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November 17, 2023

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TO: Each Supervisor

FROM: Barbara Ferrer, Ph.D., M.P.H., M.Ed.  
Director

**SUBJECT: ADDRESSING EXTREME HEAT IN LOS ANGELES COUNTY THROUGH STATE AND FEDERAL PARTNERSHIPS (ITEM #6, BOARD AGENDA OF JULY 25, 2023)**

On July 25, 2023, your Board adopted the motion, titled “Addressing Extreme Heat in Los Angeles County Through State and Federal Partnerships and Developing a County Extreme Heat Action Plan Framework,” directing the Department of Public Health (DPH), in collaboration with the Chief Sustainability Office (CSO), the Office of Emergency Management (OEM), the Department of Health Services (DHS), the Internal Services Department (ISD), and Countywide Communications, to engage the State’s Office of Community Partnerships and Strategic Communications and the U.S. Health and Human Services’ (HHS) Office of Climate Change and Health Equity on their respective heat awareness campaigns to maximize outreach to vulnerable communities in Los Angeles County.

This report describes the process by which DPH collaborated with the Departments named above to engage with the State and HHS on their respective heat awareness campaigns, and recommendations for maximizing their outreach in vulnerable communities in Los Angeles County.

**Engagement Update**

State Heat Campaign: Overview

- On July 11, 2023, in response to California's more frequent and severe heat waves, Governor Newsom launched [Heat Ready CA](#), a \$20 million statewide awareness, education, and outreach campaign, to protect California communities

from extreme heat through directly-funded service providers throughout the state.

- Heat Ready CA is led by the Governor's newly established Office of Community Partnerships and Strategic Communications. The campaign has a multicultural approach using state-contracted local community leaders, community-based organizations (CBOs) and ethnic media to provide culturally tailored messaging through integrated outreach, advertising, social media, and influencer engagement in vulnerable communities.
- The campaign is part of the Governor's [Extreme Heat Action Plan](#) to guide the state's response to heatwaves, ensuring California is reaching vulnerable communities, protecting frontline workers, and helping cities stand up cooling centers. The campaign is slated to run each heat season through October of 2026. It focuses on heat-sensitive groups at highest risk, including those 65 years of age or older, workers, and individuals with chronic illness, disabilities, or those who are pregnant.
- A cornerstone of the campaign is the engagement of 121 CBOs under contract directly with the state to form the trusted messenger network to conduct outreach in over 30 languages in each California county. The CBOs conduct door-to-door canvassing, phone banking, town halls, and other outreach efforts to help the most vulnerable communities better prepare for extreme heat.
- The campaign's website is available in English at [HeatReadyCA.com](#) and in Spanish at [CuidateDelCalorCA.com](#). It offers tips and resources for Californians, including people most vulnerable to heat-related health concerns, such as older adults, people with disabilities and chronic conditions, pregnant people, young children, residents in urban areas, and those without easy access to air conditioning or natural shade.
- The campaign also relies on a [toolkit](#) with branded graphics, co-branded talking points and social media messaging (Facebook, X, Instagram), print-ready door hangers, fact sheets, flyers, and newsletters in English and Spanish (and soon in 10 Asian languages) on topics such as *Rising Temps Mean Rising Risks*, *Stay Hydrated Tips*, *Who's Most at Risk of Heat-Related Illness?*, *Know the Extreme Heat Health Hazards*, *Tips to Stay Cooler and Safer this Summer*, *Certain Family Members Face Greater Risk*, *Dry Heat is Getting Drier and Hotter*, *Heat Stroke Can Be Fast and Fatal*, *Check-in Tips*, *Extreme Heat Tips At A Glance*, *Heat Illness Tips*, and *Know the Extreme Heat Health Hazards*.

#### State Heat Campaign: Coordination

- DPH and CSO met with principals from the State's Office of Community Partnerships and Strategic Communications on September 22, 2023, to discuss campaign coverage in Los Angeles County, the status of the current campaign, and future plans. The State shared that they contracted directly with CBOs in LA County and ethnic media in the Southern California media market, assigned two project officers to oversee implementation efforts, and conducted bi-weekly awardee meetings and monthly regional meetings. They stated they would be rebidding and issuing new contracts in March 2024 for the next two-year period.
- DPH and CSO had a follow-up meeting with the State on October 26, 2023, and requested that: the State provide additional information, including a list of currently contracted ethnic media and CBOs in LA County and Southern California; share program plans and progress reports; provide State plans for rebidding; include LA County in the proposal

review process and future bi-weekly awardee and monthly regional meetings; and invite LA County to HeatReadyCA campaign advisory or planning committees to advise future efforts. The State's response to these requests is pending. DPH will continue follow-up to maintain engagement.

