

SUSTAINABLE RIVERSIDE

City Manager's Office

City Council
March 10, 2020

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SUSTAINABILITY IS A COMPLEX CONCEPT

Triple Bottom Line

"To systematically, creatively, and thoughtfully utilize environmental, human, and economic resources to meet our present needs and those of future generations without compromising the ecosystems on which we depend."

- City of Fort Collins




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SUSTAINABILITY = QUALITY OF PLACE & LIFE

Livable * Equitable * Viable

Economic Prosperity


- Housing affordability
- Retain, develop and attract workforce talent
- Inclusive entrepreneurial ecosystem
- Exceptional quality of place
- Retain and attract businesses
- Welcoming investment climate
- City's financial solvency

Social Responsibility

- Diversity & inclusion
- Equity – equal opportunity for all
- Access to healthcare
- Homelessness
- Reduce poverty
- Education attainment
- Government transparency

Environmental Stewardship

- Water quality
- Habitat preservation & restoration
- Air quality
- Preservation of open space and agricultural resources
- Addressing climate change


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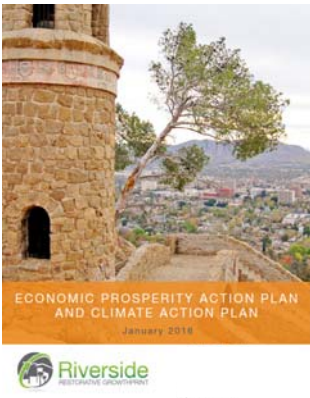


ENVIRONMENTAL STEWARDSHIP

Green Action Plan 2007, 2012, 2015



Climate Action Plan 2016



General Plan, Strategic Plan, and Seizing Our Destiny




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ACCOMPLISHMENTS



Riverwalk Park

Open Space
& Parks

Clean Fleets



Riverside Clean Fleet



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ACCOMPLISHMENTS



Resource
Recovery



Renewable
Energy



Water Source
Preservation



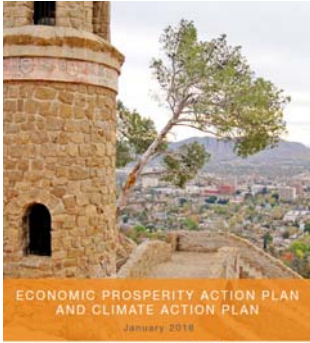
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ECONOMIC PROSPERITY

Economic Prosperity Action Plan - 2016



1. Economic Development Action Plan (Underway)
2. Innovation District (Underway)
3. Streamline Riverside & the One Stop Shop
4. GrowRIVERSIDE
5. CalPERS Challenge
6. Housing Authority
7. Competitive Grant Awards for Affordable Housing
8. Riverside At Work, internships and volunteering
9. Economic Development Rates for electricity
10. Energy efficiency & water conservation rebates
11. Apprenticeships
12. Local procurement preference

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ACCOMPLISHMENTS



GrowRIVERSIDE

Public and Private Investment



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SOCIAL RESPONSIBILITY

LEADERSHIP

- 1. Human Relations Commission
- 2. Mayor's Multicultural Forum
- 3. Commission on Disabilities
- 4. Commission on Aging
- 5. Riverside Youth Council
- 6. Model Deaf Community
- 7. Airport Diversity Meetups
- 8. Dementia Friendly Cities

POLICY

- 1. Inclusivity Statement
- 2. Housing First Plan
- 3. Heal Zone & Fit, Fresh & Fun

SERVICES

- 1. CDBG Program Funding
- 2. Project BRIDGE
- 3. Office of Homeless Solutions
- 4. Casa Blanca Customer Resource Center & utilities SHARE assistance program
- 5. Engage Riverside public portal
- 6. Grants



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ACCOMPLISHMENTS



INVEST HEALTH
Strategies for Healthier Cities

ICMA
Leaders at the Core of Better Communities

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TAKING RIVERSIDE INTO THE FUTURE

Build on the Amazing Past Work and Align Efforts

1. Advancing social equity and environmental justice;
2. Addressing climate change & other environmental factors; and
3. Aligning Citywide planning efforts:
 - a. Strategic Plan
 - b. General Plan
 - c. Economic Development Action Plan
 - d. Other Department Plans



