

4 Appendix I – Community Resilience Solutions Database

Solution Classification	Resilience Solution	Resilience Solution Type	Community	Plan	Page #	Strategy ID	Implementation Period
Action Types	Develop an action plan to support the completion of the City's Multiple Species Conservation Plan Preserve.	Biodiversity Conservation	City of San Diego, CA	Climate Resilient SD	77	Policy TNE-1-2	Near to Mid
Action Types	Partner with organizations and individuals for forest and marine habitat preservation	Biodiversity Conservation	City of Port Angeles, WA	Port Angeles Implementation Plan (Addendum to the Climate Resiliency Plan)	19	Strategy EH-1. #15	Short-term (2-4 years)
Action Types	Consult with tree experts to utilize climate-sensitive (adaptable) trees and native species in riparian buffers.	Biodiversity Conservation	City of Port Angeles, WA	Port Angeles Implementation Plan (Addendum to the Climate Resiliency Plan)	20	Strategy EH-2. #18	Early win (1-2 years)
Action Types	Incentivize the use of native plants in landscaping within the City in residential, commercial, and industrial settings, such as through partnerships with the County, Clallam Conservation District, and Lower Elwha Klallam Tribe's Natural Resources Department.	Biodiversity Conservation	City of Port Angeles, WA	Port Angeles Implementation Plan (Addendum to the Climate Resiliency Plan)	20	Strategy EH-2. #22	Mid-term (4-6 years)
Action Types	Collaborate with local ecological restoration partners, such as Clallam County Streamkeepers, to monitor and analyze climate change impacts at salmon stream restoration sites and six creeks in the City, utilizing the Habitat Recovery Pilot Program to support restoration efforts.	Biodiversity Conservation	City of Port Angeles, WA	Port Angeles Implementation Plan (Addendum to the Climate Resiliency Plan)	21	Strategy EH-2. #23	Early win (1-2 years)
Action Types	Reduce land-based pollutants that enhance acidification in marine waters.	Biodiversity Conservation	City of Port Angeles, WA	Port Angeles Implementation Plan (Addendum to the Climate Resiliency Plan)	21	Strategy EH-2. #24	Long-term (6+ years)
Action Types	Replace undersized culverts to anticipate climate-influenced runoff events and renovate outdated culverts to support fish populations.	Biodiversity Conservation	City of Port Angeles, WA	Port Angeles Implementation Plan (Addendum to the Climate Resiliency Plan)	21	Strategy EH-2. #25	Long-term (6+ years)
Action Types	Revise the zoning code to support climate-ready buildings.	Building Codes and Related Policies	City of Boston, MA	Climate Ready Boston	135	INITIATIVE 9-2	Start now and complete within 5 years
Action Types	Promote climate readiness for projects in the development pipeline.	Building Codes and Related Policies	City of Boston, MA	Climate Ready Boston	137	INITIATIVE 9-3	Start now and complete within 2 years
Action Types	Pursue state building code amendments to promote climate readiness.	Building Codes and Related Policies	City of Boston, MA	Climate Ready Boston	137	INITIATIVE 9-4	Start now and complete within 5 years
Action Types	Incorporate future climate conditions into area plans.	Building Codes and Related Policies	City of Boston, MA	Climate Ready Boston	138	INITIATIVE 9-5	Start now and complete within 5 years

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Action Types	Develop resilient design guidelines or modify zoning, permitting processes, and standards to support smart, sustainable, resilient development and reduce exposure to climate change hazards.	Building Codes and Related Policies	City of San Diego, CA	Climate Resilient SD	67	Policy CI-2-2	Near
Action Types	Facilitate updates to zoning codes, building codes and animal regulations to allow for urban agriculture	Building Codes and Related Policies	Kansas City Region	KC Regional Climate Action Plan	122	FA 2.4	3-year
Action Types	Disincentivize building in high-risk areas prone to erosion, landslide, and flooding (e.g., marine bluff toe, bluff crests). Add filing to property records to document potential climate-related risks to property and on-site development, and financially prepare for development that may still continue in high-risk areas.	Building Codes and Related Policies	City of Port Angeles, WA	Port Angeles Implementation Plan (Addendum to the Climate Resiliency Plan)	30	Strategy BE-2.#46	Early win (1-2 years)
Action Types	Develop policies that are in line with Peril of Flood (SB 1094) legislation that discourages increase building density in the 100-year floodplain, the Coastal Construction Control Line (CCCL), areas vulnerable to at least a Category 2 storm surge and the 2070 USACE High Projection Rate Curve for sea level rise.	Building Codes and Related Policies	City of Cape Canaveral, FL	Resilient Cape Canaveral Action Plan	66	Preparedness Target 33	5 years
Action Types	Explore amendments to the City Code that would allow for elevated or floodable development with living spaces that are higher off the ground.	Building Codes and Related Policies	City of Cape Canaveral, FL	Resilient Cape Canaveral Action Plan	66	Preparedness Target 34	5 years
Action Types	Explore amendments to the City Code of Ordinances to mandate enhanced onsite stormwater retention, aiming to reduce stormwater runoff through Low Impact Development (LID) techniques.	Building Codes and Related Policies	City of Cape Canaveral, FL	Resilient Cape Canaveral Action Plan	67	Preparedness Target 35	5 years
Action Types	Create climate-resilient design codes and standards for residential, commercial and institutional, and industrial buildings, including standards for landscaping (e.g., tree canopy, green infrastructure) and architecture (e.g., passive design to support thermal comfort and air quality).	Building Codes and Related Policies	City of Tucson, AZ	Tucson Resilient Together	128	CR-2.5	1-5 years
Action Types	Create climate-resilient design codes for buildings with a focus on energy efficiency, including but not limited to specifications for low-income weatherization, air conditioning, and enhanced filtration for wildfire smoke.	Building Codes and Related Policies	City of Tucson, AZ	Tucson Resilient Together	128	CR-2.6	1-5 years
Action Types	Collaborate with other Arizona cities to pursue funding to develop regional energy code standards (including mandatory and voluntary energy reach codes) that promote highly energy efficient and/or zero-emission buildings in new construction.	Building Codes and Related Policies	City of Tucson, AZ	Tucson Resilient Together	91	E-2.2	Ongoing
Planning Elements	Update Boston-area climate projections periodically.	Climate Change Assessment and Analysis	City of Boston, MA	Climate Ready Boston	84	INITIATIVE 1-1	Initiate within a 5-year timeframe and maintain continuity for the long-term

