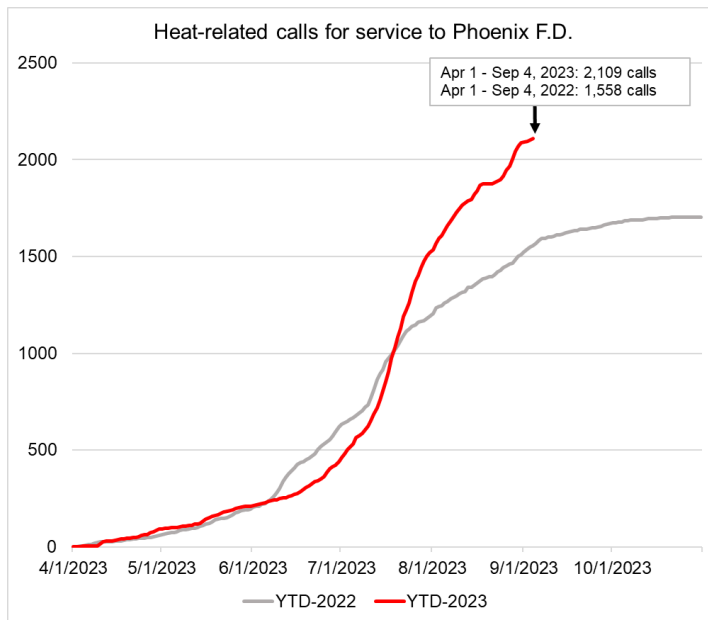
HEAT-RELATED MORTALITY AND MORBIDITY

The Maricopa County Department of Public Health has confirmed 180 heat-associated deaths countywide for 2023 as of August 26, with 330 additional cases under investigation. 135 of the confirmed cases were associated with outdoor exposure, and 79 were among people experiencing homelessness. At the same time last year, there were 11 confirmed cases, with 255 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 September 4, 2023, the Phoenix Fire Department has responded to 2,109 calls for heat-related illness this summer. This call volume is 35% higher than last year's total at this time. The vast majority of calls last week (~72%) occurred between 8/28 and 8/30, in which temperatures exceeded 110 °F. In the past week, calls mainly concentrated in the Downtown region, mostly within a one-mile radius of Van Buren St and 3rd Ave. Year-to-date, the highest concentration of heat-related calls for service has been the Central City/Downtown area (accounting for ~18% of calls). The second highest call density has been the I-17 corridor between Thomas Rd & Peoria Ave (~15% of calls), especially around 7th/19th Ave & Camelback/Indian School Rd.



*Note: areas on the map below in pink/orange/yellow indicate areas of higher concentration.

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. Heat Relief Network programs typically run through September 30.
 - The city bus serving as a temporary cooling center near the Human Services Campus concluded service on September 4, as construction trailers recently donated to the Human Services Campus are now able to provide heat relief outside of the Campus property. The bus record 9,875 visitors over its 47-day deployment period.

- Heat Response and Mitigation / Volunteer Programs:
 - The We're Cool program has reached 6,890 engagements across 84 shifts with more than 1,780 hours of volunteer time contributed thus far.
 - The new downtown Heat Relief station located Cesar Chavez Plaza will remain operational through September.
 - The City of Phoenix has distributed 8,232 cases of water (~284,928 bottles) to 35 community partners. An additional 2,672 cases (~70,592) bottles) have been distributed to City departments participating in the Heat Relief Network.

- City departments reported no experienced or anticipated service impacts over the prior week and 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>
- Phoenix Environmental Quality and Sustainability Commission:**
 Typically meets the second Thursday of each month at 3pm
 Meetings posted at <https://www.phoenix.gov/cityclerk/publicmeetings/notices>

5. YEAR-TO-DATE WEATHER CONDITIONS (AS OF SEPTEMBER 4)

HOT DAYS AND NIGHTS TRACKER

	Year to Date (2023)	Year to Date (2022)	Normal Year to Date
100°F days	99	97	93.5
110°F days	52 (2 nd most all-time)	21	20.5
85°F nights	55 (T-most all-time)	45	34.7

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

HEAT WARNING TRACKER

An Excessive Heat Warning will likely be in effect for the upcoming weekend, beginning either Friday or Saturday.