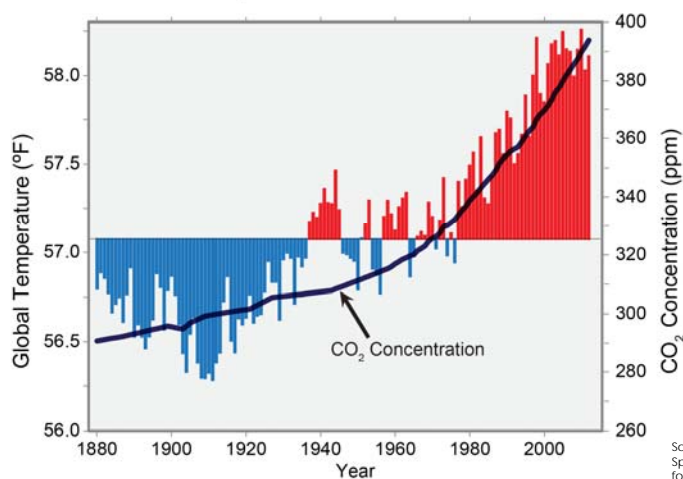
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CLIMATE CHANGE – HOW DOES IT APPLY?

Global Temperature and Carbon Dioxide



Source: NASA Goddard Institute for Space Studies, NOAA National Centers for Environmental Information, and ESRI. 12



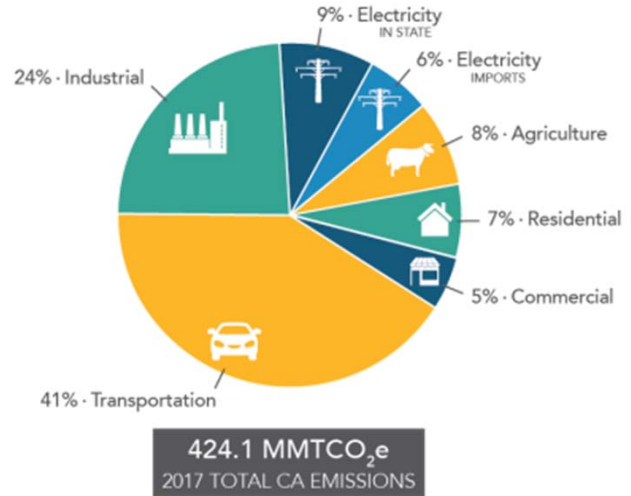
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WHAT CAUSES CLIMATE CHANGE?

Greenhouse Gas (GHG) Emissions

- Carbon dioxide (CO₂)
- Methane (CH₄)
- Nitrous oxide (N₂O)
- High Global Warming Potential Gases
 - Sulfur hexafluoride (SF₆)
 - Hydrofluorocarbons (HFCs)
 - Perfluorocarbons (PFCs)
 - Nitrogen trifluoride (NF₃)



<https://ww2.arb.ca.gov/ghg-inventory-data>

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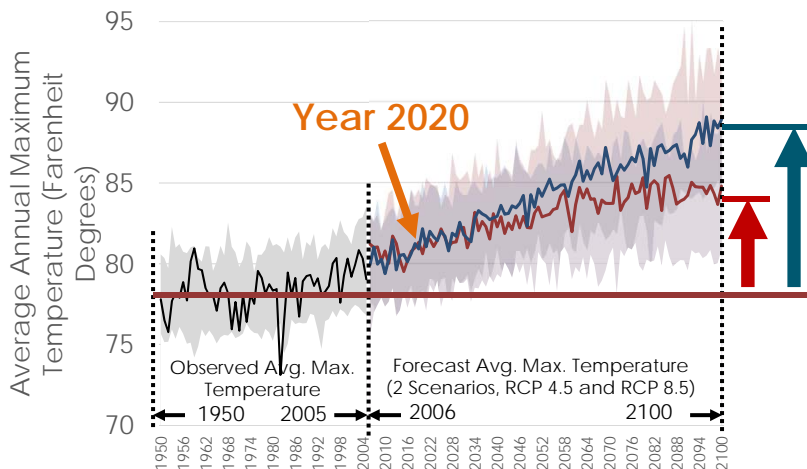


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RIVERSIDE AVERAGE ANNUAL MAX TEMP.

Average Annual Maximum Temperature for Riverside, California
Observed (1950 - 2005) | Average of Modeled (RCP 4.5 and RCP 8.5 2006-2100)



By 2100

Average Annual Maximum Temperature

Increases 5-8° F

Data Source: California Energy Commission, CalAdapt Data: <https://cal-adapt.org/tools/extreme-heat/>

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INCREASING EXTREMES IN WEATHER

	Average Hottest Day	Number of Days Above 102° F
2005	110° F	15 Days/Year
2100	114°-120° F (+ 4° to 10° F)	60-90 Days/Year

Additionally:

1. Duration and depth of drought;
2. Intensity of extreme precipitation; and
3. More days needing air conditioning and fewer days requiring heat.