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Planning Elements	Continue to collect important asset and hazard data for planning purposes	Climate Change Assessment and Analysis	City of Boston, MA	Climate Ready Boston	120	INITIATIVE 6-2	Initiate within a 2-year timeframe and maintain continuity for the long-term
Planning Elements	Collaborate with Clallam County and the North Olympic Development Council to assess the impact of sea level rise on City assets, encompassing roads, infrastructure, and marine access, to evaluate vulnerability and plan for potential risks.	Climate Change Assessment and Analysis	City of Port Angeles, WA	Port Angeles Implementation Plan (Addendum to the Climate Resiliency Plan)	14	Strategy CRW-1.#6	Early win (1-2 years)
Planning Elements	Create a tool to evaluate vulnerability of City assets, projects, and activities, integrating it into City workflow, including permits and expenditures, as well as updates of the Hazard Mitigation Plan and Capital Facilities Plan.	Climate Change Assessment and Analysis	City of Port Angeles, WA	Port Angeles Implementation Plan (Addendum to the Climate Resiliency Plan)	15	Strategy CRW-1.#8	Mid-term (4-6 years)
Planning Elements	Expand the Washington State Department of Transportation climate vulnerability assessment to include non-state roads and other transportation systems to ensure that transportation investments are resilient to future climate impacts.	Climate Change Assessment and Analysis	City of Port Angeles, WA	Port Angeles Implementation Plan (Addendum to the Climate Resiliency Plan)	27	Strategy T-2 #38	N/A
Action Types	Update the City's Local Coastal Program to include considerations for sea level rise, encompassing coastal flooding and erosion, consistent with State guidance documents and the draft policies outlined in the Draft Local Coastal Program Policies	Coastal Management	City of San Diego, CA	Climate Resilient SD	81	Policy TNE-5-1	Mid
Action Types	For city-owned properties and leaseholds, consider rolling easements to establish a development boundary that moves inward as sea level rises along the shoreline.	Coastal Management	City of San Diego, CA	Climate Resilient SD	81	Policy TNE-5-2	Long
Action Types	Update the Coastal Erosion Assessment regularly to identify current conditions of coastline bluffs, beaches, access stairs, ramps, outfalls, seawalls or other related infrastructure.	Coastal Management	City of San Diego, CA	Climate Resilient SD	81	Policy TNE-5-3	Near, Ongoing
Action Types	Utilize adaptive pathways for coastline planning, which involve a series of adaptation strategies over time, taking into account uncertainty and future risks, and incorporate an economic analysis to assess the efficiency and effectiveness of these strategies over time.	Coastal Management	City of San Diego, CA	Climate Resilient SD	81	Policy TNE-5-4	Mid
Action Types	Pursue alternatives for more resilient existing coastal development in high-risk areas prone to erosion, landslide, and flooding. For example, both development at the top of the bluff and marine bluff toe are affected by erosive activities, including undercutting from sea level rise, wave action, and extreme weather events.	Coastal Management	City of Port Angeles, WA	Port Angeles Implementation Plan (Addendum to the Climate Resiliency Plan)	30	Strategy BE-2.#47	Short-term (2-4 years)

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Action Types	Encourage soft armoring of shorelines to protect infrastructure and habitat, particularly along Ediz Hook, and implement native vegetation and other natural resource management practices to reduce landslides and coastal erosion.	Coastal Management	City of Port Angeles, WA	Port Angeles Implementation Plan (Addendum to the Climate Resiliency Plan)	20	Strategy EH-2. #20	Mid-term (4-6 years)
Action Types	Incorporate climate change more explicitly into the Shoreline Master Program and prioritize net ecological gain when possible for City projects.	Coastal Management	City of Port Angeles, WA	Port Angeles Implementation Plan (Addendum to the Climate Resiliency Plan)	20	Strategy EH-2. #21	Ongoing
Action Types	Evaluate and address sea level rise in local clean-up sites.	Coastal Management	City of Port Angeles, WA	Port Angeles Implementation Plan (Addendum to the Climate Resiliency Plan)	21	Strategy EH-3 #27	Early win (1-2 years)
Action Types	Conduct cost-benefit analysis of shoreline armor repairs along Olympic Discovery Trail, Hill Street West, and both sides of Ediz Hook. Address concerns related to Native American burial remains on the shoreline.	Coastal Management	City of Port Angeles, WA	Port Angeles Implementation Plan (Addendum to the Climate Resiliency Plan)	22	Strategy EH-3 #28	Early win (1-2 years)
Action Types	Repair the boat launch at Ediz Hook, incorporating sea level rise and coastal storm projections to ensure resilience to future conditions.	Coastal Management	City of Port Angeles, WA	Port Angeles Implementation Plan (Addendum to the Climate Resiliency Plan)	22	Strategy EH-3 #29	Long-term (6+ years)
Action Types	Dredge and strengthen the Central/Canaveral Ditch to improve erosion control and increase capacity while creating shoreline stabilization and improved stormwater management.	Coastal Management	City of Cape Canaveral, FL	Resilient Cape Canaveral Action Plan	83	Preparedness Target 53	30 years
Action Types	Research and implement climate-resilient engineering solutions such as wave attenuation devices, sea walls and berms in conjunction with green infrastructure around the perimeter of the City's Water Reclamation Facility.	Coastal Management	City of Cape Canaveral, FL	Resilient Cape Canaveral Action Plan	84	Preparedness Target 55	30 years
Planning Elements	Launch a climate-ready buildings education program for property owners and users.	Community Engagement	City of Boston, MA	Climate Ready Boston	90	INITIATIVE 2-2	Initiate within a 2-year timeframe and maintain continuity for the long-term
Planning Elements	Prioritize the use of minority- and women-owned businesses for resilience projects.	Community Engagement	City of Boston, MA	Climate Ready Boston	96	INITIATIVE 3-3	Initiate within a 2-year timeframe and maintain continuity for the long-term
Planning Elements	Establish local climate resilience committees to serve as long-term community partners for climate adaptation.	Community Engagement	City of Boston, MA	Climate Ready Boston	102	INITIATIVE 4-2	Start now and complete over the long-term with a specific deadline

