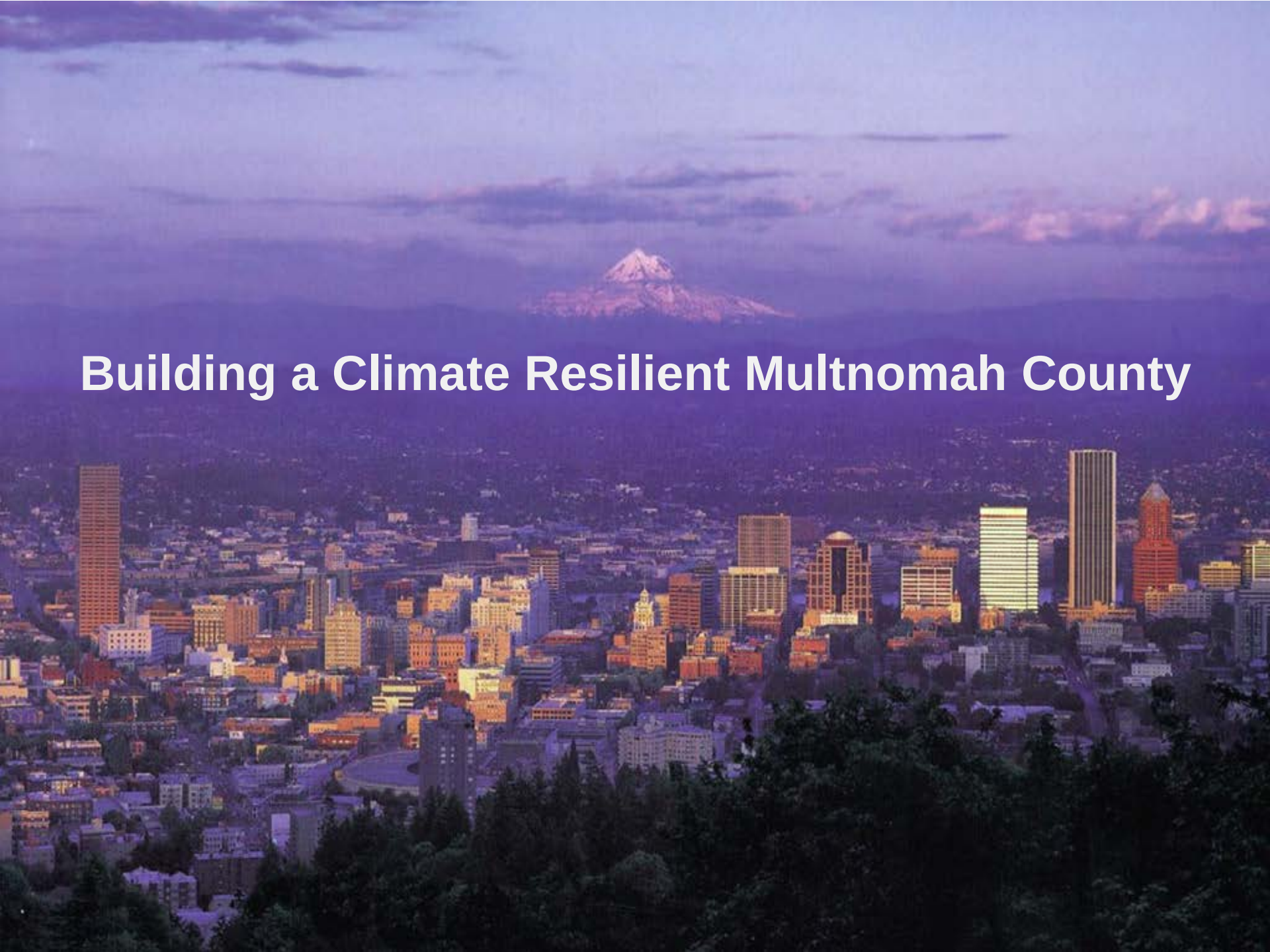
# Preparing for Climate Change

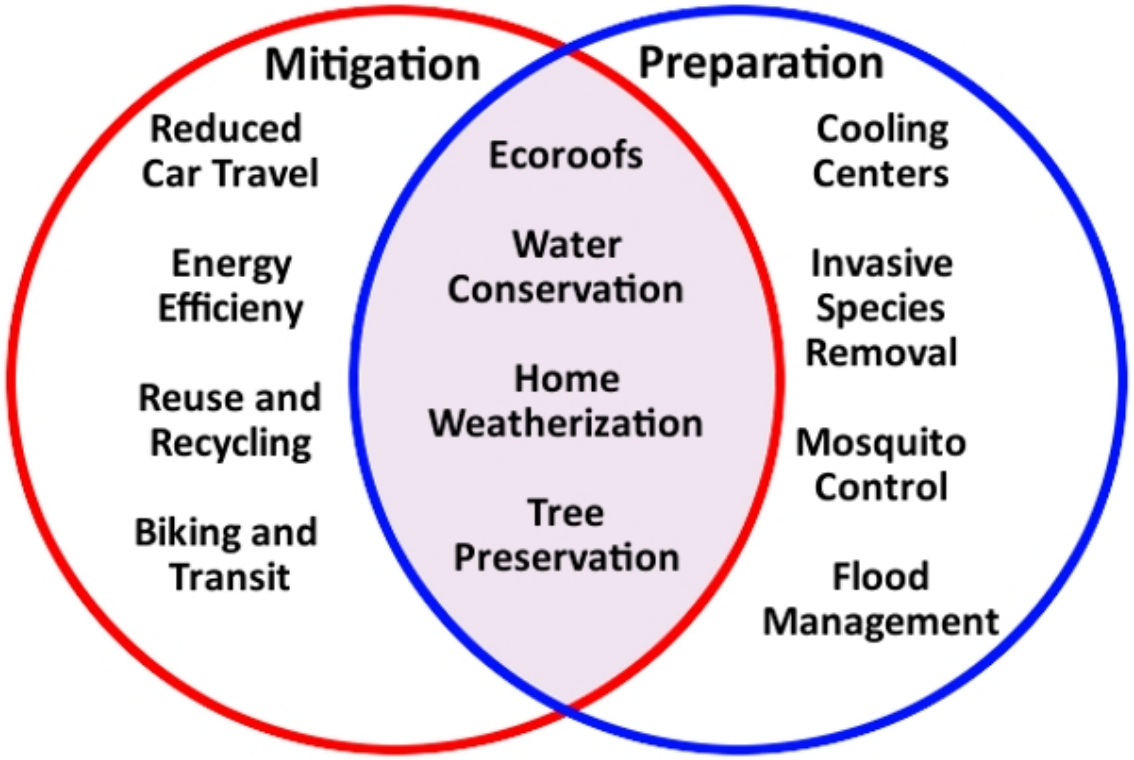
## Local Impacts and Strategies

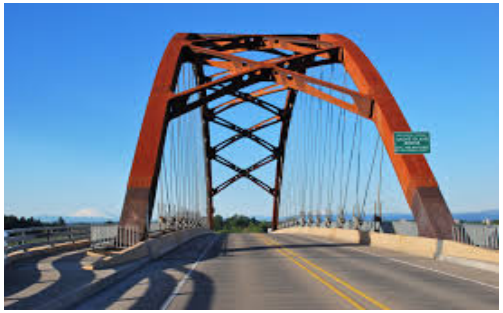
October 9th, 2014



# Building a Climate Resilient Multnomah County

# Approach // Systems Planning & Focus on Co-benefits



## Hotter, drier summers with more high-heat days

**Risk 1:** Increased temperatures (both day and night) and frequency of high-heat days

**Risk 2:** Increased incidence of drought

**Risk 3:** Increased wildfire frequency and intensity

## Warmer winters with the potential for more intense rain events

**Risk 4:** Increased incidence and magnitude of damaging floods

**Risk 5:** Increased incidence of landslides