Data Source: California Energy Commission, CalAdapt Data: <https://caladapt.org/tools/>



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CLIMATE CHANGE = THREAT MULTIPLIER



Wildfire



Air Pollution



Flooding



Drought



Vector-Borne Diseases



Health & Finance



Note: The term, "Threat Multiplier" was coined by the Department of Defense in reference to climate change impacts on U.S. Security.

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EXAMPLES OF LOCAL IMPACT



20% of investment portfolio at risk due to climate change impacts



Infrastructure and fire costs increase with extreme weather



Disadvantaged communities disproportionately impacted with increasing costs



Every 10 days businesses are closed, 1 in 5 small business does not reopen

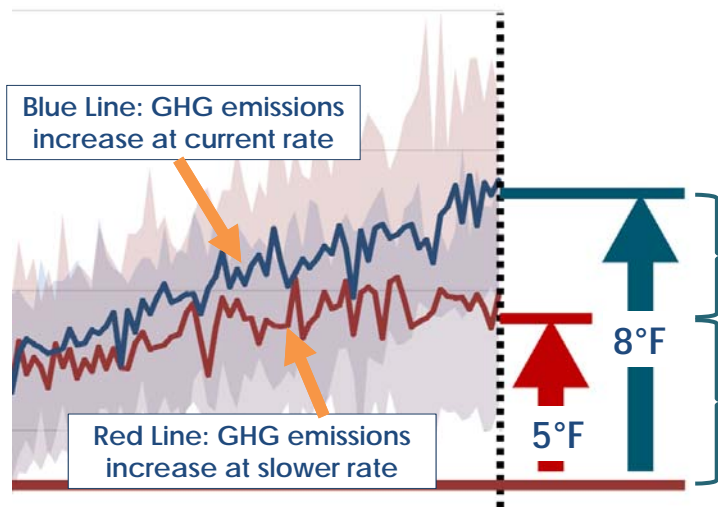


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ACTIONS AND DIRECTION THAT CAN BE TAKEN



1. **Resiliency:** Effective recovery from the extremes – financial and physical
2. **Mitigation:** Reducing emissions to reduce impacts
3. **Adaptation:** Addressing unavoidable impacts



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STATE OF CALIFORNIA'S CHANGING LAWS

1. Renewable Portfolio Standard | 60% Renewables by 2030
2. Clean Energy Standard | 100% GHG-free Emissions by 2045
3. Increased emphasis on reduced and emissions free transportation by 2030
4. Anticipating clean-fleets rules by the end of the year
5. California Green Building Code
6. State Water Resources Control Board | Measuring maximum contaminant level at parts per trillion
7. Regulations for land use and waste are also increasing



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NATIONAL BEST PRACTICES

A sustainability focus provided solutions for these three cities



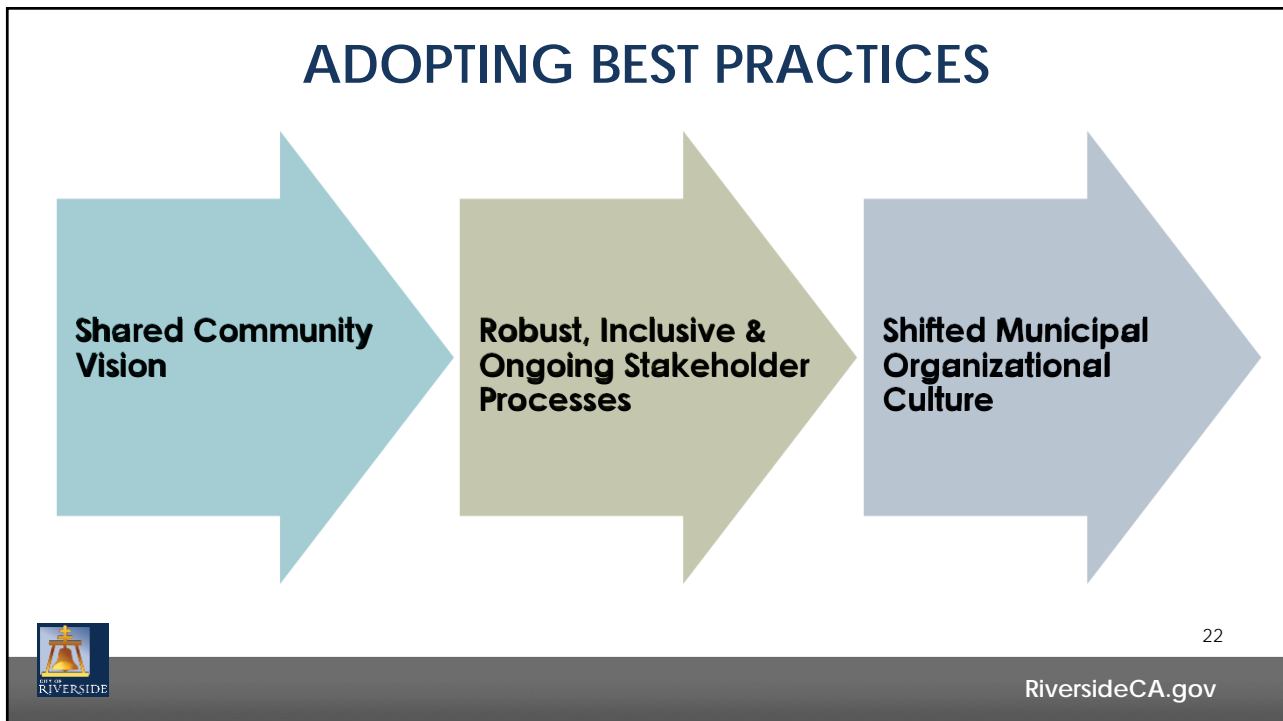
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ALIGNMENT FOR A SHARED VISION