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Planning Elements	Implement citywide climate readiness workshops and comprehensive climate education programs to engage residents with staff and experts on environmental resilience and local initiative	Community Engagement	City of Boston, MA / City of Cape Canaveral, FL / City of Port Angeles, WA	Climate Ready Boston / Resilient Cape Canaveral Action Plan / Port Angeles Implementation Plan (Addendum to the Climate Resiliency Plan)	88 / 72 / 15	INITIATIVE 2-1 / Preparedness Target 40 / Strategy CRW-1. #9	Initiate within a 2-year timeframe and maintain continuity for the long-term / current / Early win (1-2 years)
Planning Elements	Explore varied approaches and platforms, including arts and culture, to engage people in conversations, learning, and actions related to climate change and the environment, incorporating creative content, events, and public art to support plan implementation.	Community Engagement	City of San Diego, CA	Climate Resilient SD	69	Policy CI-4-1	Mid
Planning Elements	Develop a cultural plan that connects arts and culture with City sustainability and resiliency goals.	Community Engagement	City of San Diego, CA	Climate Resilient SD	69	Policy CI-4-2	Mid
Planning Elements	Practice proactive and robust decision-making for cultural resources by utilizing modeling and scenario planning to understand likely future impacts of climate change on individual resources. Identify intervention options to mitigate impacts and implement measures promptly to maximize preservation efforts.	Community Engagement	City of San Diego, CA	Climate Resilient SD	75	Policy HTC-1	Mid
Planning Elements	Coordinate resiliency planning with tribal groups and representatives, fostering greater collaboration with tribes and opportunities for partnerships.	Community Engagement	City of San Diego, CA	Climate Resilient SD	75	Policy HTC-2	Near, Ongoing
Planning Elements	Research, write and share climate stories, particularly related to historic and tribal cultural resources.	Community Engagement	City of San Diego, CA	Climate Resilient SD	75	Policy HTC-3	Mid
Planning Elements	Incorporate climate change impacts into historic and tribal cultural resources planning. Develop and implement a cultural resources management plan aimed at reducing stress and minimizing exposure of historic, archaeological, and tribal cultural resources to climate change impacts.	Community Engagement	City of San Diego, CA	Climate Resilient SD	76	Policy HTC-4	Mid
Planning Elements	Work with Office of Race and Equity to ensure need and priorities of residents in Communities of Concern are reflected in plan implementation.	Community Engagement	City of San Diego, CA	Climate Resilient SD	70	Policy RE-1-3	Near, Ongoing
Planning Elements	Explore opportunities and programs to increase access to healthy food markets, farmer's markets, and other local food networks, particularly for low-income residents and families.	Community Engagement	City of San Diego, CA	Climate Resilient SD	71	Policy RE-2-2	Near to Mid
Planning Elements	Cultivate leadership and environmental stewardship in San Diego's youth, considering partnerships with local schools and universities, focused internship programs, and leadership opportunities.	Community Engagement	City of San Diego, CA	Climate Resilient SD	73	Policy RE-4-1	Near, Ongoing

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Planning Elements	Create principles for meaningful, equitable community engagement. Identify ways to remove barriers to participation.	Community Engagement	City of San Diego, CA	Climate Resilient SD	73	Policy RE-4-2	Near
Planning Elements	Support community-centered resilience action by partnering with community-based organizations to promote preparedness and response actions.	Community Engagement	City of San Diego, CA	Climate Resilient SD	74	Policy RE-5-1	Near, Ongoing
Planning Elements	Complete inventory of open space and community park plans to identify needs as related to climate change impacts.	Community Engagement	City of San Diego, CA	Climate Resilient SD	78	Policy TNE-2-4	Near
Planning Elements	Develop a comprehensive climate adaptation community outreach program. Conduct community outreach through various methods and in multiple languages to share climate change and climate adaptation information and resources with communities.	Community Engagement	City of San Diego, CA	Climate Resilient SD	66	Policy: CI-1-1	Near, Ongoing
Planning Elements	Develop a network of climate leaders and ambassadors at all levels	Community Engagement	Kansas City Region	KC Regional Climate Action Plan	58	CL-2.1	3 years
Planning Elements	Develop an engagement strategy, convene equity partners, and develop an engagement resource team and identify funding to assist communities	Community Engagement	Kansas City Region	KC Regional Climate Action Plan	136	CR-1.1	1-year
Planning Elements	Develop a strategy for climate resilience communications, outreach and education.	Community Engagement	Kansas City Region	KC Regional Climate Action Plan	137	CR-2.1	1-year
Planning Elements	Support the development of a virtual hub for climate change education and resilience resources	Community Engagement	Kansas City Region	KC Regional Climate Action Plan	138	CR-3.1	3-year
Planning Elements	Build collaborative relationships with public and private healthcare organizations to better educate and serve residents	Community Engagement	Kansas City Region	KC Regional Climate Action Plan	139	CR-3.2	5-year
Planning Elements	Tie climate action to existing accelerators and incubators	Community Engagement	Kansas City Region	KC Regional Climate Action Plan	89	FI-2.2	Underway/1-3-year
Planning Elements	Support incentives for wireline internet connections to all homes in region with access to low-cost options for connectivity	Community Engagement	Kansas City Region	KC Regional Climate Action Plan	91	FI-3.1	Underway/1-3-year/10-year
Planning Elements	Sustain and promote the City's Kairos Community Garden, ensuring self-sufficiency in resources like water and electricity, to foster community bonds, offer access to nutritional foods, empowering residents as environmental stewards.	Community Engagement	City of Cape Canaveral, FL	Resilient Cape Canaveral Action Plan	73	Prepare dness Target 41	Current
Planning Elements	Create an action plan aligned with the World Health Organization's Global Network of Age-Friendly Cities and Communities, encompassing the eight domains of livability, serving as a framework for policy discussions within AARP's Network of Age-Friendly Communities.	Community Engagement	City of Cape Canaveral, FL	Resilient Cape Canaveral Action Plan	73	Prepare dness Target 42	5 years
Planning Elements	Continue working with promotores (community ambassadors) to maintain ongoing collaboration with community-based organizations as Tucson Resilient Together is implemented.	Community Engagement	City of Tucson, AZ	Tucson Resilient Together	80	G-2.1	Ongoing

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Planning Elements	Develop multilingual, culturally competent climate action toolkits that include information about (a) how to prepare for and respond to climate-related emergencies and stressors and (b) the benefits of building electrification and electric vehicles, and (c) how to procure affordable materials and labor for building retrofits, green infrastructure projects, and more.	Community Engagement	City of Tucson, AZ	Tucson Resilient Together	81	G-3.1	Ongoing
Planning Elements	Develop an annual Resilient Tucson Awards program to recognize achievements by community organizations, businesses, City departments and divisions, students, and/or outstanding community members.	Community Engagement	City of Tucson, AZ	Tucson Resilient Together	81	G-3.2	Ongoing
Planning Elements	Develop accessible educational resources that provide guidance on behavior change that promotes climate change mitigation and adaptation (e.g., adopting plant-based diets, converting from natural gas to electric appliances, planting climate-adapted vegetation, and reducing food loss and waste).	Community Engagement	City of Tucson, AZ	Tucson Resilient Together	81	G-3.3	Ongoing
Planning Elements	Partner with community organizations to run tours of sustainable infrastructure/design projects and provide related public education.	Community Engagement	City of Tucson, AZ	Tucson Resilient Together	81	G-3.4	Ongoing
Planning Elements	Continue existing efforts through school partnerships and the Environmental Education Exchange to develop Tucson-specific climate, sustainability, and conservation curricula for students across all grades.	Community Engagement	City of Tucson, AZ	Tucson Resilient Together	81	G-3.5	Ongoing
Planning Elements	Establish an Infrastructure Coordination Committee (ICC), consisting of key private and public infrastructure owners and operators to set design standards and track investments in climate resilient infrastructure.	Driving Investment	City of Boston, MA	Climate Ready Boston	118	INITIATIVE 6-1	Initiate within a 2-year timeframe and maintain continuity for the long-term
Planning Elements	Explore proven financing tools and emerging grant opportunities to fund resilience focused projects.	Driving Investment	City of San Diego, CA	Climate Resilient SD	90	Policy CCS-6-1	Near, Ongoing
Planning Elements	Ensure the Capital Improvement Program incorporates climate resilience and equity considerations by integrating the Climate Equity Index, climate change hazard maps, and projections into capital project planning.	Driving Investment	City of San Diego, CA	Climate Resilient SD	70	Policy RE-1-1	Near, Ongoing
Planning Elements	Utilize Climate Equity Fund and other funding sources to direct investments to resilience projects in Communities of Concern.	Driving Investment	City of San Diego, CA	Climate Resilient SD	70	Policy RE-1-2	Near, Ongoing
Planning Elements	Explore opportunities for neighborhood microgrants to fund community-driven projects that enhance community resilience and foster community connections.	Driving Investment	City of San Diego, CA	Climate Resilient SD	74	Policy RE-5-4	Mid
Planning Elements	Increase investment in a citywide public outreach and education campaign to enhance public awareness of water quality matters.	Driving Investment	City of San Diego, CA	Climate Resilient SD	66	Policy: CI-1-2	Near to Mid

