



Wildfire Preparedness

City and County of San Francisco

Health & Safety Risks



Dr. Naveena Bobba
Deputy Director
Department of Public Health

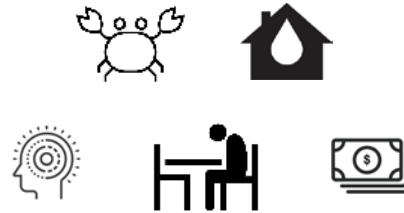
How will climate change impact San Francisco?

Climate change will exacerbate climate related illnesses & pre-existing conditions



Direct Health Impacts

Indirect Health Impacts



* Not typical in the S.F. Bay Area

Disadvantaged communities are most vulnerable to the health impacts of climate change

Exposure

- Urban Heat Islands
- Flood Planes
- Housing Quality
- Air Conditioning Ownership

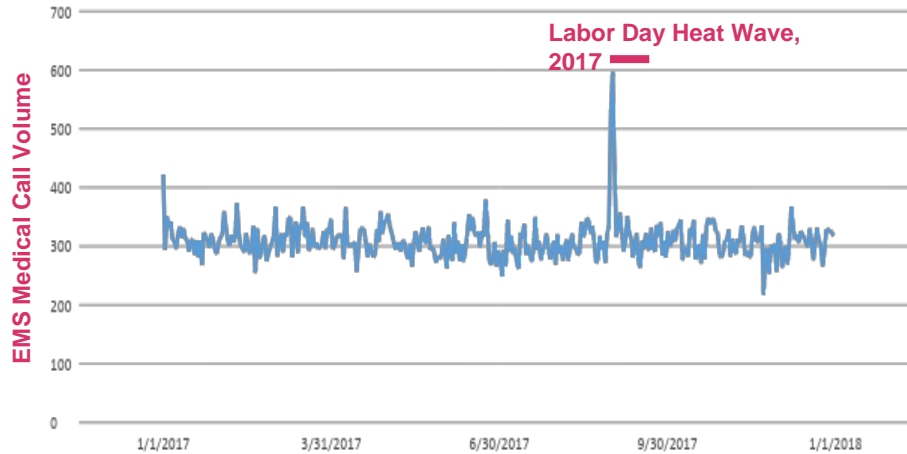
Sensitivity

- Older Adults
- Children
- Pregnant Women
- Pre-Existing Health Conditions

Adaptive Capacity

- Race
- Income
- Immigration Status
- Social Isolation
- Language
- Educational Attainment
- Access and Functional Needs

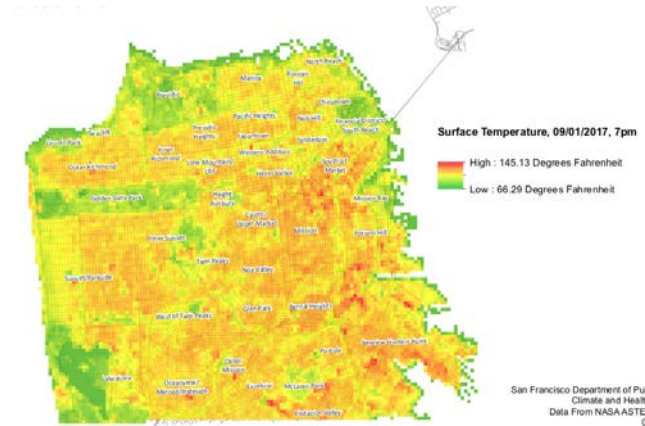
Climate change will increase the frequency and severity of extreme heat events



20
17

Temperature hit 106 degrees, the highest temperature ever recorded in the City.

- 48% increase in EMS medical calls for service
- 17% increase in emergency department visits



San Francisco Department of Public Health
Climate and Health Program
Data From NASA ASTER Satellite
09/17/2019

San Francisco is an Urban Heat Island

Citywide Response



Adrienne Bechelli
Deputy Director
Department of Emergency Management



Risk-Based Public Messaging

- Before, during, and after extreme weather events
 - Traditional and social media (standard)
 - Push notifications and alerts (more extreme)
 - Key messages:
 - Steps to stay safe and healthy
 - Where to find City resources
 - Home, beach, window, car safety tips
 - Where to get more information

Respite Location Overview

- Public locations
- City-operated Weather Relief Centers
 - Existing city facilities with expanded hours or adjusted programming
 - Number and locations depend on severity and duration of hazard
- Community-serving sites
 - Community locations that serve specific populations
 - Staff and site are familiar to residents
 - May be City-supported

Types of Locations

- Public locations
 - Shopping malls
 - Museums
 - Parks and pools
- City-operated Weather Relief Centers
 - Libraries
 - City community buildings
- Community-serving sites
 - Neighborhood YMCAs
 - Community centers
 - Senior centers

Vulnerable Population Outreach

- Heat and poor air quality
 - Wellness checks through Disability and Aging Services and community-based organizations
 - Standardized scripts and protocols depending on severity of hazard
 - Wellness checks and resource distribution for people experiencing homelessness through Homeless Outreach Team
- Power outages
 - City partnership with PG&E for restoration prioritization and access to Medical Base line Program customers
 - Ongoing coordination to prepare for Public Safety Power Shutoffs

Mutual Aid

- Send San Francisco resources to neighboring jurisdictions
 - Fire fighters, law enforcement, emergency managers, communications staff, animal care officers, utility crews
- Assist those who may have evacuated other counties
 - Hotels
 - Congregate shelters
 - Wrap around services



