

City and County of Denver
Climate Adaptation Plan



DENVER
ENVIRONMENTAL HEALTH

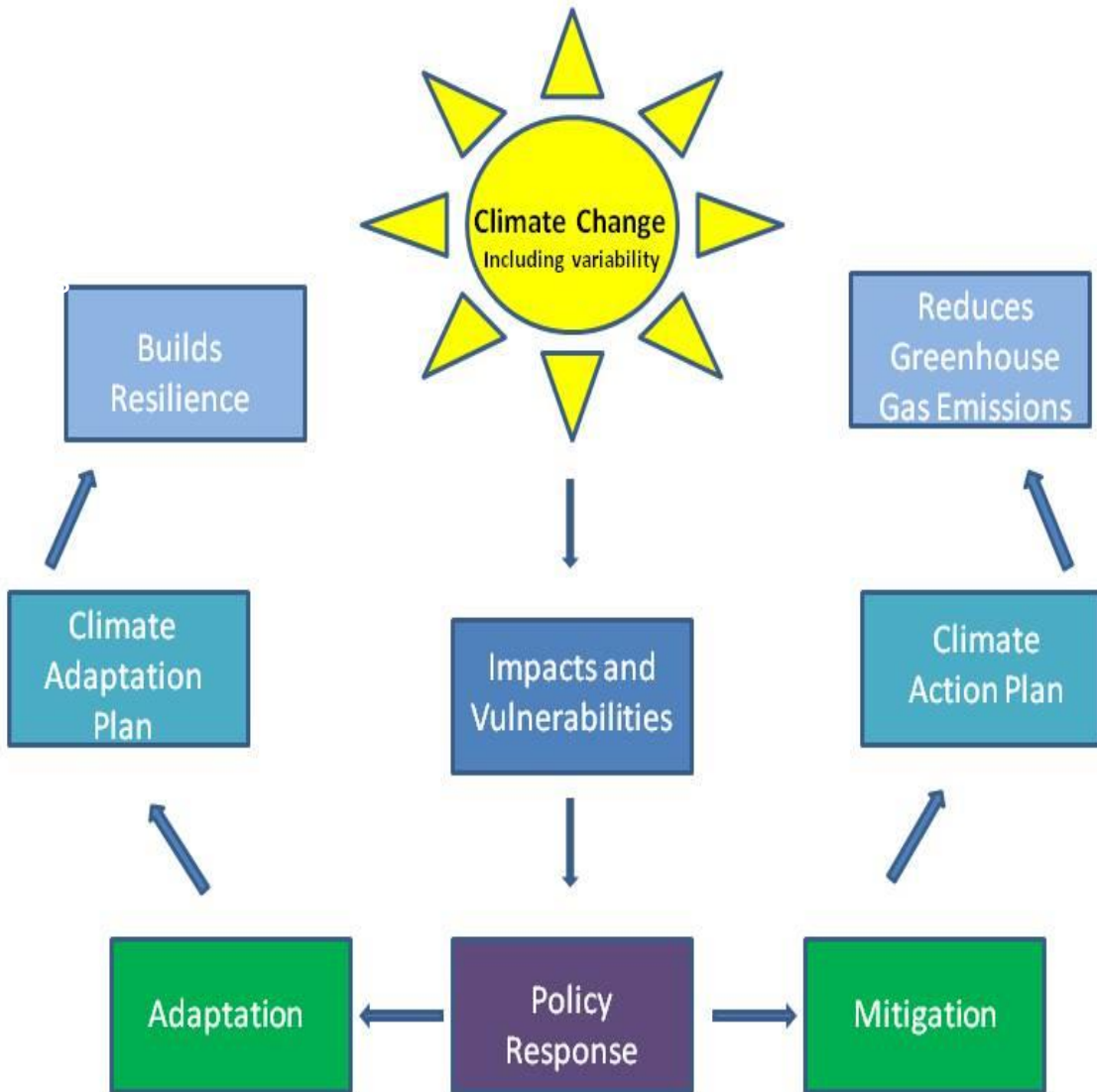
2014

Why Adaptation?

