

CITY OF PHOENIX WEEKLY HEAT RESPONSE UPDATE

MONDAY, JUNE 6, 2022

REVIEWING MONDAY, MAY 30–SUNDAY, JUNE 5

Summary

After a short spell of below-average temperatures, **the first major heat event of summer 2022 will arrive this week.** Temperatures are likely to set year-to-date highs as early as Tuesday, and daily records may be threatened over the upcoming weekend. The National Weather Service has issued an Excessive Heat Watch beginning the morning of Wednesday, June 8. This Watch is very likely to be converted to an Excessive Heat Warning.

Heat impacts over the previous week held steady or declined from the week prior, likely due to the slightly lower temperatures. 24 of the City's 31 heat response programs and services are fully or partially operational, with one new program moved to fully operational status over the past week. Over the past week, the City has allocated more than 18,000 heat relief supplies to 18 different community organizations that serve vulnerable residents. Many supplies have already been collected by community organizations and distributed to the public.

I. RECENT AND YEAR-TO-DATE WEATHER CONDITIONS

The previous week brought temperatures very close to the seasonal normals, with lower high temperatures than had been observed over the previous two weeks. The average daily high temperature for warm season 2022 (April 1 to present) is now 0.35°F warmer than the same period in 2021 and 3.6°F warmer than the climatological normal for the same period.

	Daily High °F	Normal High °F	vs. Normal °F	Daily Low °F	Normal Low °F	vs. Normal °F
Sun 5-30	95	99.7	-4.7	73	73.6	-0.6
Mon 5-31	97	100.0	-3.0	72	73.9	-1.9
Tues 6-01	100	100.4	-0.4	72	74.2	-2.2
Weds 6-02	103	100.7	2.3	73	74.5	-1.5
Thurs 6-03	103	101.0	2.0	76	74.8	1.2
Fri 6-04	101	101.4	-0.4	76	75.1	0.9
Sat 6-05	102	101.7	0.3	78	75.4	2.6

100°F AND 110°F DAY TRACKER

	Year to Date	Normal Year to Date
100°F days	16	13.5
110°F days	0	0.7

HEAT WARNING TRACKER

No Excessive Heat Warnings have been issued year to date. Excessive Heat Warnings have been issued in the month of June every year since 2009. The first Excessive Heat Warning of 2021 was issued on June 12 and lasted for 9 days.

2. NATIONAL WEATHER SERVICE FORECAST

High and Very High Heat Risk are forecast beginning on Wednesday. Consequently, the National Weather Service has issued the first Excessive Heat Watch of the season for the Phoenix Metropolitan Area. The watch is in effect beginning 9am Wednesday, June 8 and is currently in effect through Monday, June 13. The Watch is very likely to be converted to an Excessive Heat Warning in an upcoming forecast. The highest temperatures of the season are in the forecast, with year to date highs anticipated as early as Tuesday and temperatures approaching 115°F over the weekend.

Mon	Tue	Wed	Thu	Fri	Sat	Sun
105	107	109	110	111	113	113
	81	82	84	85	87	86

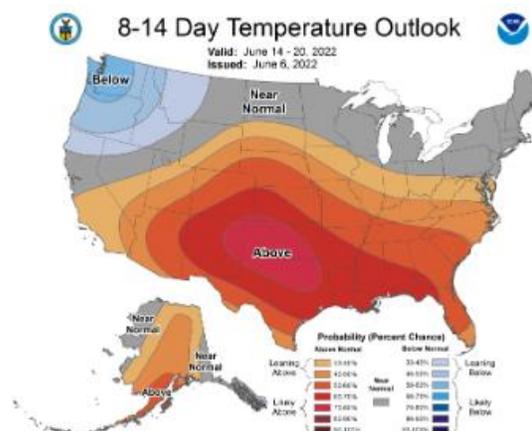
No risk.	Risk to those extremely sensitive to heat.	Risk to those sensitive to heat.	Risk to most people.	Risk to everyone.
None	Low	Moderate	High	Very High

The following week (June 14–June 20) remains favorable for above-average conditions, with a high chance of daily maximum temperatures consistently reaching or exceeding 110°F.

Above: 54%
Near: 33%
Below: 13%

Probability of the average temperature during next week being above, near, or below normal.

