



Rialto Climate Adaptation Plan

City of RIALTO



Climate Adaptation Plan

City of Rialto

Prepared by:

DUDEK

Plan Purpose

- Make Rialto more resilient to hazards impacted by climate change
- Meet SB379 Requirements
 - State Mandate to address climate change in the general plan
- Grant Competitiveness
- Meet SB1000 Requirements for climate change
 - State Mandate to address environmental justice in the general plan

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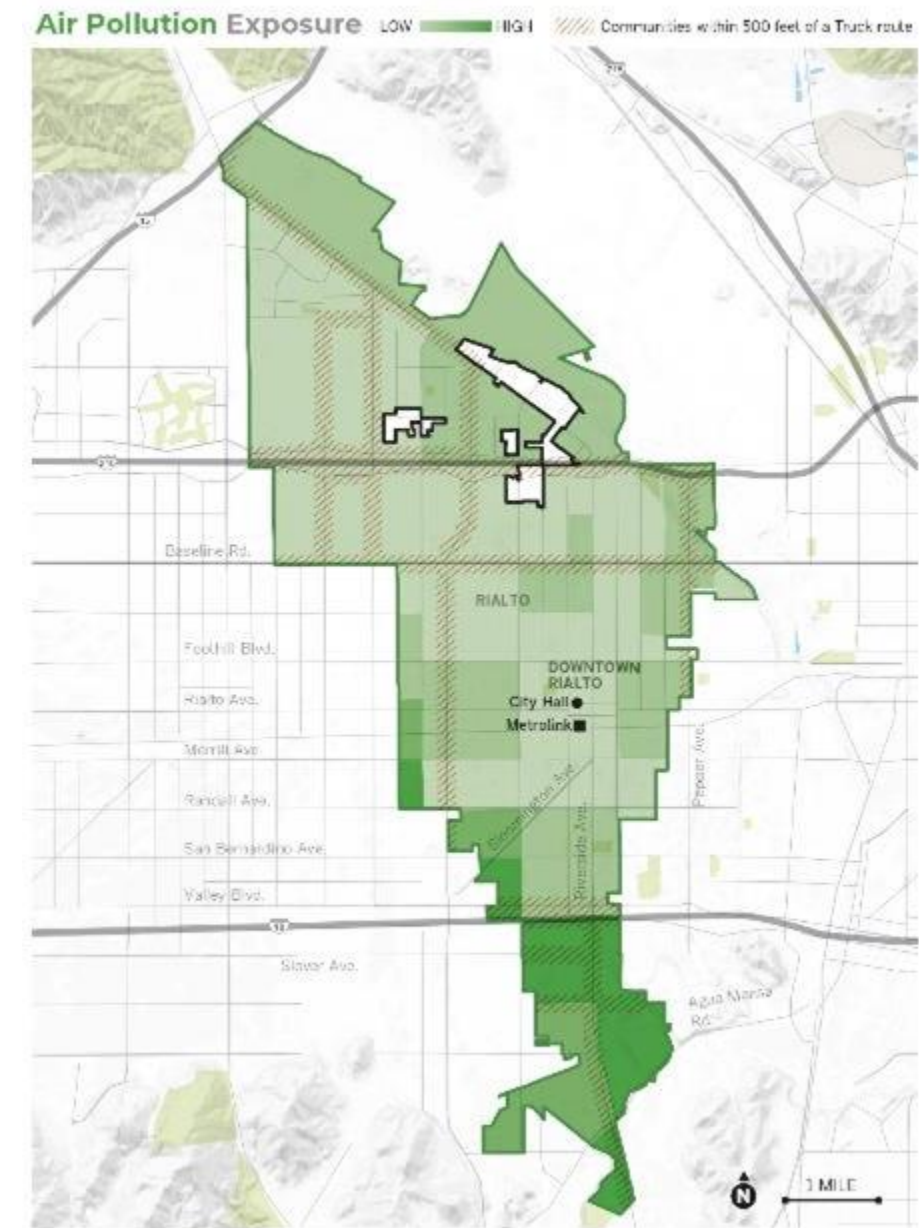
Plan Overview