- Front Range climate predictions concur:
 - Statewide temperature increases
 - Earlier mountain snowpack runoff resulting in lower summer stream flows (South Platte)
 - More extreme weather events
- Impacts will be notable
 - Public health emergencies for vulnerable populations
 - Water supply will be stressed
 - High energy consumption and elevated cooling costs
 - Diminishing air quality
 - Increased risk of drought



Adaptation and Mitigation



Climate Adaptation Process

Working group identified vulnerabilities associated with these potential climate impacts:

- An increase in temperature and urban heat island effect
- An increase in frequency of extreme weather events
- Reduced snowpack and earlier snowmelt

Vulnerabilities defined for five sectors:

- Buildings and Energy
- Health and Human Services
- Land Use and Transportation
- Urban Natural Resources
- Water Consumption
- Food and Agriculture



Vulnerability Examples

Expected Climate Impact	Priority Vulnerability	Affected Departments	Sector
Increase in temperature and urban heat	Extreme heat events affecting vulnerable populations	CPD, DEH, DHS, DPR	Health and Human Services
	Increase in vector borne diseases/increased use of pesticides	DEH, OEM	Health and Human Services
	Increase in number and/or severity of high ozone days	DEH, DHHA*	Health and Human Services
	Stress on trees and urban landscaping	DPR	Urban Natural Resources
	Warming of stream and lake systems affecting aquatic species and human recreation	DPR, DEH	Urban Natural Resources
	Higher water demands (City and private) and possible higher cost of water and consumption in summer months	CPD, DEH, DPR, DW*	Water Consumption



Climate Adaptation Process

- Short-medium- and long-term Response strategies developed by agencies
- Short –Term response strategies embedded in Denver’s Environmental Management System (EMS) – ISO 14001
 - Sets goals for implementation
 - Established path to measure success
- Medium- and long –term response strategies to be evaluated for implementation starting in 2015



Short-Term Activities



How **Neighborhood Planning** **Affects Health** in Globeville and Elyria Swansea