- DPH met with Departmental representatives from CSO, OEM, DHS, ISD, and Countywide Communications on November 3, 2023, to share campaign details and discuss possible ways to maximize future coverage in high-risk areas. DPH also had initial discussions on the possible adoption of campaign materials in departmental outreach efforts to amplify and augment the campaign for upcoming heat seasons. DPH will continue follow up on these efforts.

#### Federal Heat Campaigns/Related Efforts: Overview

- The White House established a new climate-oriented office that produces the [Climate and Health Outlook](#) to help agencies and the public protect individual and community health for anticipated climate events, supported by the American Rescue Plan. The Administration also launched [HEAT.gov](#) to provide clear and accessible information to protect communities from extreme heat.
- The Federal Emergency Management Agency (FEMA) conducted the [#SummerReady](#) Campaign throughout summer 2023 to build awareness of the hazards that communities face during the summer months. In May 2023, FEMA hosted the first annual federal heat summit in Chicago, where representatives of the 10 FEMA regions and other federal partners discussed the potential impacts of extreme heat and how to reduce them beforehand. The agency is planning to host future regional events to engage local stakeholders on extreme heat to promote cross-sector, cross-government coordination and message alignment.
- The Environmental Protection Agency's (EPA) launched the [Let's Talk About Heat Challenge](#), co-sponsored by the National Oceanic and Atmospheric Administration (NOAA), FEMA, HHS, Atlantic Council, Georgetown Climate Center, Groundwork USA, and the National Association of County and City Health Officials (NACCHO). Each of the awardees was provided \$12,000 to engage underserved and overburdened communities to implement innovative communication strategies to help communities protect themselves against extreme heat risks and offer ways to keep safe during the hottest days. The Challenge funded 10 awardees across the country in Ventura County, CA; Phoenix, AZ; Crook County, OR; Volusia, Orange, Lake, Indian River, Collier, and Miami-Dade County, FL; Northwest states of AK, WA, OR, and ID; Seattle-King County and University of Washington in Seattle, WA; Philadelphia, PA; and New York City, NY.
- In June 2023, NOAA announced a \$60 million competitive funding opportunity to build a [Climate-Ready Workforce](#), including heat health outreach specialists and climate equity officers, to tackle the climate crisis and boost local resilience, especially underserved communities. NOAA anticipates making 10-20 awards in competitive funding at amounts ranging from \$500,000 - \$10 million each, for a 2 – 4 year period beginning no earlier than August 1, 2024. The opportunity will be open to state, tribal, territorial, and local governments, institutions of higher education, and non-profit organizations in coastal states or territories.

## Next Steps

1. Over the next several months, DPH, CSO, OEM, DHS, ISD, and Countywide Communications will implement the following:
  - Continue efforts to engage with the CA State Office of Community Partnerships and Strategic Communications' HeatReadyCA principals to gather requested information on the continuing campaign planned within LA County for the next project period that begins May 1, 2024, and ends October 31, 2026.
  - Continue to check HHS' Office of Climate Change and Health Equity's website and other government agency sites for any planned heat awareness events or campaigns to identify opportunities to maximize federal heat awareness, communications, outreach, and related activities to reach high-risk persons and communities in LA County.
2. In support of CSO's final recommendation offered in their "Report Back on Developing a County Extreme Heat Action Framework," DPH provided the following recommendations:
  - Prepare for the 2024 heat season with interdepartmental participation from OEM, CSO, DPH, DHS, ISD, Countywide Communications, Aging & Disabilities, Parks and Recreation, Public Social Services, Public Works, Fire, Library, Medical Examiner, Sheriff's, Los Angeles Homeless Services Authority, and others as directed by your Board.
  - As part of heat season preparedness for 2024, convene Departmental representatives from CSO, OEM, DPH, DHS, ISD, Countywide Communications, and others to discuss possible low cost ways to collaborate with the State's HeatReadyCA campaign to maximize outreach in vulnerable communities, such as sending heat safety communications to high-risk individuals through phone/text/geofenced messaging, working with County Departments with communication channels, systems, contractors and/or field staff or who can reach individuals directly, such as community health workers, in-home supportive services, etc.