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
July	114.7 (new record)	107.5	106.5
August	109.5 (2 nd highest all-time)	103.5	105.1

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

CITY OF PHOENIX WEEKLY HEAT RESPONSE REPORT

SEPTEMBER 11, 2023

REVIEWING SEPTEMBER 5–10

Summary

- Temperatures are forecast to be near seasonal normals for the upcoming week and there are no indications of excessive heat in medium-range forecasts for the rest of September.
- Public health impacts continue to track well above last year’s metrics but are showing signs of improvement as temperatures drop.
- Most heat relief programs and services are scheduled to close for the season on September 30, contingent on weather conditions.

1. NATIONAL WEATHER SERVICE FORECAST

The weekly forecast calls for temperatures at or below seasonal normals for the remainder of the work week, with a possibility of thunderstorms and rainfall, especially on Tuesday and Wednesday. Moderate HeatRisk is expected to return for the weekend, but there are no indications that temperatures will push very far above the seasonal normal highs of 102–103°F. Medium-range forecasts suggest a continuation of typical temperatures through September.

Tue Sep 12	Wed Sep 13	Thu Sep 14	Fri Sep 15	Sat Sep 16	Sun Sep 17
99	101	102	103	105	105
81	81	79	79	79	79
No risk.	Risk to those extremely sensitive to heat.	Risk to those sensitive to heat.	Risk to most people.	Risk to everyone.	Risk to everyone.
None	Minor	Moderate	Major	Extreme	Extreme

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

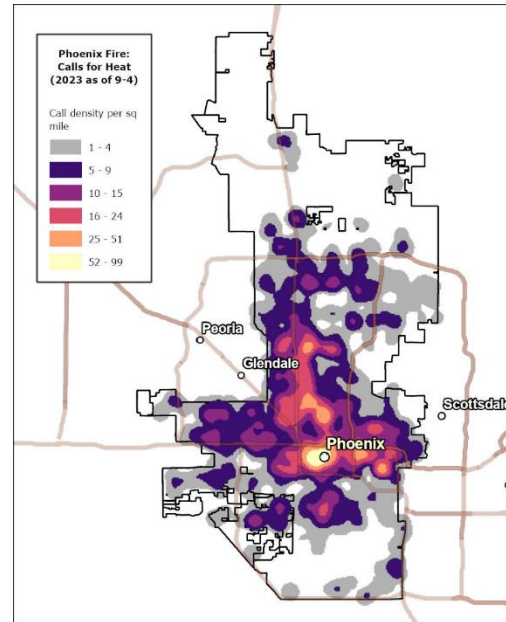
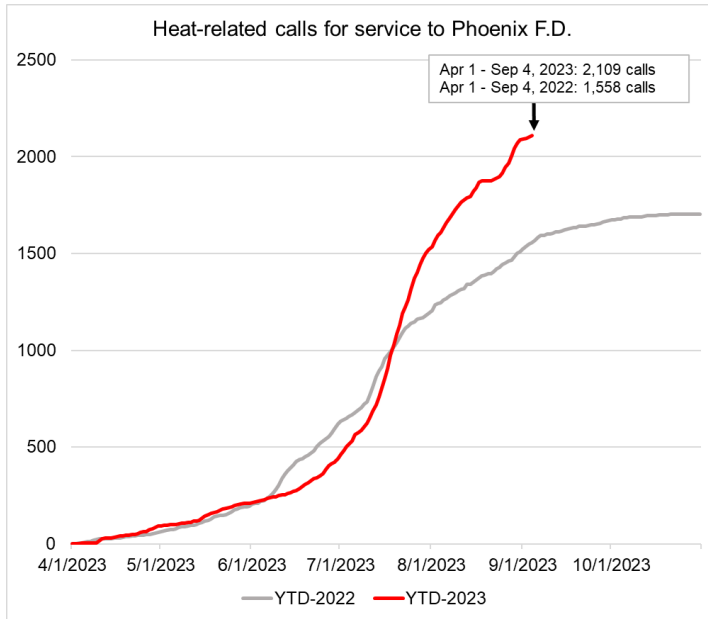
2. HEAT-HEALTH DATA