## Impacts

- Drought stress on wildlife and habitat, increased invasive species, fire risk, loss of wetland habitat
- Flooding, increased erosion, landslides

# Public Infrastructure // Impacts & Strategies

## Impacts

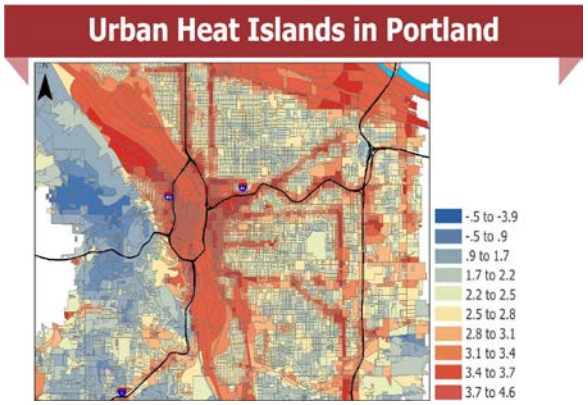
- Increased wastewater temperatures, pavement buckling, rail warping, increased demand for outdoor water use and park facilities
- Landslides, overwhelming of stormwater facilities, flooding of roadways and bike paths

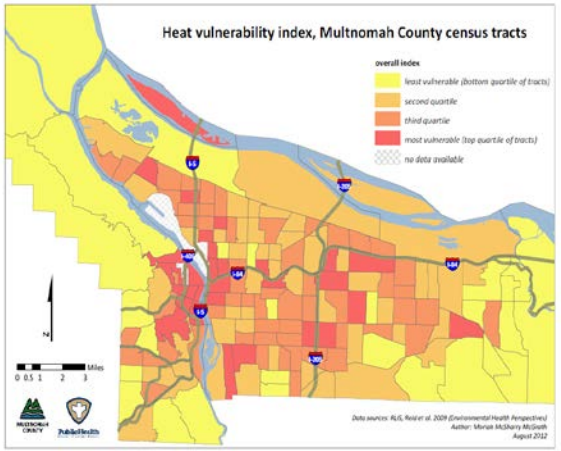
# Public Health // Impacts

- Increase in heat-related illness, especially for vulnerable populations
- Increase in respiratory diseases such as asthma
- Changes in vector-borne diseases like West Nile virus