If you have any questions or would like additional information, please let me know.

BF:NQ:SF:DB

c: Chief Sustainability Office  
Office of Emergency Management  
Department of Health Services  
Internal Services Department  
Countywide Communications

EXECUTIVE OFFICE



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November 27, 2023

TO: Supervisor Janice Hahn, Chair  
Supervisor Hilda L. Solis  
Supervisor Holly J. Mitchell  
Supervisor Lindsey P. Horvath  
Supervisor Kathryn Barger

FROM: Celia Zavala   
Executive Officer

**REPORT BACK ON DEVELOPING A COUNTY EXTREME HEAT ACTION  
FRAMEWORK**

On July 25, 2023, the Board of Supervisors (Board) adopted a motion, “Addressing Extreme Heat in Los Angeles County Through State and Federal Partnerships and Developing a County Extreme Heat Action Plan Framework” (Motion), directing the Chief Sustainability Office (CSO), in collaboration with the Department of Public Health (DPH), Office of Emergency Management (OEM), Department of Health Services (DHS), Internal Services Department (ISD), Chief Executive Office (CEO), Department of Parks and Recreation (DPR), Department of Public Works (DPW), LA County Development Authority (LACDA), and Fire Department (LACoFD), to report back in 120 days with a framework for a County-specific Heat Action Plan that includes a summary of existing initiatives, gaps, and opportunities to address those gaps. The Board indicated that the framework should include measures such as public warning systems, improvements to the network of cooling centers, and heat-resilient infrastructure planning.

The report below describes the process by which CSO collaborated with the Departments named above to develop a proposed Heat Action Plan framework; outlines proposed guiding principles, structure, scope, and next steps for developing a Heat Action Plan; and includes an attachment summarizing relevant existing County initiatives.

As noted in the motion, the County has taken important measures to mitigate climate change as a root cause of rising temperatures and increasingly severe heatwaves (summarized in the [Climate Action Plan](#)). Even with these measures in place, however,

temperatures will continue to rise for decades -- threatening public health, natural resources, infrastructure, and the economy. Our Heat Action Plan must include a mix of strategies that can immediately address recurrent health impacts and strategies that can help prevent and lessen long-term risks.

### **Process for developing the proposed framework**

The CSO took the steps below to develop the proposed framework:

- 1) Reviewed existing and anticipated impacts of rising temperatures as detailed in the County's Climate Vulnerability Assessment, which identified current and future high-risk populations and areas vulnerable to extreme heat over the next two decades, and where the County committed to using the findings to inform a range of County-led climate adaptation, emergency preparedness, community resilience, and other efforts;
- 2) Reviewed other County reports, including the 2022 and 2023 Management Appraisal and Performance Plan (MAPP) reports on MAPP Goal 5.0 (Sustainability – Impacts of Extreme Heat);
- 3) Reviewed heat action plans developed by other public agencies, including the [California Extreme Heat Action Plan](#), the [Miami-Dade County Heat Action Plan](#), the [Boston Heat Resilience Plan](#) and the [Washington DC Heat Adaptation Plan](#), and heat emergency response planning, including the [City of Phoenix 2023 Heat Response Plan](#) and the [Washington State Saving Lives from Extreme Heat Plan](#);
- 4) Reviewed guidance on heat action planning, including the California Department of Public Health's newly-released [Interim Guide for Health Equity Centered Local Heat Planning](#), the American Planning Association's [Planning for Urban Heat Resilience](#) report, the [Arscht-Rock Heat Action Platform](#), and the World Health Organization's [Heat-Health Action Plans Guidance](#); and
- 5) Convened County Departments named in the motion to discuss the potential framework of a County-specific Heat Action Plan and gathered written information, input, and feedback from the Departments named in the motion for the report back.

The CSO did not engage external organizations or community members in this initial process; as noted below, community engagement will be fundamental to the development of a full plan.

## **Proposed framework**

The CSO proposes the framework below as a starting place for discussion with County Departments, city and government partners, community members, academia, and other experts. The planning process will serve as an opportunity to revise the framework and build it out based on insights gained from additional contributors.