SEPTEMBER 2014

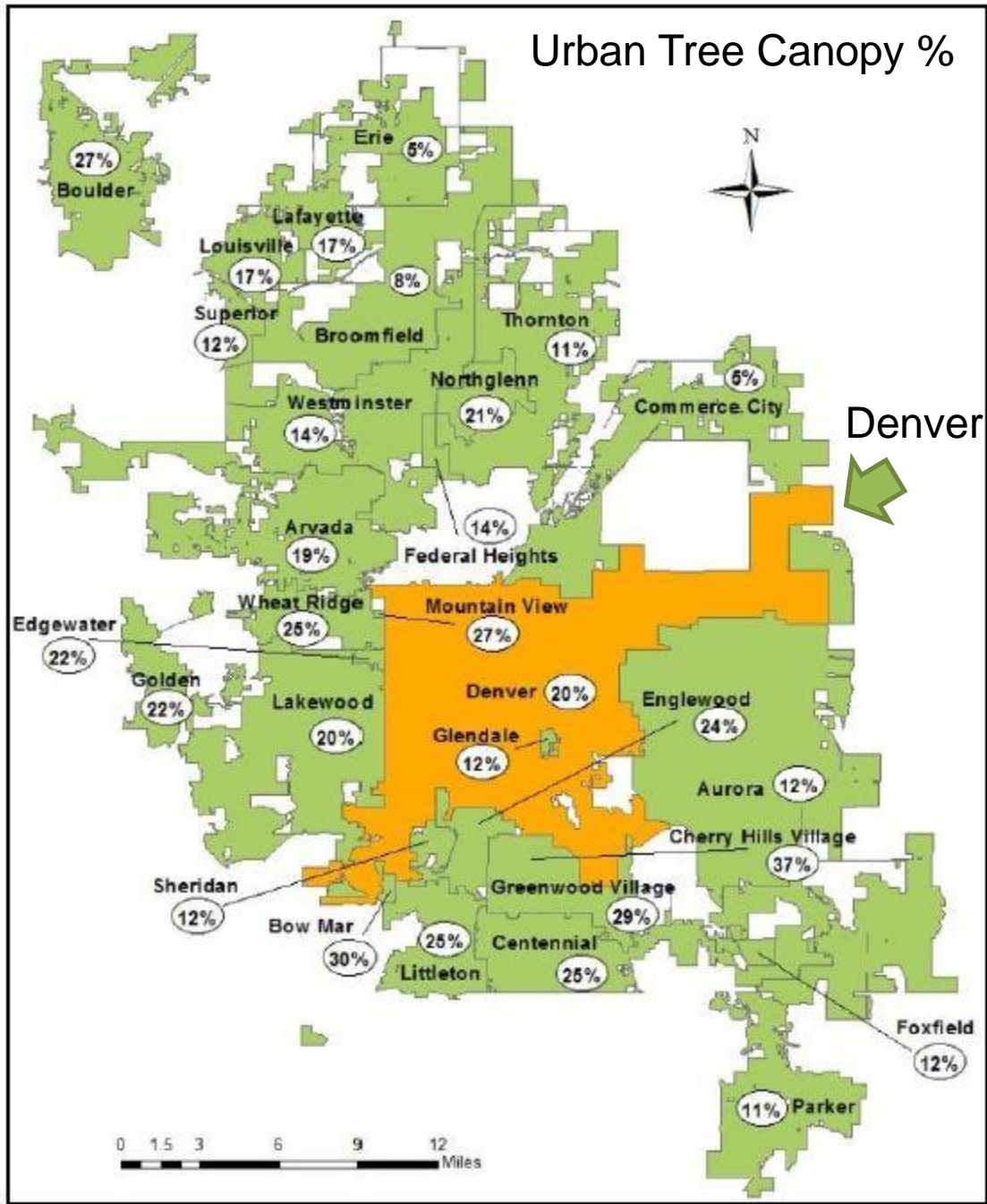


Be Healthy Denver
COMMUNITY HEALTH MATTERS



2014

Medium & Long-Term Activities



Medium & Long-Term Activities (cont)

ACEEE Energy Efficiency Scorecard

Energy & Water Utility Policies and

Public

Benefits

Programs

Transportation

Policies

TOTAL SCORE (100 pts.)

Rank	City	State	Local Government Operations (15 pts.)	Community-Wide Initiatives (10 pts.)	Buildings Policies (29 pts.)	Energy & Water Utility Policies and Public Benefits Programs (18 pts.)	Transportation Policies (28 pts.)	TOTAL SCORE (100 pts.)
1	Boston	MA	11	9.5	21.5	15.75	19	76.75
2	Portland	OR	13.75	7.5	14.5	14.75	19.5	70
3	New York City	NY	10.5	9	22	15.25	13	69.75
3	San Francisco	CA	13	8	17	15.75	16	69.75
5	Seattle	WA	10.75	6	22.5	14.75	11.25	65.25
6	Austin	TX	9.75	9	21.5	10.75	11	62
7	Washington	DC	8.25	4	21	8.75	14	56
8	Minneapolis	MN	10	6.5	10	13.75	15	55.25
9	Chicago	IL	10.75	8	12	13.5	10.5	54.75
10	Philadelphia	PA	10.5	8.5	11.5	8.5	15.5	54.5
11	Denver	CO	11	7.5	7.5	14.25	12.5	52.75
12	Baltimore	MD	8.75	8	9	8.75	12	46.5
13	Houston	TX	8.75	6	11.5	9	10	45.25
14	Dallas	TX	9.5	6	7.5	8.25	13	44.25



Next Steps

- Implementation
 - Medium-term and long-term adaptation activities
 - Incorporate adaptation planning into strategic plans and agency plans
 - Work with Denver Water to engage the public
- Additional Analysis
 - Climate projections and vulnerabilities
 - Planning scale and integration
- Adaptive management
- Metrics and accountability



Stay Updated

Website

www.Denvergov.org/DEH “Climate” tab

Contact

Your contact info?



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