[Get more from the NOAA/Climate Prediction Center](https://www.noaa.gov/climate-prediction-center)



3. HEAT-HEALTH DATA

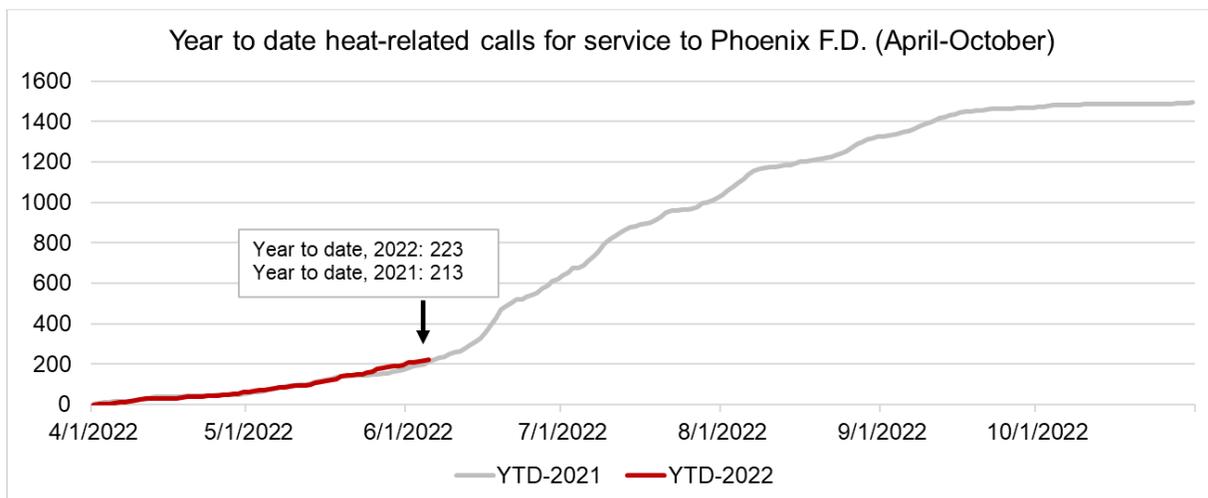
HEAT-RELATED MORTALITY AND MORBIDITY

The Maricopa County Department of Public Health continues to report one confirmed heat-associated death for 2022. As of their May 28 report, there are 21 additional cases under investigation, an addition of 9 cases from the prior week. MCDPH heat-health reports are available online: <https://www.maricopa.gov/1858/Heat-Surveillance>.

HEAT-RELATED CALLS FOR SERVICE TO PHOENIX FIRE DEPARTMENT

The Phoenix Fire Department responded to 31 calls for service identified by the dispatcher to be related to heat over the previous week. This represented a decrease of 13 cases (30%) below the week prior. Advanced life support systems were deployed for 11 of the 31 calls. In 2021, the same 7-day period had 52 calls for service related to heat, with considerably higher temperatures. Wednesday, June 1 (high temperature 103°F), had 12 heat-related calls for service, tying the high daily call volume year to date. June 19 had the most heat-related calls last year with 43, with a high temperature of 116°F. (Note: heat dispatch call data typically do not reflect mountain rescues related to overheating and/or dehydration).

Year to date, heat-related calls for service to the Phoenix Fire Department are now running approximately 5% higher than 2021.



4. COMMUNITY SEARCH DATA

PHOENIX 3-1-1

There were 21 resident inquires made through Phoenix 3-1-1 for the period May 31–June 3 that were related to summer heat, an increase of 7 calls from the week prior. While the majority of calls continued to be related to public and private swimming pools, other calls helped connect residents to the City’s landlord-tenant and home repair programs, arrange for removal of a downed tree on a public street, and to replace a sun-damaged trash container. One heat-related media request also came to the 3-1-1 line.

ARIZONA 2-1-1

Requests for electrical utility assistance fielded by Arizona 2-1-1 were slightly lower than the previous week, with 170 calls from Maricopa County.

GOOGLE SEARCH

Google staff members are preparing a prototype customized dashboard for monitoring heat-health impacts and search queries related to heat for the City of Phoenix that will be tested and evaluated this summer. Publicly available Google Trends data for Arizona continue show that search inquiries related to heat exhaustion, heat stroke, swimming pools, and air conditioners held steady compared to the week prior. There remains no clear trend in searches related to cooling centers or heat warnings.