### Guiding principles

The CSO proposes to center health, equity, and justice throughout the plan, and to address the inequitable distribution of heat impacts among our communities. It will use an evidence-informed approach and will specifically take steps to advance:

- Procedural equity – we will use an inclusive methodology for developing the plan that uplifts the perspectives and priorities of groups who have been historically excluded from decision-making and seek to compensate people with lived expertise for their contributions to the process.
- Distributional equity – the plan will use data, evidenced-based solutions, and promising innovations to address the inequitable distribution of extreme heat impacts, such as disparate heat-related health problems among different communities, and develop strategies that maximize benefits for the most burdened groups, including people who are at high risk of health impacts such as the unhoused population, older adults, exposed workers, and formerly redlined/highly paved communities of color.
- Structural equity – the plan will consider potential secondary and cross-sector impacts of heat resilience interventions (such as the creation of new jobs/ economic opportunities, or the risk of community investment leading to displacement) and will prioritize solutions that maximize benefits for burdened groups and mitigate drawbacks.
- Transgenerational equity – the plan will balance the County’s need to address present-day risks with the County’s commitment to making the region healthy and safe for generations to come. The plan will also focus on lasting solutions and consider the long-term sustainability of proposed actions.

### Organizing Structure

The content of the plan will be as expansive as the State’s Extreme Heat Action Plan, covering strategies across many sectors; however, CSO proposes organizing a



structure closer to that of other local jurisdictions, in order to reflect the centrality of local facilities and building codes to advancing local heat resilience. All local heat plans reviewed by CSO included a mix of actions addressing the chronic burden of heat islands and slowly rising average temperatures alongside the urgent threat of increasingly severe heatwaves and the need for improved heat response activities.

We propose to organize the plan by the following goals; collectively, these goals will address the many threats posed by extreme heat as detailed in the County's Climate Vulnerability Assessment, including the racially inequitable distribution of risks to people's health and well-being. We have listed existing County initiatives that could support the advancement of each goal. A more detailed, but non-exhaustive, summary of relevant County initiatives is attached.

#### Goal 1: Cool and protect the outdoor realm

- Goal Description: Prevent harm to County residents, built and natural resources, domestic animals and wildlife from excess outdoor heat and the heat island effect.
- Potential Actions: implement urban greening projects and use drought-tolerant and native vegetation, replace pavement with permeable surfaces, install shade structures and cool surfaces, and reduce waste heat from vehicles and buildings.
- Potential Levers for Change: heat-resilient infrastructure/capital project investment (including natural infrastructure such as tree canopy), land use regulation, technical assistance or incentives for cities and private landowners.
- Relevant Existing County Initiatives and Plans:
  - Multiple Departments – Urban Forest Management Plan and Implementation / Tree Planting Projects
  - Fire Department – Reforestation Nurseries, Tree Protection Policy Enforcement
  - Office of Emergency Management – Local Hazard Mitigation Plan,
  - Parks & Recreation – Board report on Cooling Strategies in Parks, Park Needs Assessment (PNA), PNA+, and OurParks Sustainability Plan
  - Public Works – Climate Ready Communities, Bus Shelter Replacement Project, Tree Removal & Replacement Policy, Cool Roof Ordinance
  - Regional Planning – General Plan Safety Element

## Goal 2: Create heat-resilient indoor spaces

- Goal Description: Promote cool and safe design and operations for the buildings where County residents live, work, learn, and connect.
- Potential Actions: establish cooling requirements or assistance for buildings, expand energy programs and services, help building occupants stay safe by providing resources (e.g., free solar film or utility assistance) or information (e.g., cooling tips and know-your-rights).
- Potential Levers for Change: building upgrade investments, building code and regulation, technical assistance and resources for private building owners, education, and outreach to building occupants.
- Relevant Existing County Initiatives and Plans:
  - Multiple Departments: Proactive HVAC maintenance and other strategies to increase resilience at County owned or leased buildings
  - CSO – Technical Assistance for school cooling
  - CSO & Public Works – Building Decarbonization Strategies, Cool Roof Ordinance
  - Internal Services Department– Microgrid planning, HVAC and Cool Roof Maintenance services for County Departments, Direct Install Program, and other energy services for homes & community buildings
  - LA County Development Authority – Shade Structure & Cooling Installation Project

## Goal 3: Expand heat safety communications, resources, and emergency actions

- Goal Description: Improve preparedness for, and emergency response to, extreme heat and heatwaves, especially for residents, workers, and communities that are most impacted and whose health has been compromised.
- Potential Actions: support community resilience centers, strengthen public data and communications (e.g., develop a data dashboard, give names to heatwaves to increase public recognition), improve access to public drinking water and recreational waters, develop new heat response services, improve access to government-run cooling centers and/or community resilience centers, support enforcement of existing policies in workplaces regarding heat and the Cal/OSHA standards to ensure employers are implementing requirements, and prepare for potential power outages.