- Introduction
- Public Engagement
- Data Collection
- Hazard Assessment
- Capability Assessment
- Goals, Policies, Actions

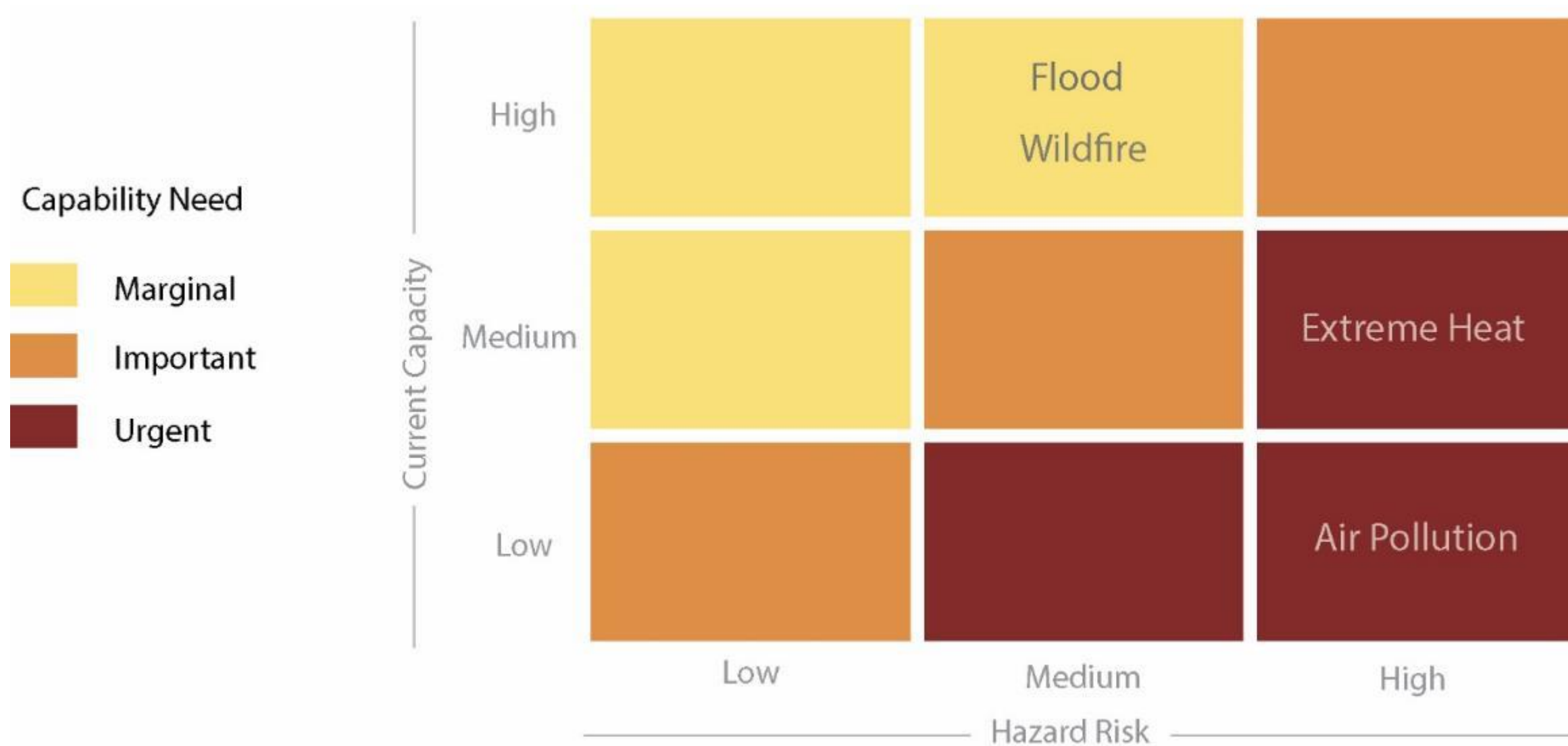
Example of Climate Hazard

Air Pollution

- **What:** Emissions from cars and trucks and limited green space.
- **Who:** Children, older adults, and people with preexisting conditions.
- **When:** Now and could increase with higher temperatures
- **Where:** see map