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Planning Elements	Develop innovative financing solutions to support local climate initiatives/green bank	Driving Investment	Kansas City Region	KC Regional Climate Action Plan	86	FI-1.1	3/10/30-year
Planning Elements	Actively conduct business development and marketing to utilize existing financial tools and incentives	Driving Investment	Kansas City Region	KC Regional Climate Action Plan	87	FI-1.2	Underway/1-3-year
Planning Elements	Evaluate how carbon pricing contributes to equity and resilience outcomes and include a transparent carbon price in City procurement decisions.	Driving Investment	City of Port Angeles, WA	Port Angeles Implementation Plan (Addendum to the Climate Resiliency Plan)	13	Strategy CRW-1.#1	Short-term (2-4 years)
Planning Elements	Create an internal carbon tax for City departments that is informed by the City's emissions portfolio.	Driving Investment	City of Tucson, AZ	Tucson Resilient Together	90	E-1.2	5-10 years
Planning Elements	Establish a Revolving Loan Fund (RLF) to support small businesses with financing decarbonization projects, including solar and energy efficiency projects.	Driving Investment	City of Tucson, AZ	Tucson Resilient Together	91	E-2.3	Ongoing
Planning Elements	Prepare municipal facilities for climate change.	Emergency Preparedness	City of Boston, MA	Climate Ready Boston	142	INITIATIVE 10-2	Initiate within a 2-year timeframe and maintain continuity for the long-term
Planning Elements	Conduct outreach to facilities that serve vulnerable populations to support preparedness and adaptation.	Emergency Preparedness	City of Boston, MA	Climate Ready Boston	92	INITIATIVE 2-3	Initiate within a 5-year timeframe and maintain continuity for the long-term
Planning Elements	Expand Boston's small business preparedness program.	Emergency Preparedness	City of Boston, MA	Climate Ready Boston	94	INITIATIVE 2-5	Start now and complete within 5 years
Planning Elements	Provide guidance on priority evacuation and service road infrastructure to the ICC.	Emergency Preparedness	City of Boston, MA	Climate Ready Boston	121	INITIATIVE 6-3	Initiate within a 2-year timeframe and maintain continuity for the long-term
Planning Elements	Identify critical transportation network elements and create emergency transportation alternatives and detours for vulnerable routes. Prioritize corridors that act as evacuation routes or provide access to critical facilities.	Emergency Preparedness	City of San Diego, CA	Climate Resilient SD	83	Policy CCS-1-1	Near to mid
Planning Elements	Build redundancy and/or backup resources available to support critical operations and services during an emergency event.	Emergency Preparedness	City of San Diego, CA	Climate Resilient SD	87	Policy CCS-4-2	Near, Ongoing
Planning Elements	Implement a knowledge transfer and training program to ensure that natural hazard response procedures are not lost with staff turnover.	Emergency Preparedness	City of San Diego, CA	Climate Resilient SD	87	Policy CCS-4-3	Near, Ongoing
Planning Elements	Create a web map for the primary climate change hazard. Update the City's geographic information system database as the best available science for climate change projections and State guidance is updated.	Emergency Preparedness	City of San Diego, CA	Climate Resilient SD	87	Policy CCS-4-4	Near, Ongoing
Planning Elements	Create a City tracking system to monitor the cost of climate change hazard impacts and responses.	Emergency Preparedness	City of San Diego, CA	Climate Resilient SD	89	Policy CCS-5-1	Mid

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Planning Elements	Develop a post-hazard tracking system to collect post-event cost data for events that are both above and below the national hazard declaration threshold. Track in a shared asset management database for climate change hazard-related cost impacts.	Emergency Preparedness	City of San Diego, CA	Climate Resilient SD	89	Policy CCS-5-2	Near, Ongoing
Planning Elements	Expand and amplify wayfinding and public outreach campaigns for wildfire response, support community preparedness with focused public outreach, and consider the needs of those without car access or with additional accessibility requirements.	Emergency Preparedness	City of San Diego, CA	Climate Resilient SD	67	Policy CI-2-4	Near, Ongoing
Planning Elements	Develop workforce preparedness training opportunities and programs to quickly restore essential City services.	Emergency Preparedness	City of San Diego, CA / City of Tucson, AZ	Climate Resilient SD / Tucson Resilient Together	87 / 131	Policy CCS-4-1 / CR-4.4	Near, Ongoing / Ongoing
Planning Elements	Incorporate resilient infrastructure design into emergency planning and preparedness	Emergency Preparedness	Kansas City Region	KC Regional Climate Action Plan	140	CR-4.1	3-year
Planning Elements	Participate in the Federal Emergency Management Agency's (FEMA's) Community Rating System.	Emergency Preparedness	City of Port Angeles, WA	Port Angeles Implementation Plan (Addendum to the Climate Resiliency Plan)	15	Strategy CRW-1.#7	Mid-term (4-6 years)
Planning Elements	Implement key provisions of the 2019 Hazard Mitigation Plan, including promoting FireWise building design, developing alternate water supplies, establishing advanced warning systems, identifying vulnerable populations for priority assistance, enhancing emergency plans, updating flood assessments, and expanding water efficiency programs.	Emergency Preparedness	City of Port Angeles, WA	Port Angeles Implementation Plan (Addendum to the Climate Resiliency Plan)	17	Strategy CRW-1.#12	Short-term (2-4 years)
Planning Elements	Collaborate with emergency planning partners to integrate climate considerations into planning, conduct city-wide emergency exercises (e.g., Map Your Neighborhood), and establish climate resiliency hubs at key locations	Emergency Preparedness	City of Port Angeles, WA	Port Angeles Implementation Plan (Addendum to the Climate Resiliency Plan)	18	Strategy CRW-1.#14	Mid-term (4-6 years)
Planning Elements	Ensure that all 12 City lift stations have backup power from renewable sources for at least 96 hours of grid-independent operations, complimenting existing diesel assets if necessary.	Emergency Preparedness	City of Cape Canaveral, FL	Resilient Cape Canaveral Action Plan	63	Preparedness Target 30	15 years
Planning Elements	Develop guidelines and/or procedures for emergency response protocols, resource mobilization and availability, and transportation for residents to and from the future resilience hubs.	Emergency Preparedness	City of Tucson, AZ	Tucson Resilient Together	127	CR-1.3	1-5 years
Planning Elements	Work with business organizations, retailers, and small stores to build capacity to sustain neighborhoods and ensure continued operations during and after an extreme climate event or natural disaster.	Emergency Preparedness	City of Tucson, AZ	Tucson Resilient Together	131	CR-4.2	Ongoing