HEAT-RELATED MORTALITY AND MORBIDITY

The Maricopa County Department of Public Health has confirmed 194 heat-associated deaths countywide for 2023 as of September 2, with 351 additional cases under investigation. 142 of the confirmed cases were associated with outdoor exposure, and 81 were among people experiencing homelessness. At the same time last year, there were 153 confirmed cases, with 238 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 September 10, 2023, the Phoenix Fire Department has responded to 2,184 calls for heat-related illness this summer. This call volume is 36% higher than last year’s total at this time. Most calls last week (~64%) occurred between 9/8 and 9/10, in which temperatures exceeded 110°F. However, even with the weekend temperature surge, this week’s call volume (80 calls) was nearly half the prior week’s call volume (137 calls). Year-to-date, the highest concentration of heat-related calls for service has been the Central City/Downtown area (accounting for ~18% of calls). The second highest call density has been the I-17 corridor between Thomas Rd & Peoria Ave (~15% of calls), especially around 7th/19th Ave & Camelback/Indian School Rd.



*Note: areas on the map below in pink/orange/yellow indicate areas of higher concentration.

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. Heat Relief Network programs typically run through September 30.
 - The city bus serving as a temporary cooling center near the Human Services Campus concluded service on September 4. Construction trailers recently donated to the Human Services Campus are now providing heat relief outside of the Campus property. The bus recorded 9,875 visitors over its 47-day deployment period.

- Heat Response and Mitigation / Volunteer Programs:
 - The We're Cool program has exceeded 7,000 engagements across 87 shifts with more than 1,800 hours of volunteer time contributed thus far.
 - The new downtown Heat Relief station located Cesar Chavez Plaza will remain operational through September.
 - The City of Phoenix has distributed 8,232 cases of water (~284,928 bottles) to 35 community partners. An additional 2,672 cases (~70,592) bottles) have been distributed to City departments participating in the Heat Relief Network.

- City departments reported no experienced or anticipated service impacts over the prior week and continue to promote available resources.

4. UPCOMING MEETINGS AND EVENTS OF NOTE

- U.S. Senate Environment and Public Works Committee**
 Hearing on the Effects of Extreme Heat and Weather on Transportation
 Heat Response and Mitigation Director David Hondula will provide testimony
 Wednesday, September 13 at 10am EDT
<https://www.epw.senate.gov/public/index.cfm/2023/9/examining-the-effects-of-extreme-heat-and-weather-on-transportation>
- 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>
- Phoenix Environmental Quality and Sustainability Commission**
 Typically meets the second Thursday of each month at 3pm
 Meetings posted at <https://www.phoenix.gov/cityclerk/publicmeetings/notices>

5. YEAR-TO-DATE WEATHER CONDITIONS (AS OF SEPTEMBER 4)

HOT DAYS AND NIGHTS TRACKER

	Year to Date (2023)	Year to Date (2022)	Normal Year to Date
100°F days	105	102	97.7
110°F days	55 (new record)	22	20.6
85°F nights	58 (new record)	49	35.9

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

HEAT WARNING TRACKER

No Excessive Heat Warnings are in effect or anticipated at this time.

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
July	114.7 (new record)	107.5	106.5
August	109.5 (2 nd highest all-time)	103.5	105.1

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

CITY OF PHOENIX WEEKLY HEAT RESPONSE REPORT

SEPTEMBER 18, 2023

REVIEWING SEPTEMBER 11–17

Summary

- The upcoming week is expected to be mild with no day exceeding Minor HeatRisk.
- Heat-health impacts have dropped considerably below July and August peaks.
- Internal and external partners will be invited to participate in post-season evaluation activities beginning in October.

1. NATIONAL WEATHER SERVICE FORECAST

Temperatures are forecast to dip below seasonal normals for the remainder of the week with highs dipping below 100°F. Breezy conditions are expected for the middle of the week but precipitation chances are nearly zero. Computer models suggest that temperatures could push back above 100°F next week but there are no indications that Heat Warning thresholds will be approached.