5. STATUS OF HEAT RESPONSE PROGRAMS AND SERVICES

Program status indicated by color in status column. Updates are provided in the right-hand column as relevant to program planning and implementation.

	Fully operational (20 programs)
	Partially operational (4 programs)
	Planning and preparation (7 programs)
	No action to date (0 programs)
	No information available this week (0 programs)

City of Phoenix Heat Response Programs and Services – Summer 2022				
Initiative	Target population	Lead depts.	Status	Updates
FOCUS AREA 1. Situational awareness at City Hall and real-time response				
1.1 First responder services	ALL	FIRE, PD		Normal operations.
1.2 Reciprocal relationship with 3-1-1 and 2-1-1	ALL	OHRM, 311		More search terms and customized analysis will be added in future reports.
1.3 Real-time monitoring of weather and health data with AZ Heat Resilience Work Group	ALL	OHRM		Normal operations. The work group meets biweekly on Thursday afternoons during the summer with participation from multiple city departments.
1.4 Enhancing heat response resources for first responders	ALL	OHRM, PD		Planning continues with OHRM and PD staff.
1.5 Pilot program with Google search data for public health	ALL	OHRM		Pilot dashboard in development. Additional planning conversations forthcoming.
1.6 Weekly status reports	CITY DEPTS	OHRM		Fifth report distributed June 6.
FOCUS AREA 2. Public engagement, communications, and outreach				
2.1 Multi-platform Heat Safety Messaging	ALL	COMMS, OHRM		Summer safety messaging has transitioned to full operational mode. #PHXSummer will be a common tag across heat and monsoon safety posts. New content produced by the Communication team will be added to relevant channels over the coming weeks. City accounts have already been actively messaging for the upcoming heat event.
2.2 We're Cool Volunteer Program	UNSHELTERED, HIKERS	VOL, OHRM, FIRE		17 outreach shifts have been completed, with 12 focusing on street outreach and 5 at City trailheads. More than 800 contacts have been made through this program with nearly 1000 water bottles distributed. Additional supplies distributed include hats, sunscreen, cooling center maps, heat safety cards, cooling towels, misters, and umbrellas. Staff from OHRM, HSD, VOL, TRANSIT and FIRE, and volunteers from CERT have participated. Several volunteers were trained over the past two weeks and additional recruitment and onboarding is ongoing.
2.3 Cool Callers Volunteer Program	LIVING ALONE, LIMITED COOLING	VOL, OHRM		Volunteer training is underway. Telephones for volunteer use have been secured and caller protocol are being developed. Public enrollment is anticipated to open this week.
2.4 Let's Talk Heat Booklet	ALL	A&C		Booklets are being printed and are expected to ready for distribution at community events soon. A digital version is available on the City website (link available below).
2.5 Investments in Cooling Center Signage	ALL	OHRM, VOL		New signs for cooling centers are being distributed to City facilities and community partners through multiple channels, including the Cooling Center Response Network platform.
2.6 **NEW** Heat Relief Resource Distribution	ALL	OHRM, VOL		Distribution of heat relief supplies to community organizations continues this week. Nearly 20 organizations have been allocated supplies with more than 18,000 individual items committed.
FOCUS AREA 3. Publicly accessible cool space and drinking water				
3.1 Supporting the regional Heat Relief Network	ALL	OHRM, LIBRARY,		56 City facilities are participating as cooling centers or hydration stations. Staff from multiple departments are