# Public Health // Impacts – Health Equity

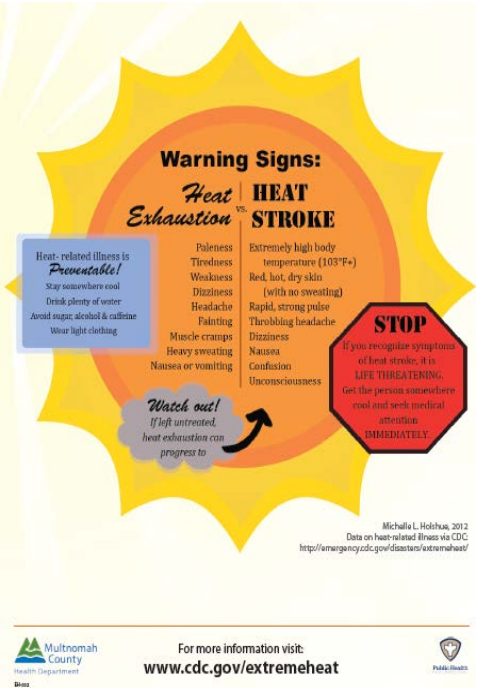
- Populations without the physical or economic ability to adapt will face greater health risks
- These communities are already hard hit
- Minimizing impacts on existing health disparities is vital



# Public Health // Strategies

- Educate vulnerable populations about heat-related illness
- Track the impact of high-ozone days on health
- Develop a Clean Air toolkit
- Support air quality improvements through research and technical assistance
- Manage vector borne diseases
- Track emerging issues, such as mental health and climate refugees

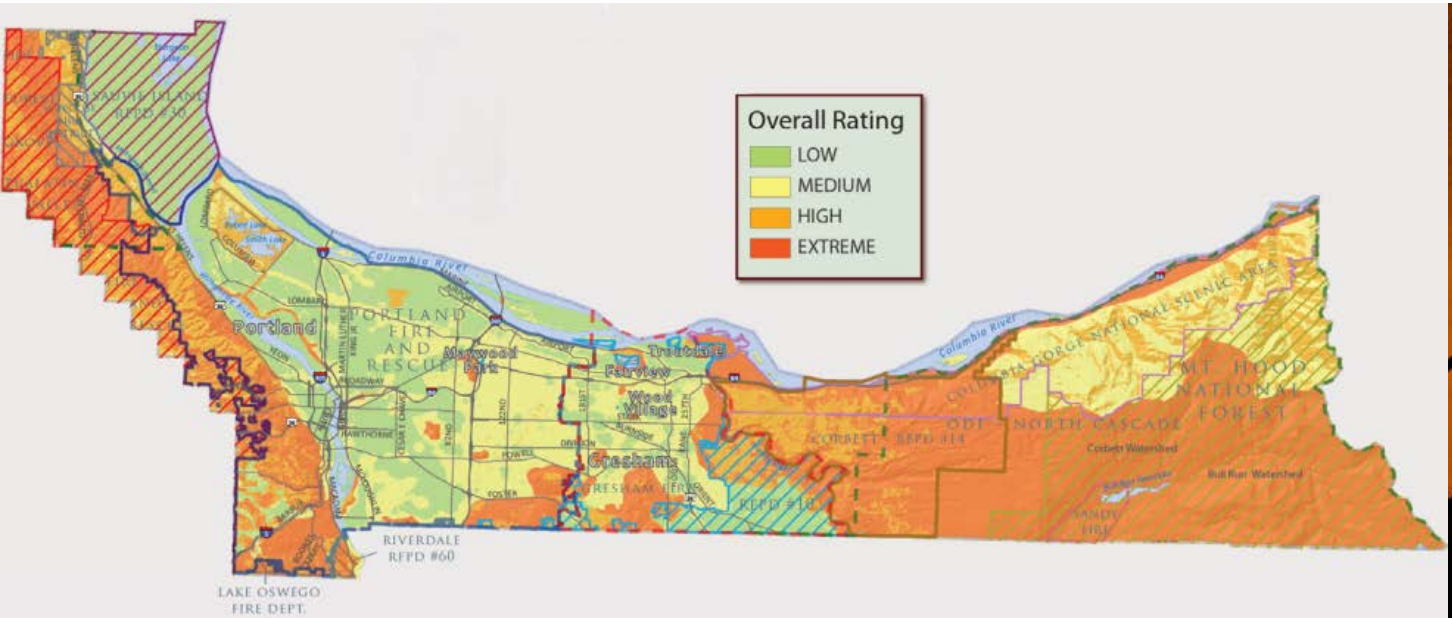
# Putting Strategy Into Practice // Dept. of Comm. Services

- Infrastructure planning and maintenance
- Habitat restoration projects
- Comprehensive Plan update
- Coordination with regional governments



# Putting Strategy Into Practice // Office of Emergency Mgmt.

- Community Wildfire Protection Plan
- Natural Hazard Mitigation Plan




# Putting Strategy Into Practice // Institutionalizing the Work.

- Keep doing what we are doing
- Get ahead of coming impacts
- Monitor and research key unknowns
- Collaborate across sectors and with the community
- Monitor progress, report, and revise