Tue Sep 19	Wed Sep 20	Thu Sep 21	Fri Sep 22	Sat Sep 23	Sun Sep 24
100	97	98	95	97	98
77	74	73	74	74	73
No risk.	Risk to those extremely 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

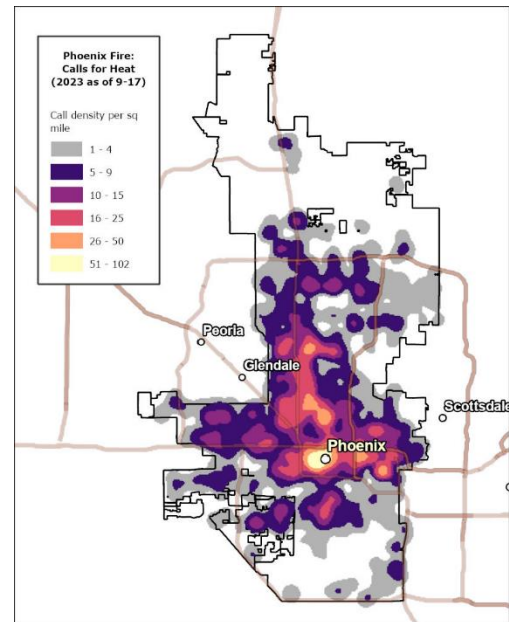
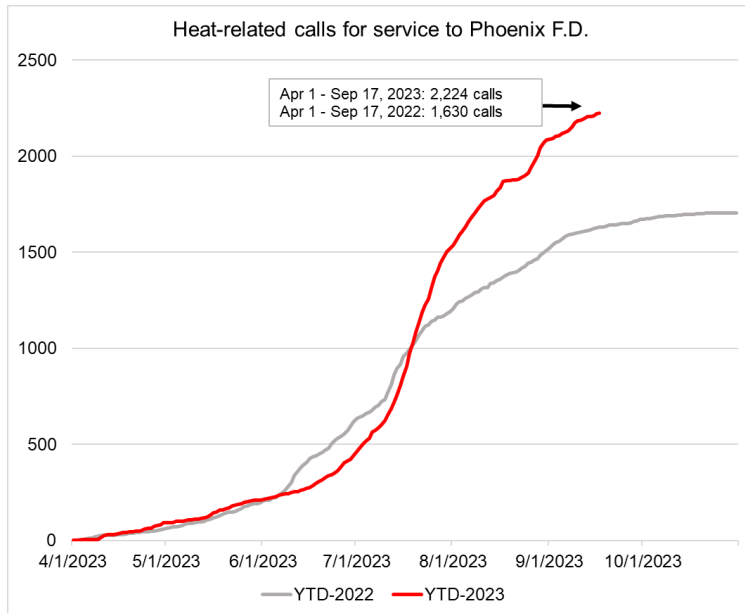
HEAT-RELATED MORTALITY AND MORBIDITY

The Maricopa County Department of Public Health has confirmed 202 heat-associated deaths countywide for 2023 as of September 9, with 356 additional cases under investigation. 149 of the confirmed cases were associated with outdoor exposure, and 84 were among people experiencing homelessness. At the same time last year, there were 175 confirmed cases, with 238 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 September 17, 2023, the Phoenix Fire Department has responded to 2,224 calls for heat-related illness this summer. This call volume is 36% higher than last year's total at this time. The number of calls has dropped significantly from the summer peak—this week's call volume (40 calls) was the lowest one-week total since early June. Year-to-date, the highest concentration of heat-related calls for service has been the Central City/Downtown area (accounting for ~18% of calls). The second highest call density has been the I-17 corridor between Thomas Rd & Peoria Ave (~16% of calls), especially around 7th/19th Ave & Camelback/Indian School Rd.



*Note: areas on the map below in pink/orange/yellow indicate areas of higher concentration.