- Potential Levers for Change: communications and engagement including public health advisories, development and regular review of extreme heat procedures, coordination with utilities on grid resiliency efforts, new partnerships and programs, development of new regulations such as public health directives, and tracking of heat health outcomes.
- Relevant Existing County Initiatives and Plans:
  - Multiple Departments – Heat Illness Prevention policies and procedures for County workers, Extreme Heat Operational Plans with schedule and service adjustments, Cooling Center operations
  - Fire Department – CERT Training
  - Internal Services – Emergency HVAC Repairs
  - Office of Emergency Management (and contributing Departments/partners) – Emergency Operations Plan/heat protocols, including coordination strategies with city emergency managers/response agencies
  - Public Health – Automated Disease Surveillance Systems, School Heat Safety Toolkit, Community Health Councils, Public Advisories, directives, and other extreme heat communications

#### Gaps and Opportunities to be addressed

In general, there is a need for more proactive planning for heat that would lead to lasting resilience. Notable gaps among the existing County initiatives and plans listed above include:

- lack of formal commitments or targets for heat resilience strategies within many of the existing County initiatives and plans listed above;
- absence of key strategies such as heat response partnerships with community resilience centers;
- limited heat-specific programming or engagement other than immediately preceding and during extreme events;
- lack of comprehensive heat morbidity and mortality data; and
- lack of a method for monitoring implementation and effectiveness of heat related plans and resilience initiatives.

Furthermore, most of the relevant initiatives listed above lack sufficient resources for the scale at which they must be implemented to address rapidly rising temperatures. In

many cases, the County does not even have an estimate of the resources needed to achieve desired heat resilience benefits; for example, we do not yet know how much it would cost to complete LACDA's Cooling Installation project aimed at installing air conditioning in 100 percent of LACDA-operated residential units, how much of that air conditioning might affect utility bills, or how much utility bill increases could be offset by complementary passive cooling strategies such as building improvements.

CSO proposes to leverage the process of developing a County Heat Action Plan as an opportunity to formalize commitments, set targets, develop partnerships, and identify and begin securing resources and data needed for implementation, monitoring, and assessment of the above goals. The planning process will require funding for overall project management support; expert guidance to identify relevant data and develop long-term cost estimates and financing strategies; and engagement with communities and implementation partners. The State government, cities, community organizations, and businesses will be key implementation partners, and their involvement in the development of the plan will be crucial.

#### Details for Implementation

The CSO proposes that the final Heat Action Plan would operationalize commitments by:

- At the Goal-level, identifying:
  - Long-term financing needs and strategies
  - Relevant data to identify inequities and track progress
- For each action, listing:
  - lead and supporting Departments
  - key partners and their roles (e.g., cities as partners in advancing regulatory strategies for incorporated areas, businesses as partners in implementing voluntary and regulatory strategies on private lands and facilities)
  - a timeline for completion (e.g., noting whether it can be accomplished in the next 2-5 years or is a long-term or ongoing action)
- Identifying short-term implementation priorities within each goal and the specific resources that can be leveraged to complete them (e.g., County funds, partnerships, legislation, or grant opportunities)

The CSO proposes to evaluate progress on a yearly basis and review/update commitments every five years.

## **Next Steps**

Over the next several months, the CSO will prepare for undertaking a comprehensive planning process by:

- Engaging with Departments who were not involved with this report but may have key roles for the Heat Action Plan, such as the Department of Economic Opportunity and the Department of Animal Care and Control.
- Exploring opportunities to incorporate arts-based approaches for engagement and heat resilience strategies.
- Having preliminary conversations with prospective partners, including a sample of cities and community organizations for early input on the framework, engagement strategies, and resources that would support their participation in development/implementation of the plan.
- Identifying what, if any, analyses would be valuable to complete during the planning process to support plan implementation, monitoring, and assessment.
- Drafting a scope of work for consultant support with the planning process.
- Assessing funding needs and sources for plan development and pursuing relevant grant opportunities.

