



# RAISING THE TEMPERATURE ON EXTREME HEAT

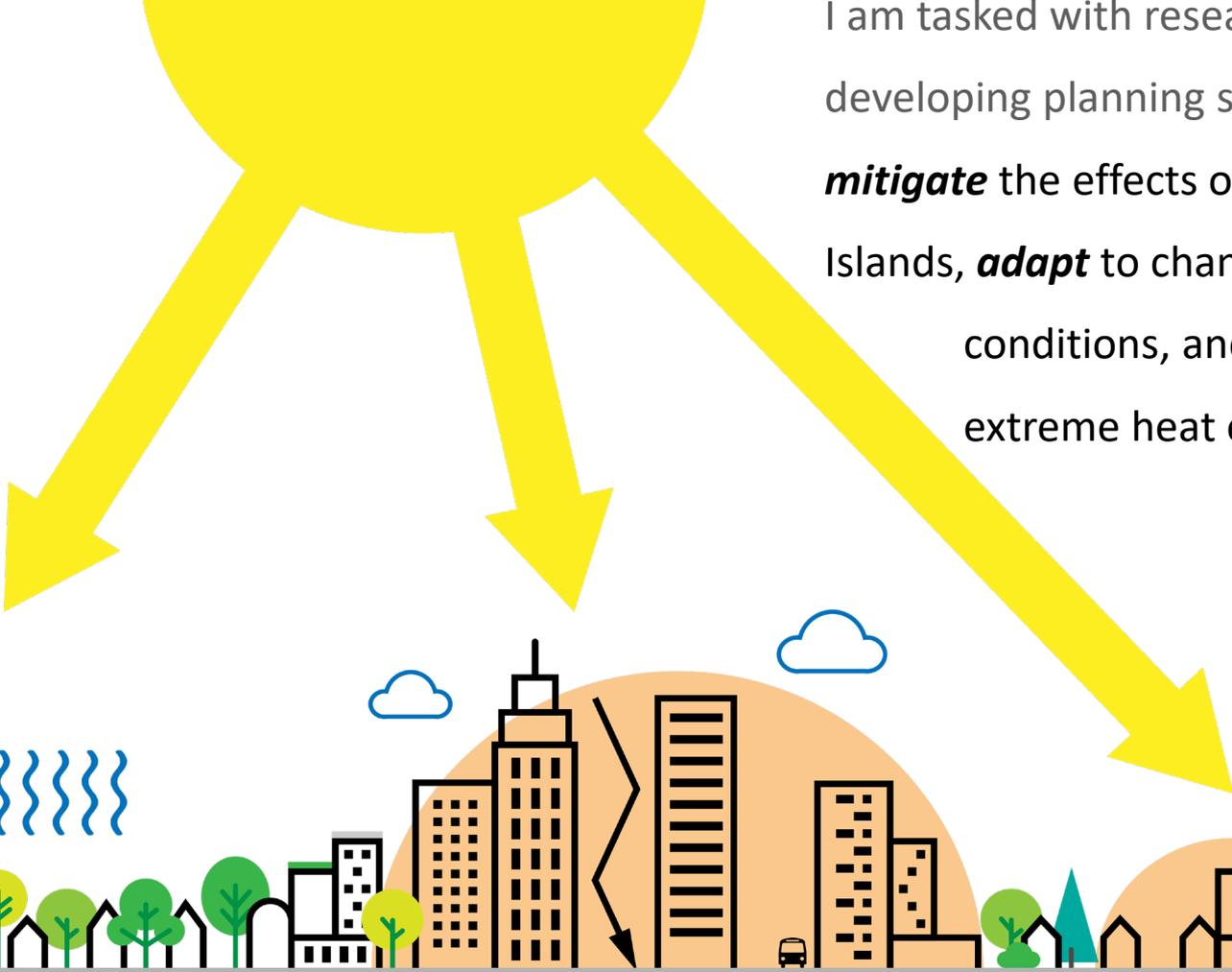
Heat Management and Adaptation in  
Portland, Oregon

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City Planner II – Climate Resilience



THE BUREAU OF  
**PLANNING &  
SUSTAINABILITY**



I am tasked with researching and developing planning strategies to **mitigate** the effects of Urban Heat Islands, **adapt** to changing climate conditions, and **respond** to extreme heat events.