		PARKS, HSD		supporting Heat Relief Network participation, including managing water distribution.
3.2 Reusable water bottle pilot program	ALL	OHRM, PUBLIC WORKS		Staff are continuing to distribute bottles from an initial inventory of 5,000 reusable aluminum water bottles through the We're Cool Program. A qualifying bid for a larger order has been secured through an RFQ.
3.3 Shade and shelter enhancements at and near the Human Services Campus	UNSHELTERED	HSD		Planned improvements for 2022 have largely been implemented. Staff continue to explore opportunities to improve cooling and water access in this area.
3.4 New shelter at 28 th St. and Washington St.	UNSHELTERED	HSD		The shelter is continuing to onboard new clients.
3.5 Provision of portable water tanks	ALL	WATER, OHRM		Staff continue to explore viable options and possible funding sources.
FOCUS AREA 4. Supporting cool and safe home environments				
4.1 Cooling ordinance and landlord tenant program	RENTERS	NSD, HSD		Normal operations.
4.2 Housing repair programs and weatherization	LIMITED HOME COOLING	NSD		Normal operations. Expansion of the home weatherization program is being considered through ARPA funding.
4.3 Emergency utility assistance	LOW INCOME	HSD		Normal operations.
4.4 Suspension of water shutoffs	LOW INCOME	WATER		Normal operations.
4.5 Navigating utility disconnection rules	LOW INCOME	OHRM, COMMS		Web content is being prepared to disseminate through City platforms and channels. OHRM and 311 staff have reviewed existing rules to ensure accurate communication to residents.
FOCUS AREA 5. Supporting cool and safe mobility and recreation				
5.1 Take a Hike, Do it Right	HIKERS	PARKS		Normal operations. Closure of Piastewa Peak and Camelback summit trailheads during 11am-5pm is anticipated for several days during the upcoming heat event.
5.2 Adding shade structures at transit stops	TRANSIT USERS	TRANSIT		Normal operations.
5.3 Valley Metro real-time transit tracking	TRANSIT USERS	TRANSIT		Normal operations.
5.4 ARPA-funded transit passes	NON-PROFIT ORGS AND THEIR CLIENTS	TRANSIT		Normal operations.
5.5 City pools	ALL	PARKS		City pools have opened for summer 2022.
5.6 SunBlock Umbrella Distribution	ALL	A&C		Umbrellas are being manufactured using designs sourced from a public art competition. Delivery is anticipated in June.
FOCUS AREA 6. Supporting cool and safe workplaces and schools				
6.1 City employee heat safety efforts	CITY EMPLOYEES	HR SAFETY		Normal operations.
6.2 Promoting ADHS School Heat Safety Toolkit	SCHOOLS	OHRM, COMMS		Messaging content is being prepared to share throughout the summer.
6.3 Reducing and reporting workplace heat safety concerns	EMPLOYERS, EMPLOYEES	OHRM, COMMS, HR SAFETY		Messaging content is being prepared to share throughout the summer, staff are planning cross-departmental meeting to discuss engagement with state agencies including ADHS and ADOSH.

Department key: OHRM – Office of Heat Response and Mitigation; PD – Police; COMMS – Communications; VOL – Volunteer Programs; A&C – Arts and Culture; HSD – Human Services Department; NSD – Neighborhood Services Department.

6. HEAT RESPONSE PROGRAM HIGHLIGHT

Community Heat Relief Supplies: The City of Phoenix is providing heat relief supplies this summer to community organizations that serve vulnerable populations. This effort is supported by staff from Finance, Heat Response and Mitigation, and Volunteer Programs. To date, 18 non-profit and faith-based organizations have been granted supplies, including Andre House, Community Bridges, Arizona Faith Network, and Street Medicine Phoenix. These 18 organizations have been allocated more than 18,750 items for the public and another 103 items to support their operations. Community organizations can request supplies at <https://bit.ly/phxheatrelief>.



7. REGIONAL AND NATIONAL HIGHLIGHT

The Human Services Campus organizes a ThirstAid water drive on the first Saturday of each month. Water and hygiene item donations are accepted from 9:00 a.m. to noon on collection days through the end of September. The Human Services Campus distributes approximately 2,000 water bottles daily to people experiencing homelessness on and in the vicinity of the Campus. The Human Services Campus is a nonprofit agency that operates a 13-acre campus home to 16 nonprofit organizations serving people experiencing homelessness.



8. HEAT SAFETY – DID YOU KNOW?

Young children are among the groups more vulnerable to heat illness, including heat stroke. They are more physiologically susceptible than many adults because of their higher surface area to body mass ratio, among other factors. As result, children can quickly dehydrate. Signs of dehydration in children include reduced physical activity, crying without tears, and dry mouth. Learn more about children’s health and heat here: <https://www.epa.gov/children/protecting-childrens-health-during-and-after-natural-disasters-extreme-heat>.

KEY WEBSITES

[City of Phoenix Office of Heat Response and Mitigation](#)
[City of Phoenix Let’s Talk Heat Booklet](#)
[City of Phoenix Heat Relief Supply Request Form for Community Organizations](#)
[National Weather Service Phoenix Forecast Office Heat Page](#)
[Maricopa Association of Governments Heat Relief Network](#)
[Maricopa County Department of Public Health Heat-Health Surveillance Program](#)
[Arizona Department of Health Services Climate and Health Program](#)

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