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. Heat Relief Network programs typically run through September 30.
 - The city bus serving as a temporary cooling center near the Human Services Campus concluded service on September 4. Construction trailers recently donated to the Human Services Campus are now providing heat relief outside of the Campus property.
- Heat Response and Mitigation / Volunteer Programs:
 - The We're Cool program has exceeded 7,700 engagements across 65 shifts with more than 1,800 hours of volunteer time contributed thus far.
 - The new downtown Heat Relief station located Cesar Chavez Plaza will remain operational through September.
 - The City of Phoenix has distributed 8,784 cases of water (~320,256 bottles) to 35 community partners. An additional 3,648 cases (~72,568) bottles) have been distributed to City departments participating in the Heat Relief Network.
- City departments reported no experienced or anticipated service impacts over the prior week and continue to promote available resources.
- The Office of Heat Response and Mitigation will be coordinating the annual evaluation of the city's heat response initiatives and inviting participation from city departments and external partners beginning in October.

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>
- Phoenix Environmental Quality and Sustainability Commission**
 Typically meets the second Thursday of each month at 3pm
 Meetings posted at <https://www.phoenix.gov/cityclerk/publicmeetings/notices>

5. YEAR-TO-DATE WEATHER CONDITIONS (AS OF SEPTEMBER 17)

HOT DAYS AND NIGHTS TRACKER

	Year to Date (2023)	Year to Date (2022)	Normal Year to Date
100°F days	111	104	101.8
110°F days	55 (new record)	22	20.8
85°F nights	59 (new record)	49	36.5

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

HEAT WARNING TRACKER

No Excessive Heat Warnings are in effect or anticipated at this time.

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
July	114.7 (new record)	107.5	106.5
August	109.5 (2 nd highest all-time)	103.5	105.1

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

CITY OF PHOENIX WEEKLY HEAT RESPONSE REPORT

SEPTEMBER 25, 2023

REVIEWING SEPTEMBER 18-24

Summary

- Phoenix is expected to add several more days to the 100°F tally this week, but conditions are not expected to reach warning thresholds.
- Significant cooling is expected over the weekend and into early next week.
- This will be the final weekly heat response report for 2023; a seasonal summary report will be prepared and distributed in the fall.

1. NATIONAL WEATHER SERVICE FORECAST

Temperatures are forecast to be above seasonal normals through the remainder of the work week as high pressure strengthens across the Southwest. However, no new daily records are expected to be set and heat warning thresholds are unlikely to be reached.

Tue Sep 26	Wed Sep 27	Thu Sep 28	Fri Sep 29	Sat Sep 30	Sun Oct 01
105	105	104	102	96	91
77	77	75	73	70	67
No risk.	Risk to those extremely sensitive to heat.	Risk to those sensitive to heat.	Risk to most people.	Risk to everyone.	
None	Minor	Moderate	Major	Extreme	

A significant cooldown is expected over the weekend and daily highs may struggle to reach 90°F by early next week.

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

2. HEAT-HEALTH DATA

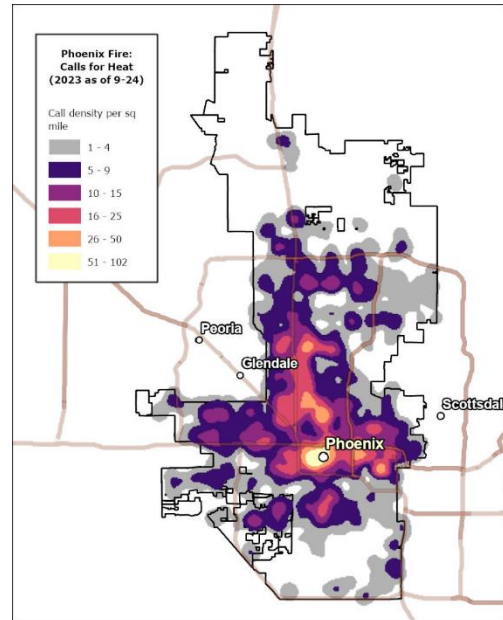
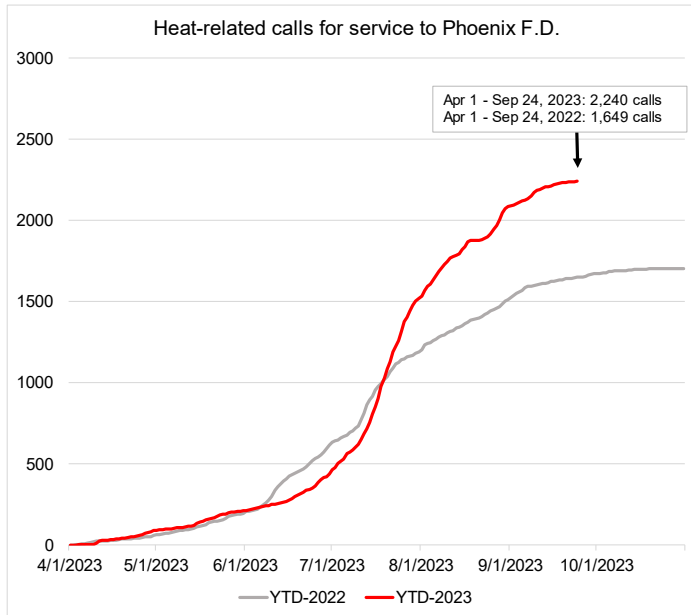
HEAT-RELATED MORTALITY AND MORBIDITY