# RESPONSE





# HELP FOR WHEN IT'S HOT – SUMMER 2023

Bureau of Planning and Sustainability (BPS), Multnomah County Health Department, and Portland Bureau of Emergency Management (PBEM)

- Attended community events, especially in high heat exposure areas, to share resources including;
  - How to obtain AC/Heat Pumps for those who qualify
  - Location of cooling shelters, public pools, splash pads, and misting stations
  - Symptoms of heat related illnesses and how to respond
  - Distributed cold packs, cooling cloths, spray bottles, water bottles, ice trays, and electrolytes

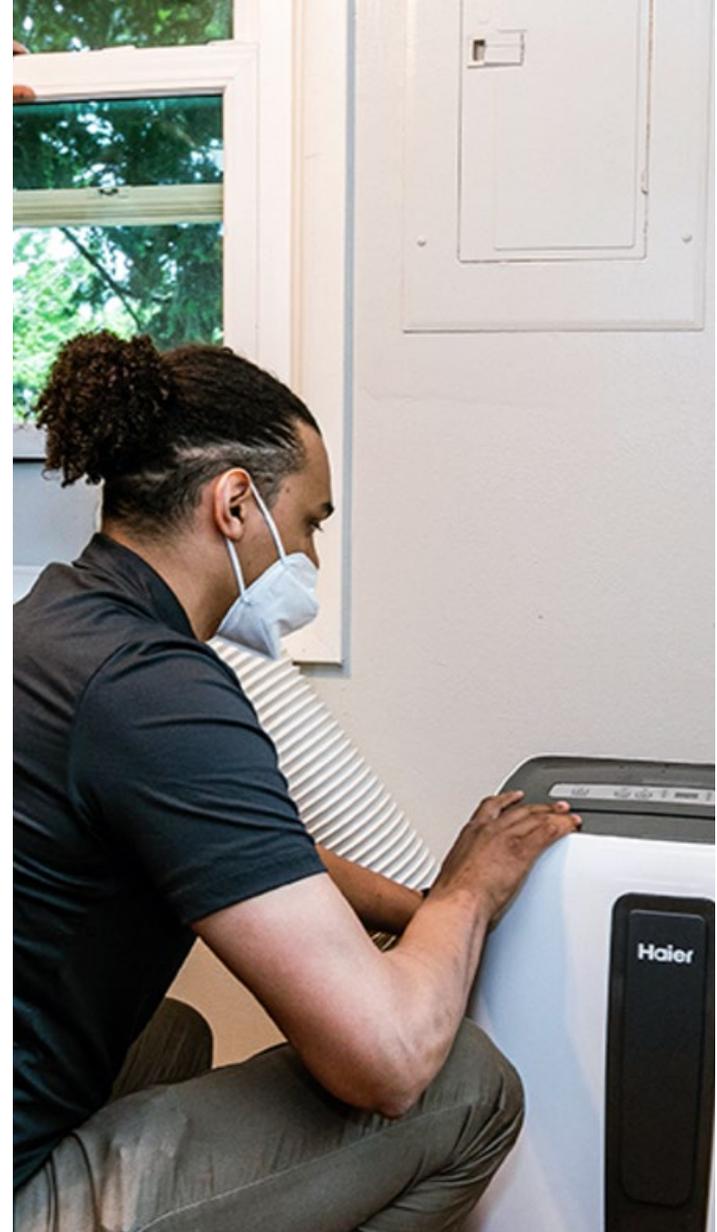
# Cooling Portland

Portland Clean Energy Fund (PCEF)

A program to connect vulnerable low-income Portlanders with efficient portable cooling/heating units

Initial Program Goals

- Reduce heat related risk to vulnerable populations by distributing and installing portable heat pump/cooling units in households, prioritizing those with seniors among *PCEF priority populations* (low-income people and people of color).
- Use PCEF guiding principles in design and deployment.
- Begin distribution in May/June 2022 with implementation taking place over a period of up to 5 years to distribute up to 15,000 portable heat pump/cooling units.
- Promote energy efficient installation and use, as well as connection to programs that lower energy bills.
- Provide support that maintains product life, efficient operation, and usability.