Looking Ahead

- Improve our data collection process
- Create lower barrier and more appealing Weather Relief Centers
- Expand network of community-focused respite locations
- Partner with organizations and housing locations serving vulnerable populations
- Identify additional creative solutions
- Complete further analysis and strategic capital planning

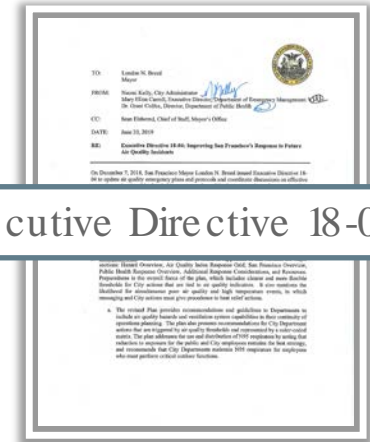
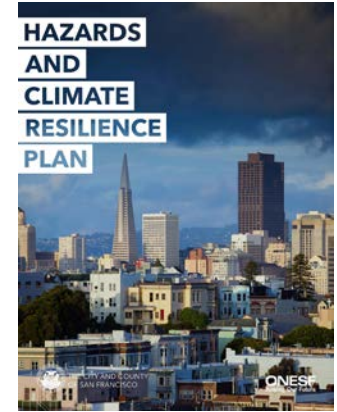
Heat & Air Quality Resilience

Melissa Higbee
Principal Resilience Analyst
Office of Resilience and Capital Planning

Heat and Air Quality Resilience Project

Increasing the resilience of San Francisco's frontline communities to the health impacts of extreme heat and wildfire smoke by:

- Coordinating the implementation of medium to long-term resilience strategies
- Making sure efforts benefit communities with the greatest health burden
- Increasing funding for activities
- Supporting research and evaluation
- Increasing community involvement

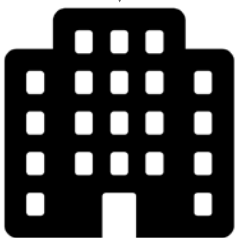


Executive Directive 18-04



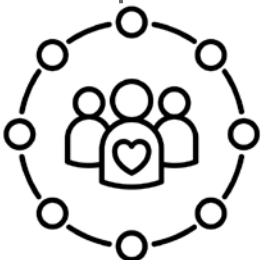
San Francisco Climate Action
A Vision for an Equitable and Sustainable City

Heat and Air Quality Resilience Project



Existing Buildings

Address barriers for weatherization in public and private facilities, especially those serving vulnerable populations.



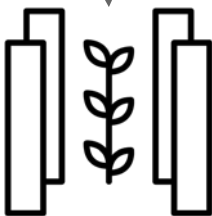
Community Readiness

Support community-facing resilience programs that build community capacity.



Emergency Response

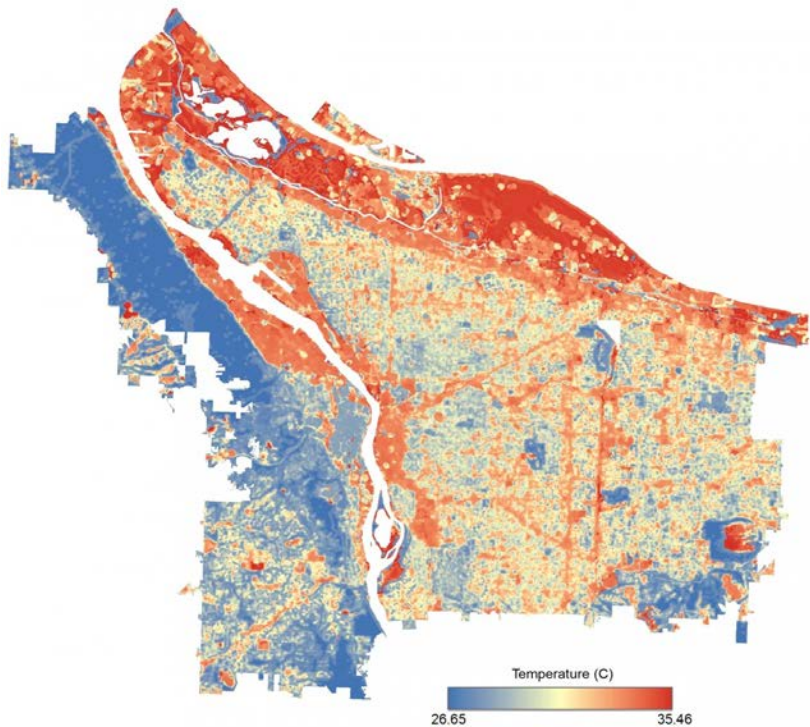
Develop an equitable respite center strategy, and investigate other emergency response strategies.



Green Infrastructure

Reduce urban heat islands and poor air quality through trees, open space and natural areas, parks, cool pavement, and other green infrastructure.

Heat and Air Quality Resilience Project



Portland Heat Island Map

Heat Watch Campaign

- Grant from NOAA to develop detailed heat island map for San Francisco
- Data collected through community-led volunteer effort
- Information will be used to help target and measure effectiveness of future interventions

Questions

A row of colorful, ornate Victorian houses, likely the 'Painted Ladies' in San Francisco, with the word 'Questions' overlaid in blue text. The houses are multi-story, featuring intricate woodwork, bay windows, and decorative facades in various colors like purple, blue, green, and yellow. The sky is bright and slightly overcast.