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Planning Elements	Collaborate with community partners to develop mutual aid networks or "buddy" programs to identify vulnerable individuals, check on them during extreme climate or weather events, and connect them to food, water, and other necessities.	Emergency Preparedness	City of Tucson, AZ	Tucson Resilient Together	131	CR-4.3	Ongoing
Planning Elements	Work with Tucson's business community to proactively establish Heat Illness Preparedness Plans and create an advisory group with particular attention to people who work outdoors and within warehouses and other unconditioned buildings.	Emergency Preparedness	City of Tucson, AZ	Tucson Resilient Together	131	CR-4.5	Ongoing
Planning Elements	Pursue additional projects to improve interconnectivity and community-wide resilience, such as expanding broadband access.	Emergency Preparedness	City of Tucson, AZ	Tucson Resilient Together	131	CR-4.6	Ongoing
Planning Elements	Develop workforce preparedness training opportunities and programs to quickly restore essential City services.	Emergency Preparedness	City of Tucson, AZ / City of San Diego, CA	Tucson Resilient Together / Climate Resilient SD	131 / 87	CR-4.3 / Policy CCS-4-1	Ongoing / Near, Ongoing
Action Types	Collaborate with the Air Pollution Control District (APCD) to implement the Community Emissions Reduction Plan (CERP) and AB 617.	Emissions Reduction & Sequestration	City of San Diego, CA	Climate Resilient SD	72	Policy RE-3-3	Near to Mid
Action Types	Become a net zero community through urban- and landscape-scale sequestration projects	Emissions Reduction & Sequestration	Kansas City Region	KC Regional Climate Action Plan	97	CR-3.1	10 years
Action Types	Implement a voluntary carbon offset pilot program to incentivize carbon sequestration on farms and ranches in our region	Emissions Reduction & Sequestration	Kansas City Region	KC Regional Climate Action Plan	117	FA 1.2	3-year
Action Types	Install, expand and maintain landfill gas collection systems	Emissions Reduction & Sequestration	Kansas City Region	KC Regional Climate Action Plan	132	IR-2.1	Ongoing and Long-term
Action Types	Beneficially reuse landfill gas, evaluate quantity and quality of landfill gas, and implement reuse options	Emissions Reduction & Sequestration	Kansas City Region	KC Regional Climate Action Plan	133	IR-2.2	Underway
Action Types	Develop and maintain a municipal GHG emissions inventory that is updated on a minimum two-year basis and aligns with ISO 14064 reporting standards.	Emissions Reduction & Sequestration	City of Tucson, AZ	Tucson Resilient Together	82	G-4.1	0-1 years; annual
Action Types	Initiate City-wide quantification of fugitive emissions to include in municipal GHG inventory, including refrigerants, fire suppression systems, methane leakage, and other sources, and identify low global warming potential (GWP) substitutes where available.	Emissions Reduction & Sequestration	City of Tucson, AZ	Tucson Resilient Together	82	G-4.2	0-1 years; annual
Action Types	Determine which Scope 3 emissions to include and monitor in municipal GHG inventories and integrate strategies to reduce Scope 3 emissions into future plan updates (e.g., Central Arizona Project, employee commuting, waste, and business air travel for City employees, etc.)	Emissions Reduction & Sequestration	City of Tucson, AZ	Tucson Resilient Together	82	G-4.3	0-1 years; annual
Action Types	Coordinate with the Pima Association of Governments to accurately calculate and co-monitor community-wide emissions.	Emissions Reduction & Sequestration	City of Tucson, AZ	Tucson Resilient Together	82	G-4.4	0-1 years; annual

Solution Classification	Resilience Solution	Resilience Solution Type	Community	Plan	Page #	Strategy ID	Implementation Period
Action Types	Develop a consumption-based inventory that estimates GHG emissions from the local consumption of goods and services.	Emissions Reduction & Sequestration	City of Tucson, AZ	Tucson Resilient Together	82	G-4.5	0-1 years; annual
Planning Elements	Pursue inclusive hiring and living wages for resilience projects.	Encouraging green Industry, business practices, and workforce	City of Boston, MA	Climate Ready Boston	95	INITIATIVE 3-2	Initiate within a 2-year timeframe and maintain continuity for the long-term
Planning Elements	Support green workforce development programs, identify gaps for new programs	Encouraging green Industry, business practices, and workforce	City of Boston, MA / Kansas City Region	Climate Ready Boston / KC Regional Climate Action Plan	95 / 88	INITIATIVE 3-1 / FI-2.1	Start within 2 years and complete within 5 years / Underway/1-3-year
Planning Elements	Provide career pathways in green jobs, including energy retrofits, cool roof installations, and tree planting and maintenance.	Encouraging green Industry, business practices, and workforce	City of Boston, MA	Heat Resilience Solutions for Boston	218	4.3	From year 3 to year 5 & onwards
Planning Elements	Encourage green industries in the City through sustainability initiatives, promoting best practices, and supporting local businesses aims to diversify the economy, create 21st-century jobs, and foster innovation.	Encouraging Green Industry, Business Practices, and Workforce	City of Cape Canaveral, FL	Resilient Cape Canaveral Action Plan	41	Preparedness Target 1	Current
Planning Elements	Promote local clean energy industry jobs for residential and commercial projects, including City facilities, and engage the Community on clean energy programs that are available to property owners.	Encouraging Green Industry, Business Practices, and Workforce	City of Cape Canaveral, FL	Resilient Cape Canaveral Action Plan	41	Preparedness Target 2	Current
Planning Elements	Promote green business practices within the community through the City's online platforms, social media, events, and the Weekly Update, aiming to educate local business leaders, targeting an annual reach of at least 500 individuals.	Encouraging Green Industry, Business Practices, and Workforce	City of Cape Canaveral, FL	Resilient Cape Canaveral Action Plan	42	Preparedness Target 3	Current
Planning Elements	Promote and develop attractions for ecotourism in Cape Canaveral to leverage the natural beauty of the surroundings, with a focus on preserving the city's natural areas.	Encouraging Green Industry, Business Practices, and Workforce	City of Cape Canaveral, FL	Resilient Cape Canaveral Action Plan	42	Preparedness Target 4	Current
Action Types	Establish a resilience audit program for private property owners.	Energy Efficiency	City of Boston, MA	Climate Ready Boston	138	INITIATIVE 10-1	Start within 5 years and complete over the long-term with a specific deadline
Action Types	Develop a toolkit of building retrofit financing strategies.	Energy Efficiency	City of Boston, MA	Climate Ready Boston	143	INITIATIVE 10-4	Start now and complete within 5 years
Action Types	Create guidelines to incorporate heat resilience strategies into future buildings, building retrofits, and their sites.	Energy Efficiency	City of Boston, MA	Heat Resilience Solutions for Boston	247	8.2	year 3
Action Types	Leverage the Climate Action KC Regional Building Energy Exchange serving as a one-stop hub for innovative solutions and emerging trends in the built environment.	Energy Efficiency	Kansas City Region	KC Regional Climate Action Plan	105	BE 2.1	Underway
Action Types	Maximize savings through energy efficiency and healthy home programs	Energy Efficiency	Kansas City Region	KC Regional Climate Action Plan	106	BE 2.2	Underway