# Drinking Water Misting Stations

Portland Water Bureau (PWB) and Portland Parks & Recreation (PP&R)

The Portland Water Bureau installed misting stations in parks across town; with cool water spraying 24 hours a day during high heat events.



# ADAPTATION & MITIGATION



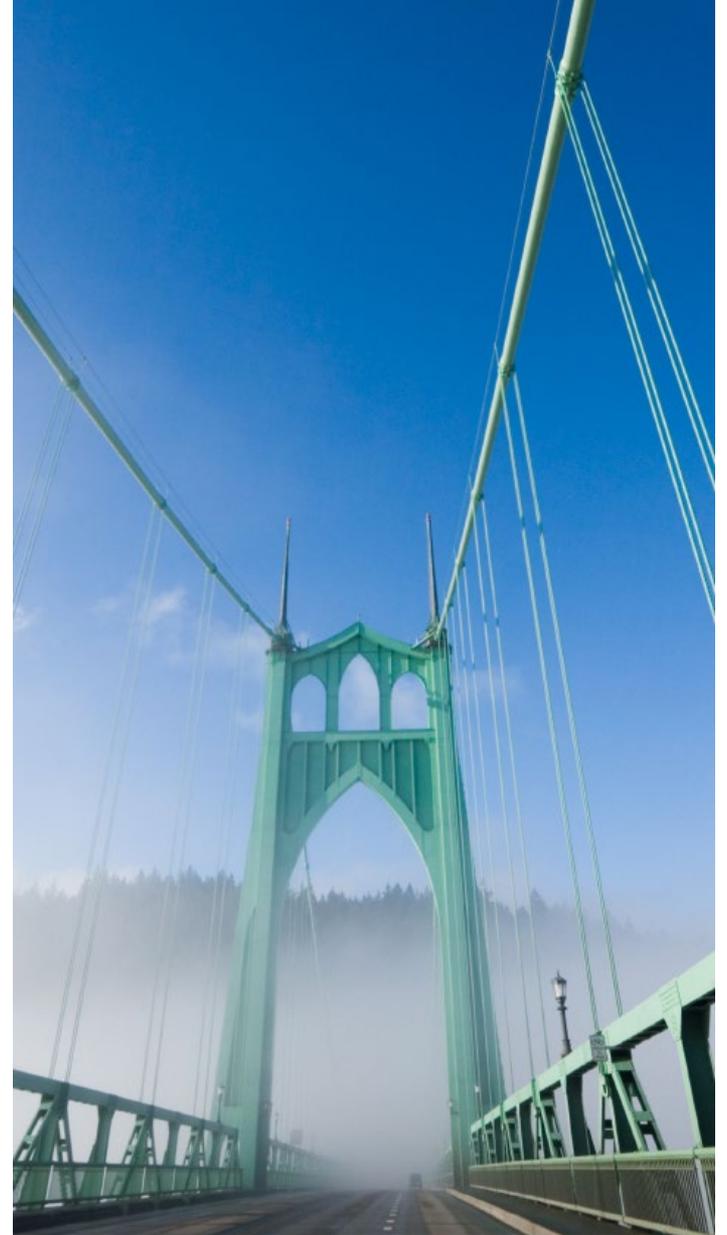


# Shade Equity

- Urban Forest Management Plan Update (PP&R/UF)
- Equitable Tree Canopy (PCEF)
- Tree Canopy Maintenance Reserve (PCEF)
- 82<sup>nd</sup> Avenue Street Tree Expansion (PCEF)
- Trees in the Curb Zone (UF/PBOT)

# Moving Forward

- Smart Surfaces
- Heat Management Action Plan
- City maintains trees in the right-of-way
- Update Zoning Code





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