	Model City Vision Statements	Model City Indicators
Economic Prosperity	Promote a place where people of diverse talents choose to live, work, learn and play, and where a healthy, sustainable economy thrives and reflects community values.	<ul style="list-style-type: none"> • Housing affordability • Per capita & Household income • Percent poverty • New businesses • Infrastructure investments
Social Responsibility	Provide a safe and sound living environment, support quality and diverse neighborhoods, and foster equity and the social health of all.	<ul style="list-style-type: none"> • Community involvement • Parks and trails • Educational attainment • Health and safety
Environmental Stewardship	Promote, protect, and enhance a healthy and sustainable environment.	<ul style="list-style-type: none"> • Air and water quality • Acres of productive agriculture • GHG emissions • Waste reduction • Climate resiliency • Green infrastructure



STAKEHOLDER PROCESS TO ALIGN VISION

City, Community, Subject Matter Experts





- Elected Officials
- Boards
- Commissions
- Staff
- Residents
- Businesses
- Neighborhood Assoc.
- Non-profits
- Educational Institutions
- Health Care
- Other Government

Community-wide Representation ⌘ Address Barriers
 Hard-to-Reach Groups ⌘ Shared Knowledge
 Formalized Stakeholder Processes



A CULTURE OF SUSTAINABILITY

Integrate sustainability triple-bottom line into everything the City does

-  Leadership and Organizational Culture
-  Staffing & Technical Capacity
-  Stakeholder Engagement & Partnership
-  Operations and Institutionalize Processes



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IDENTIFY A PATH FORWARD

	Business As Usual	Best Practice	Recommended Phase-In
Shared Vision & Needs	<ol style="list-style-type: none"> 1. Silo type approaches 2. Address challenges independently 3. Reactive and ad hoc 	<ol style="list-style-type: none"> 1. Vision is at forefront and driving decision-making 2. Continuous Improvement 3. Integrated into community culture 	<ol style="list-style-type: none"> 1. Process to develop shared vision 2. Proactive needs assessment 3. Raise awareness
Stakeholders	<ol style="list-style-type: none"> 1. Little communication between groups 2. Not coordinated 3. Topical-only involvement 	<ol style="list-style-type: none"> 1. Robust engagement 2. Feedback loops 3. Formalized process 4. Adapts to needs 5. Coordinated efforts 	<ol style="list-style-type: none"> 1. Represent entire community 2. Focused & educational 3. Ongoing 4. Coordinated efforts
Municipal Organization	<ol style="list-style-type: none"> 1. Status Quo 2. Individual champions 3. Current process with minimal adjustment to needs 	<ol style="list-style-type: none"> 1. Focused staff- Sustainability Dept. 2. Integration in all City policy & procedure 3. Measure success with agency-wide metrics 	<ol style="list-style-type: none"> 1. Focused Sustainability Office and Officer 2. Cross-department team & Citywide focus 3. Identify metrics



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RECOMMENDATIONS

That the City Council:

1. Direct staff to comprehensively update the City's sustainability goals and policies to encompass environmental stewardship, social responsibility, and economic prosperity to provide that the City is livable, viable, equitable, and inclusive;
2. Direct the City Manager, or designee, to immediately establish an Office of Sustainability within the City Manager's Office to act as a catalyst for the full development and implementation of sustainability goals, policies and actions; and,



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RECOMMENDATIONS (CONT.)

3. Direct the City Manager, or designee, to repurpose two existing, vacant positions to the positions of Sustainability Officer and a support position to lead the Office of Sustainability and the City's efforts to develop and implement new sustainability goals, policies, and actions.



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