Ranking Risk and Capacity



Climate Adaptation Plan Timeline

Year	2019					2020												2021								
Month	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9
TAC Meetings																										
Bike Rodeo Workshop																										
Online Survey																										
Virtual Walking Tour																										
Two Virtual Workshops																										
Farmers Market Workshop																										
Public Review																										
School Engagement																										

Dates

TAC Meetings: October 3rd, 2019 ... January 7th 2020 ... May 10th, 2021

Online Survey: August 2nd 2019 – May 8th, 2021

Virtual Walking Tour: January 20th, 2021 – May 8th, 2021

Public Workshops: August 17th, 2019 ... May 3rd, 2021 ... May 6th, 2021 ... June 23rd, 2021

School Engagement: August 26th, 2021 ... September 1st, 2021

Public Comments

7/30/2021 – 8/30/2021

Trees

- Concerned with the selection of tree species regarding the public safety threat they pose during extreme wind events such as the Santa Anas where branches may fall.
– Community Member

Bike & Pedestrian Infrastructure

- Extend the Pacific Electric Bike Trail to Riverside Ave in downtown.
– Community Member
- Add elevated crosswalks around school zones for students to get safely to school.
– Community Member

City of Rialto EDC Meeting

8/12/2021

Fire Hazard Severity Zones

- Concerned with fire insurance and the differences between insurance company and CALFIRE fire maps.
 - Added action to reach out to insurance companies with the end goal of better understanding and publicizing their fire maps.

Urban Forest

- How can the City best balance the benefits of tree planting with their water usage, fire concerns, etc.
 - Plan prioritizes trees along most beneficial walking routes
 - Prohibited Tree List for Landscaping in Fire Hazard Zones
 - Consulting with a Certified Arborist for other Tree Planting Programs

City of Rialto Planning Commission Meeting

8/25/2021

City Implementation

- Implementation Tracking
 - Specific data points and sources are included in Implementation Table 6.1
 - Added action to have City Staff perform an annual CAP implementation report
- Grant Applications
 - Updates on grant applications would be included in CAP implementation report
- Regular Updates to the Plan
 - Added action to update the plan upon City Council Request

Engagement Efforts

- Wanted more specific outreach actions
 - Updated all outreach actions to specify who is receiving the outreach
 - Implementation Table 6.1 identifies the department in charge of the specific engagement action

Policy Recommendations



Four Phases of Hazard Planning



Mitigation

Actions **before** a disaster to **minimize** the impact



Preparedness

Actions **before** a disaster to increase a community's **capacity** to respond to a hazard



Response

Actions **during** and immediately after a hazard event to **respond** to a hazard



Recovery

Actions **after** a hazard to **restore** community function and build back stronger

Example of Goal, Policy, and Action

Goal 1: *Streets that are safe and comfortable to walk and bike through.*



Policy 1.1: Safe Routes to School. Prioritize Safe Routes to School (SRTS) in areas most affected by extreme heat and air pollution.

Implementation Action 1.1a: N. Acacia Avenue SRTS. Implement N. Acacia Avenue (Segment 20) SRTS Plan. Explore options to increase tree cover along route.

Implementation Action 1.1b: N. Apple Avenue. Implement N. Apple Avenue (Segment 9) SRTS Plan. Explore options to increase tree cover along route.

Implementation Action 1.1c: N. Eucalyptus Avenue Implement N. Eucalyptus Avenue (Segment 28) SRTS Plan. Explore options to increase tree cover along route.

Implementation Action 1.1d: Willow Avenue. Implement Willow Avenue (Segment 11) SRTS Plan. Explore options to increase tree cover along route.

Implementation Action 1.1e: Etiwanda Avenue. Implement Etiwanda Avenue (Segment 19) SRTS Plan. Explore options to increase tree cover along route.

Implementation Action 1.1f: W. Rialto Avenue. Implement W. Rialto Avenue (Segment 24) SRTS Plan. Explore options to increase tree cover along route.

Goal 1- Streets that are safe and comfortable to walk and bike through

Policy - Safe Routes to School

Implementation Action Example

- “Implement N. Acacia Avenue Safe Routes To School Project. Explore options to increase tree cover along route.”