Solution Classification	Resilience Solution	Resilience Solution Type	Community	Plan	Page #	Strategy ID	Implementation Period
Action Types	Embed energy efficiency and durability in affordable housing efforts	Energy Efficiency	Kansas City Region	KC Regional Climate Action Plan	107	BE 2.3	Underway
Action Types	Adopt building health and performance standards and local government enforcement strategies, including IECC and National Healthy Housing Standard	Energy Efficiency	Kansas City Region	KC Regional Climate Action Plan	108	BE 2.4	Underway
Action Types	Utilize Pay-As-You-Save (PAYS) financing options to eliminate the barrier of upfront costs for energy efficiency upgrades, particularly benefiting tenants in multifamily residential units.	Energy Efficiency	Kansas City Region	KC Regional Climate Action Plan	110	BE 3.1	Underway
Action Types	Implement the Missouri Energy Efficiency Investment Act (MEEIA) and the Kansas Energy Efficiency Investment Act (KEEIA)	Energy Efficiency	Kansas City Region	KC Regional Climate Action Plan	111	BE 3.2	Underway
Action Types	Adopt an Energy Efficiency Resource Standard (EERS)	Energy Efficiency	Kansas City Region	KC Regional Climate Action Plan	112	BE 3.3	3-year
Action Types	Expand implementation of Property-Assessed Clean Energy (PACE) projects	Energy Efficiency	Kansas City Region	KC Regional Climate Action Plan	113	BE 3.4	Underway
Action Types	Develop and employ a building performance standard beginning with energy benchmarking, and adopt commercial energy efficiency programming and incentives.	Energy Efficiency	Kansas City Region	KC Regional Climate Action Plan	102	BE-1.1	Underway
Action Types	Implement energy efficiency and renewable energy strategies at schools, universities, nonprofit organizations and libraries	Energy Efficiency	Kansas City Region	KC Regional Climate Action Plan	104	BE-1.3	Underway
Action Types	Ensure that all City owned buildings are at least LEED Silver equivalent upon new construction or redevelopment.	Energy Efficiency	Kansas City Region / City of Cape Canaveral, FL	KC Regional Climate Action Plan / Resilient Cape Canaveral Action Plan	103 / 68	BE-1.2 / Preparedness Target 38	Underway / 30 years
Action Types	Ensure that all City owned buildings are at least LEED Silver equivalent upon new construction or redevelopment.	Energy Efficiency	Kansas City Region / City of Cape Canaveral, FL	KC Regional Climate Action Plan / Resilient Cape Canaveral Action Plan	103 / 68	BE-1.2 / Preparedness Target 38	Underway / 30 years
Action Types	Incentivize redevelopments to include energy-efficient retrofits, such as weatherization and energy-efficient appliances, while avoiding the split incentive. Prioritize based on conservation potential and the ability to alleviate financial stress for those who are energy-burdened.	Energy Efficiency	City of Port Angeles, WA	Port Angeles Implementation Plan (Addendum to the Climate Resiliency Plan)	28	Strategy BE-1. #39	Short-term (2-4 years)
Action Types	Incentivize homeowners to switch heating sources from wood-burning stoves and propane to high-efficiency electrical heaters and other less carbon-intensive sources, potentially including incentives for active and passive solar building design. Leverage existing Bonneville Power Administration programs (e.g., energy efficiency incentives) and state and federal funding sources.	Energy Efficiency	City of Port Angeles, WA	Port Angeles Implementation Plan (Addendum to the Climate Resiliency Plan)	28	Strategy BE-1. #40	Short-term (2-4 years)

Solution Classification	Resilience Solution	Resilience Solution Type	Community	Plan	Page #	Strategy ID	Implementation Period
Action Types	Eliminate barriers that prevent the use of low-impact development techniques and best management practices, such as vegetated roofs, permeable pavement, straw-bale homes, tiny homes, and bioretention, while maintaining safety and aesthetic quality in the building process (e.g., work with financial institutions to lower barriers to non-traditional, green building practices; incentivize owner-built projects).	Energy Efficiency	City of Port Angeles, WA	Port Angeles Implementation Plan (Addendum to the Climate Resiliency Plan)	29	Strategy BE-1. #43	Mid-term (4-6 years)
Action Types	Develop green incentive programs for residential and commercial development.	Energy Efficiency	City of Port Angeles, WA	Port Angeles Implementation Plan (Addendum to the Climate Resiliency Plan)	30	Strategy BE-1. #44	Mid-term (4-6 years)
Action Types	Implement the Housing Action Plan by providing additional (height) floor and increased site coverage for mixed-use projects that provide on or off-site affordable housing units within appropriate land use districts.	Energy Efficiency	City of Port Angeles, WA	Port Angeles Implementation Plan (Addendum to the Climate Resiliency Plan)	16	Strategy CRW-1. #11	Early win (1-2 years)
Action Types	Benchmark energy use of City buildings and facilities using EnergyStar Portfolio Manager.	Energy Efficiency	City of Tucson, AZ	Tucson Resilient Together	90	E-1.1	5-10 years
Action Types	Implement ongoing weatherization and commissioning (building tune-ups).	Energy Efficiency	City of Tucson, AZ	Tucson Resilient Together	90	E-1.3	5-10 years
Action Types	Utilize an energy services company (ESCO) to rapidly but strategically implement energy efficiency measures and equipment in City-owned buildings, and ongoing energy management.	Energy Efficiency	City of Tucson, AZ	Tucson Resilient Together	90	E-1.5	5-10 years
Action Types	Partner with the private sector to implement a home energy audit and retrofit program for Tucson residents, with a priority for low-income families and homeowners.	Energy Efficiency	City of Tucson, AZ	Tucson Resilient Together	91	E-2.1	Ongoing
Action Types	Identify and utilize partnerships, funding, and incentives for new and existing buildings to replace gas-powered systems and appliances with electric-powered alternatives.	Energy Efficiency	City of Tucson, AZ	Tucson Resilient Together	91	E-2.4	Ongoing
Action Types	Develop a net zero accelerator program that is designed to provide building and property owners with direct training, guidance, and resources to improve energy efficiency and reduce carbon emissions from buildings.	Energy Efficiency	City of Tucson, AZ	Tucson Resilient Together	91	E-2.5	Ongoing
Action Types	Evaluate the current flood insurance landscape.	Flooding Management	City of Boston, MA	Climate Ready Boston	145	INITIATIVE 11-1	Start within 2 years and complete within 5 years
Action Types	Join the National Flood Insurance Program Community Rating System.	Flooding Management	City of Boston, MA	Climate Ready Boston	145	INITIATIVE 11-2	Start within 2 years and complete within 5 years
Action Types	Advocate for reform in the National Flood Insurance Program.	Flooding Management	City of Boston, MA	Climate Ready Boston	146	INITIATIVE 11-3	Start within 2 years and complete within 5 years
Action Types	Establish flood protection overlay districts and require potential integration with flood protection.	Flooding Management	City of Boston, MA	Climate Ready Boston	106	INITIATIVE 5-1	Start now and complete within 5 years