The Maricopa County Department of Public Health has confirmed 289 heat-associated deaths countywide for 2023 as of September 16, with 262 additional cases under investigation. 211 of the confirmed cases were associated with outdoor exposure, and 127 were among people experiencing homelessness. At the same time last year, there were 209 confirmed cases, with 216 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 September 24, 2023, the Phoenix Fire Department has responded to 2,240 calls for heat-related illness this summer. This call volume is 36% higher than last year's total at this time. The number of calls has dropped significantly from the summer peak—this week's call volume (16 calls) was the lowest one-week total since early May. Year-to-date, the highest concentration of heat-related calls for service has been the Central City/Downtown area (accounting for ~18% of calls). The second highest call density has been the I-17 corridor between Thomas Rd & Peoria Ave (~16% of calls), especially around 7th/19th Ave & Camelback/Indian School Rd.



*Note: areas on the map below in pink/orange/yellow indicate areas of higher concentration.

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. Heat Relief Network programs typically run through September 30.
 - The city bus serving as a temporary cooling center near the Human Services Campus concluded service on September 4. Construction trailers recently donated to the Human Services Campus are now providing heat relief outside of the Campus property.
- Heat Response and Mitigation / Volunteer Programs:
 - The We're Cool program has exceeded 8,805 engagements across 82 shifts with more than 1,800 hours of volunteer time contributed thus far.
 - The new downtown Heat Relief station located Cesar Chavez Plaza will remain operational through September.
 - The City of Phoenix has distributed 9,984 cases of water (~397,056 bottles) to 35 community partners. An additional 3,468 cases (~97,056) bottles) have been distributed to City departments participating in the Heat Relief Network.
- City departments reported no experienced or anticipated service impacts over the prior week and continue to promote available resources.
- The Office of Heat Response and Mitigation will be coordinating the annual evaluation of the city's heat response initiatives and inviting participation from city departments and external partners beginning in October.

4. UPCOMING MEETINGS AND EVENTS OF NOTE

- Arizona Heat Resilience Work Group**
 Meets the first and third Thursday of each month at 3pm October–March
<https://asu.zoom.us/j/89813795064>
- Regional Cooling Center Work Group**
 Meets the third Tuesday of each month at 2pm
<https://asu.zoom.us/j/87075809286>
- Phoenix Environmental Quality and Sustainability Commission**
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5. YEAR-TO-DATE WEATHER CONDITIONS (AS OF SEPTEMBER 24)

HOT DAYS AND NIGHTS TRACKER

	Year to Date (2023)	Year to Date (2022)	Normal Year to Date
100°F days	115	108	105.4
110°F days	55 (new record)	22	20.8
85°F nights	59 (new record)	49	36.6

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

HEAT WARNING TRACKER

No Excessive Heat Warnings are in effect or anticipated at this time.

MONTHLY AVERAGE TEMPERATURES (COMPLETED MONTHS)

	Average High (2023)	Average High (2022)	Normal Average High
April	88.0	90.1	85.6
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