Additionally, we recommend that the County take low-cost actions to prepare for the next heat season while the Heat Action Plan is still in development, since it will not be completed before Spring 2024. Specifically, County Departments including OEM, CSO, DHS, DPH, ISD, Countywide Communications, DPR, DPW, ISD, LA County Aging & Disabilities Department, LA County Department of Public Social Services, LACoFD, LA County Sheriff, Los Angeles Homeless Services Authority, LA County Library, and LA County Medical Examiner can begin to build out communications strategies in alignment/partnership with new State and local initiatives such as the HeatReadyCA and HeatRelief4LA campaigns and to update/formalize protocols and plans for extreme heat response in alignment with new regulations and guidelines such as AB-781 (emergency shelters for persons with pets), AB-1638 (linguistically inclusive emergency response services), and CalOES Local Government Guidance for Extreme Temperatures.

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Should you have any questions concerning this matter, please contact Rita Kampalath, Chief Sustainability Officer, at (323) 459-3939 or [rkampalath@csso.lacounty.gov](mailto:rkampalath@csso.lacounty.gov).

CZ:RK:AF:jg

Attachment

c: County Counsel  
Chief Executive Office  
Fire Department  
Health Services  
Internal Services  
LA County Development Authority  
Office of Emergency Management  
Parks and Recreation  
Public Health  
Public Works

**ATTACHMENT**

Department(s)	Existing County Initiative	Relevance to Heat Action Plan
Multiple	Heat Event Protocol including cooling centers	Relevant to Proposed Goal 3: OEM coordinates external heat event response, which currently consists primarily of communications (outreach to people experiencing homelessness and homebound social services clients, consolidation & posting of information about County & city cooling centers) and the opening of County cooling centers (run by the Departments of Parks and Recreation, Libraries, Aging, and/or Public Works).
Multiple	Heat Illness Prevention Policy	Relevant to Proposed Goal 3: Many departments have internal plans and procedures to protect County workers during extreme heat.
Multiple	Urban Forest Management Plan & Implementation	Relevant to Proposed Goal 1: This project is identifying strategies for managing our urban trees to improve shade equity and support a resilient urban forest and has received \$8m for implementation/5-year tree planting and establishment, maintenance, workforce development, and engagement.
Chief Sustainability Office	Technical Assistance for School Cooling	Relevant to Proposed Goals 1 and 2: CSO is developing technical assistance resources for heat-vulnerable schools to support them in making campus cooling improvements (both indoor and outdoor).
Fire Department	Forestry Division reforestation nurseries	Relevant to Proposed Goal 1: This program can support efforts to improve the tree canopy by offering free seedling trees for residents at the Forestry Division nurseries. The Foresters grow various trees and plants that are native to Los Angeles County.
Fire Department	Forestry Division enforcement of tree protection ordinances, including the Oak Tree Protection Code	Relevant to Proposed Goal 1: Tree protection ordinances maintain and enhance the general health, safety, and welfare of County residents by preserving tree shade, assisting in counteracting air pollution, and minimizing soil erosion and other related environmental damage.
Fire Department	CERT Training	Relevant to Proposed Goal 3: The Fire Department provides Community Emergency Response Team (CERT) training for residents in English and Spanish. The training provides residents with the skills and tools necessary to take care of themselves, their families, neighbors, and coworkers during an emergency or under adverse conditions.
Internal Services	Solar Microgrid Installation	Relevant to Proposed Goal 2: ISD develops plans and pursues funding for solar microgrids at County and community facilities, is prioritizing cooling centers in underserved communities as a potential site and is currently supporting procurement of microgrid system installation at the Bassett and Avocado Heights Advanced Energy Community.
Internal Services	Energy efficiency improvements at County workplaces	Relevant to Proposed Goal 2: ISD supports Departments in maintaining efficient HVAC Systems, installing cool roofing material, and taking other energy efficiency actions to reduce energy needs and ensure heat safety.