Solution Classification	Resilience Solution	Resilience Solution Type	Community	Plan	Page #	Strategy ID	Implementation Period
Action Types	Determine a consistent evaluation framework for flood protection system prioritization.	Flooding Management	City of Boston, MA	Climate Ready Boston	106	INITIATIVE 5-2	Start now and complete within 5 years
Action Types	Prioritize and study the feasibility of district-scale flood protection.	Flooding Management	City of Boston, MA	Climate Ready Boston	110	INITIATIVE 5-3	Start now and complete over the long-term with a specific deadline
Action Types	Launch a feasibility study of a harbor-wide flood protection system.	Flooding Management	City of Boston, MA	Climate Ready Boston	113	INITIATIVE 5-4	Start now and complete over the long-term with a specific deadline
Action Types	Establish a planning flood elevation for zoning regulations in the future floodplain.	Flooding Management	City of Boston, MA	Climate Ready Boston	135	INITIATIVE 9-1	Start now and complete within 5 years
Action Types	Create future flood maps to support planning, policy, and regulation.	Flooding Management	City of Boston, MA / City of Port Angeles, WA	Climate Ready Boston / Port Angeles Implementation Plan (Addendum to the Climate Resiliency Plan)	84 / 20	INITIATIVE 1-2 / Strategy EH-2. #19	Initiate within a 2-year timeframe and maintain continuity for the long-term / Early win (1-2 years)
Action Types	Develop a flood assistance program that encompasses technical advice, materials like sandbags and plastic sheeting, and offers flood protection information and resources to community residents and businesses in advance of an event, with a focus on ensuring low or no-cost access for vulnerable populations.	Flooding Management	City of San Diego, CA	Climate Resilient SD	83	Policy CCS-1-2	Mid
Action Types	Establish a levees inspection and maintenance program to ensure the levee system continues to provide adequate flood protection. Update the Levee System Operation and Maintenance Manual.	Flooding Management	City of San Diego, CA	Climate Resilient SD	83	Policy CCS-1-3	Mid
Action Types	Identify and implement flood protection measures for critical infrastructure.	Flooding Management	City of San Diego, CA	Climate Resilient SD	86	Policy CCS-3-3	Mid
Action Types	Protect mechanical, electrical, and other key operational equipment from flooding at critical facilities through facility improvements or adaptive action.	Flooding Management	City of San Diego, CA	Climate Resilient SD	86	Policy CCS-3-4	Near, Ongoing
Action Types	Implement resilient redesign or identify less intensive land uses for City-owned property exposed to flooding.	Flooding Management	City of San Diego, CA	Climate Resilient SD	88	Policy CCS-4-7	Long
Action Types	Ensure all City facilities have the ability to capture rainwater or stormwater for reuse through best management practices that include: stormwater chambers, rain barrels or green roofs.	Flooding Management	City of Cape Canaveral, FL	Resilient Cape Canaveral Action Plan	67	Preparedness Target 36	15 years
Action Types	At least 25% of all new City roads, parking lots and sidewalks square footage should be permeable.	Flooding Management	City of Cape Canaveral, FL	Resilient Cape Canaveral Action Plan	68	Preparedness Target 37	30 years

Solution Classification	Resilience Solution	Resilience Solution Type	Community	Plan	Page #	Strategy ID	Implementation Period
Action Types	Build at least three (3) new stormwater parks where appropriate and necessary to manage flooding and continue to implement subterranean exfiltration systems as needed for increased storage capacity.	Flooding Management	City of Cape Canaveral, FL	Resilient Cape Canaveral Action Plan	82	Preparedness Target 50	15 years
Action Types	Pursue a partnership with Brevard County to build a stormwater park with associated amenities such as a perimeter walking trail, benches and water fountains at Cherie Down Park after conveyance of ownership.	Flooding Management	City of Cape Canaveral, FL	Resilient Cape Canaveral Action Plan	82	Preparedness Target 51	15 years
Action Types	Implement semi-permanent flood defenses at City facilities, replacing sandbags, by conducting a flooding assessment for each building to determine feasibility and scope.	Flooding Management	City of Cape Canaveral, FL	Resilient Cape Canaveral Action Plan	83	Preparedness Target 52	15 years
Action Types	Work with Florida Department of Transportation and the Space Coast Transportation Planning Organization to redevelop SR A1A in order to reduce flood risks posed by minimum sea level rise projections (USACE 5.15 feet by 2100) depicted in the Assessment.	Flooding Management	City of Cape Canaveral, FL	Resilient Cape Canaveral Action Plan	84	Preparedness Target 54	30 years
Action Types	Complete a City-wide stormwater outfall sea level rise threat assessment and explore solutions that reduce the threat of flooding due to storm surge events and sea level rise that could cause stormwater backups.	Flooding Management	City of Cape Canaveral, FL	Resilient Cape Canaveral Action Plan	85	Preparedness Target 56	30 years
Planning Elements	Develop local climate resilience plans to support district-scale climate adaptation.	Governance & Organizational Resilience Planning	City of Boston, MA	Climate Ready Boston	100	INITIATIVE 4-1	Start now and complete over the long-term with a specific deadline
Planning Elements	Establish a Chief Resilience Officer.	Governance & Organizational Resilience Planning	City of San Diego, CA	Climate Resilient SD	88	Policy CCS-4-8	Near to Mid
Planning Elements	Integrate climate adaptation, resilience and hazard mitigation into long range planning documents as well as land use planning, capital and budget plans.	Governance & Organizational Resilience Planning	City of San Diego, CA	Climate Resilient SD	90	Policy CCS-6-2	Near to Mid
Planning Elements	Form a City department climate adaptation working group to coordinate on climate adaptation implementation efforts.	Governance & Organizational Resilience Planning	City of San Diego, CA	Climate Resilient SD	90	Policy CCS-6-3	Near, Ongoing
Planning Elements	Create a regional climate policy and action committee to guide plan implementation:	Governance & Organizational Resilience Planning	Kansas City Region	KC Regional Climate Action Plan	57	CL-1.1	1-year
Planning Elements	Measure and track performance towards reaching goals and targets, including the development of performance metrics, a data management strategy, performance communication tools, and a recognition program for local governments and community organizations to monitor progress in plan implementation.	Governance & Organizational Resilience Planning	Kansas City Region	KC Regional Climate Action Plan	57	CL-1.2	underway