Policy - Cool Corridors

Implementation Action Example

- “Implement bikeway improvements along Riverside Avenue, as outlined in the Active Transportation Plan, with shade improvements where the right-of-way allows. Add parklets with mature trees along the route.”

MITIGATION

Goal 2- A community with clean air

Policy – Low-Emission Public Vehicles

Implementation Action Example

- “Install public electric vehicle charging stations at City offices and facilities.”

Policy – Truck Routes

Implementation Action Example

- “Pursue grant funding to install MERV-13 Air filters in existing homes and schools within 500 feet of a truck route.”

Policy – Diverse Urban Forest

Implementation Action Example

- “Develop a free residential yard tree program that distributes 500 trees a year to Rialto residents. Prioritize homes in disadvantaged communities.”

MITIGATION

Goal 3- A built environment resistant to extreme heat

Policy – Hydration Stations

Implementation Action Example

- “Work with Omnitrans to identify bus stops with high levels of ridership and sufficient plumbing infrastructure to install water stations, and pursue grant funding to install them.”

Policy – Cool Buildings

Implementation Action Example

- “Advertise weatherization programs in public space and public events. Partner with Southern California Edison and other appropriate partners to ensure that the most vulnerable residents have information about air conditioning assistance for medically vulnerable and weatherization for low-income populations.”

MITIGATION

Goal 4- Public infrastructure resistant to climate hazards

Policy – Flood-Proofed Infrastructure

Implementation Action Example

- “Inventory all sewer pump stations in a 100- and 500-year flood plain. The City should use this inventory to identify priority facilities for upgrading to be flood resistant.”

Policy – Fire-Proofed Infrastructure

Implementation Action Example

- “Replace plastic culverts with fire-resistant materials such as reinforced concrete pipe and steel in High Fire Severity Zones.”

MITIGATION

Goal 5- A community prepared for disasters

Policy – Inform and Assist At-Risk Community Members

Implementation Action Example

- “Work with local schools to create age-appropriate preparedness classes. Prioritize schools in disadvantaged communities.”

Policy – Retrofit Community Centers to Increase Resilience During a Hazard Event

Implementation Action Example

- “Expand hours of operation of cooling centers when the temperature exceeds 100°F and during hazardous air days.”

PREPAREDNESS



Goal 6 - Emergency response designed to serve a range of community needs

Policy – Emergency Operations Center

Implementation Action Example

- “Periodically review technology used to support the EOC to ensure systems are updated and effective, including City GIS.”

Policy – Special Needs Populations

Implementation Action Example

- “Develop a voluntary vulnerable population registry and subsequent priority list to help responders better provide services and meet the needs of those most in need.”

RESPONSE

Goal 7 - A community that builds back stronger

Policy – Fire-Resistant Code

Implementation Action Example

- “Ensure that street widths, paving, and grades can accommodate emergency vehicles. Also continue to require 30 feet of vegetation management on all street segments without improved lots.”

Policy – Landscape Standards in Wildfire Hazard Severity Zones

Implementation Action Example

- “Continue to implement the City’s weed abatement program in Fire Hazard Severity Zones.”

Policy – Flood Plain Standards



Implementation Action Example

- “Regulate new development for flood protection in accordance with State requirements for 200-year floods and federal requirements for 100-year floods..”



RECOVERY

Implementation Table

Code	Name	Description	Funding	Cost	Time frame	Hazards Addressed	Phase of Hazard Planning	Responsible City Departments	Adaptation Recommendations	Performance Indicators/ Tracking Method	Priority
1.1a	N. Acacia Avenue SRTS	Implement N. Acacia Avenue (Segment 20) SRTS Plan. Explore options to increase tree cover along route.	Active Transportation Program (ATP) Urban Greening Clean Mobility Options	\$69,919	Medium	Air Quality  Extreme Heat 	Mitigation	Public Works	Additional urban greening and heat reduction strategies where ROW allows	Number of children walking to school Automobile collisions involving bikes and pedestrians within a ½ mile of a school Tree Canopy Projections for Heat Health Events	Yes

- Allows for simple implementation
- Links costs and potential funding sources
- Identifies tracking methods

City Council Discussion and Action