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Internal Services	Emergency Services	Relevant to Proposed Goal 3: ISD has established contracts to make emergency HVAC repairs at County facilities, which is often necessary during extreme heat, and/or offer temporary replacement services with portable HVAC units.
Internal Services	Energy efficiency services for privately-owned buildings	Relevant to Proposed Goal 2: As the manager of the Southern California Regional Energy Network, ISD oversees a variety of energy efficiency programs that offer services for County residents such as direct installation of efficient cooling equipment. Though these programs may not target heat resilience as a primary goal, it is an important co-benefit.
LA County Development Authority	Shade Structures	Relevant to Proposed Goal 2: The LACDA is installing additional shade structures and canopies at senior housing developments.
LA County Development Authority	Residential Cooling Installation Project	Relevant to Proposed Goal 2: The LACDA is working on grants and funding to ensure that each unit and common area spaces are equipped with cooling and heating. Phase I of this project is to identify job scope and budget to install 100% of cooling in all LACDA-operated residential units.
Office of Emergency Management	Local Hazard Mitigation Plan	Relevant to Proposed Goal 1: This plan identifies specific capital projects that could help mitigate major hazards in order to make those projects eligible for federal funding. The currently adopted plan does not include heat mitigation capital projects but an upcoming update to the plan represents an opportunity to uplift heat mitigation needs at County facilities.
Parks & Recreation	Board report on Cooling Strategies in Parks	Relevant to Proposed Goal 1: In response to a board motion, DPR has identified a set of potential cooling strategies in parks and their associated costs.
Parks & Recreation	Parks Needs Assessment, PNA+, and OurParks Sustainability Plan	Relevant to Proposed Goal 1: The Parks Needs Assessment, PNA+, and OurParks reports collectively outline priority areas for future investment in parks. The development of additional park space across the County will provide cooling benefits such as increased shade and evapotranspiration
Public Health	Climate & Health Associated Programs	Relevant to Proposed Goals 1-3: DPH maintains key programs to prevent, mitigate, prepare and respond to heat, including: Office of Environmental Justice and Climate Health, Policies for Livable, Active Communities and Environments, Emergency Preparedness and Response, and Acute Communicable Disease Control: Vector-Borne Diseases
Public Health	Health Protective Messaging	Relevant to Proposed Goal 3: DPH issues heat advisories, directives and guidance and is developing plans to expand heat-protective messaging to students and hard-to-reach populations and maintains Community Health Councils for worker education and safety.
Public Health	Health Surveillance Data	Relevant to Proposed Goal 3: Public Health maintains Automated Disease Surveillance Systems that capture heat-related emergency room and EMS data.



**ATTACHMENT**

Public Works	Transit Stop Shelters: Advertising Bus Shelter Replacement Project	Relevant to Proposed Goal 1: This project is installing new contemporary style bus shelters providing shade at 40 bus stop locations that currently either have worn-down bus shelters or no shelters at all in the unincorporated communities of Altadena, Athens, East Los Angeles, Lennox, South Whittier, Valinda, West Los Angeles and Willowbrook.
Public Works	Interim Tree Removal and Replacement Policy	Relevant to Proposed Goal 1: Public Works preserves shade by planting at least as many trees as they remove.
Public Works	Safe Clean Water Program	Relevant to Proposed Goals 1 and 3: The SCWP provides funding to increase local water supply, improve water quality, and protect public health, with a focus on nature-based solutions which often have a co-benefit of helping to mitigate heat. DPW's role is to administer the SCWP. The scoring of SCWP proposals accounts for Community Investments, including reduction of heat island effect and increasing shade (Goal 1). Additionally, the SCWP educational programs that are intended to speak to all SCWP goals are expected to include Community Investment Benefits such as heat island effect reduction (Goal 3).
Public Works & Chief Sustainability Office	Climate Ready Communities	Relevant to Proposed Goal 1 and 3: DPW & CSO are co-leading a cross-departmental effort to improve climate resilience in unincorporated communities, with a focus on identifying and planning capital improvement projects and improving early warning/public information systems.
Public Works & Chief Sustainability Office	Cool Roof Ordinance	Relevant to Goals 1 and 2: In 2018, DPW & CSO established a cool roofs ordinance requiring that new construction and major renovations use cool roofing materials, which can help reduce outdoor temperatures as well as keep the interior of the building cool.
Public Works & Chief Sustainability Office	Building Decarbonization Strategies	Relevant to Proposed Goal 2: DPW and CSO are developing a strategy to transition the local building stock away from fossil fuel-based equipment and appliances and towards zero-carbon emission building systems. This policy work will likely accelerate the installation of energy efficient equipment that provides both heating and cooling and represents an opportunity to improve indoor heat resilience in heat-vulnerable communities.
Regional Planning	General Plan Safety Element	Relevant to Proposed Goal 1: In 2022, DRP updated the Safety Element of the County's General Plan to include strategies for addressing climate hazards, including voluntary strategies for extreme heat.