Solution Classification	Resilience Solution	Resilience Solution Type	Community	Plan	Page #	Strategy ID	Implementation Period
Planning Elements	Launch innovation and design challenges by developing a design sprint methodology focused on climate action implementation, and conducting one to three design sprints per year to complement the implementation of climate action plan goals.	Governance & Organizational Resilience Planning	Kansas City Region	KC Regional Climate Action Plan	90	FI-2.3	1-3-year
Planning Elements	Reduce consumption through education on consuming fewer products, purchasing higher quality, repairing items, and promoting a sharing economy, while also developing policies that support local enterprises in product repair and reuse.	Governance & Organizational Resilience Planning	Kansas City Region	KC Regional Climate Action Plan	126	IR-1.1	Underway, Some Long-term
Planning Elements	Green the supply chain using recycled and other environmentally preferable products and services	Governance & Organizational Resilience Planning	Kansas City Region	KC Regional Climate Action Plan	130	IR-1.5	3-year
Planning Elements	Use the Resiliency Plan to inform Comprehensive Plan updates	Governance & Organizational Resilience Planning	City of Port Angeles, WA	Port Angeles Implementation Plan (Addendum to the Climate Resiliency Plan)	16	Strategy CRW-1. #10	Early win (1-2 years)
Planning Elements	Assess climate migration impacts with forecasting every 5 years. Integrate those findings into the Comprehensive Plan, infrastructure plans, revenue and expense forecasting, and housing assessments.	Governance & Organizational Resilience Planning	City of Port Angeles, WA	Port Angeles Implementation Plan (Addendum to the Climate Resiliency Plan)	14	Strategy CRW-1. #4	Mid-term (4-6 years)
Planning Elements	Develop a procedure that encourages various groups and organizations to salvage, recover, or reclaim materials before they are sent to the landfill, supporting a circular economy, promoting reuse, and diverting waste.	Governance & Organizational Resilience Planning	City of Port Angeles, WA	Port Angeles Implementation Plan (Addendum to the Climate Resiliency Plan)	31	Strategy CW-1. #49	Long-term (6+ years)
Planning Elements	Develop a circular economy action plan, exploring initial ideas such as a public-private enterprise incubator, grant, subsidy, and/or prize program to convert locally generated waste into recycled products.	Governance & Organizational Resilience Planning	City of Port Angeles, WA	Port Angeles Implementation Plan (Addendum to the Climate Resiliency Plan)	31	Strategy CW-1. #50	Long-term (6+ years)
Planning Elements	Utilize a "Green Team" model to develop sustainable purchasing policies for the City and community.	Governance & Organizational Resilience Planning	City of Port Angeles, WA	Port Angeles Implementation Plan (Addendum to the Climate Resiliency Plan)	32	Strategy CW-2. #53	Ongoing
Planning Elements	Implement key provisions of the 2022-2027 Preliminary Capital Facilities Plan Transportation Improvement Plan	Governance & Organizational Resilience Planning	City of Port Angeles, WA	Port Angeles Implementation Plan (Addendums to the Climate Resiliency Plan)	21	Strategy EH-2. #26	Ongoing
Planning Elements	Establish and staff a permanent Climate Action Team (CAT) tasked with implementing the Tucson Resilient Together plan.	Governance & Organizational Resilience Planning	City of Tucson, AZ	Tucson Resilient Together	78	G-1.1	Ongoing
Planning Elements	Incorporate climate action, climate resilience, and equity-centered performance objectives into annual reviews of City department heads and into departmental budget processes.	Governance & Organizational Resilience Planning	City of Tucson, AZ	Tucson Resilient Together	78	G-1.2	Ongoing
Planning Elements	Issue biennial progress reports on the implementation of Tucson Resilient Together, and update the plan at least every four years.	Governance & Organizational Resilience Planning	City of Tucson, AZ	Tucson Resilient Together	78	G-1.3	Ongoing

Solution Classification	Resilience Solution	Resilience Solution Type	Community	Plan	Page #	Strategy ID	Implementation Period
Planning Elements	Issue monthly communications to Tucson residents on climate action progress and develop a public-facing dashboard to show progress on specific climate metrics.	Governance & Organizational Resilience Planning	City of Tucson, AZ	Tucson Resilient Together	78	G-1.4	Ongoing
Planning Elements	Use climate projections instead of historic data for weather and precipitation modeling to inform planning, landscape, infrastructure, and community development processes and policy.	Governance & Organizational Resilience Planning	City of Tucson, AZ	Tucson Resilient Together	79	G-1.5	Ongoing
Planning Elements	Develop guidelines for inclusive and equitable outreach and engagement, to guide program implementation and consultant procurement processes.	Governance & Organizational Resilience Planning	City of Tucson, AZ	Tucson Resilient Together	79	G-1.6	Ongoing
Planning Elements	Evaluate existing investment portfolios for City pensions and supplemental retirement benefits and identify opportunities to divest from fossil fuel companies and environmentally harmful organizations.	Governance & Organizational Resilience Planning	City of Tucson, AZ	Tucson Resilient Together	79	G-1.7	Ongoing
Planning Elements	Explore federal, state, and local funding opportunities to help create an equitable climate action fund or a revolving Community Green Revolving Fund, empowering community members to determine how it is applied.	Governance & Organizational Resilience Planning	City of Tucson, AZ	Tucson Resilient Together	79	G-1.8	Ongoing
Planning Elements	Complete a comprehensive inventory of City-procured goods and their associated emissions.	Governance & Organizational Resilience Planning	City of Tucson, AZ	Tucson Resilient Together	118	RR-3.1	1-2 years
Planning Elements	Adopt a Sustainable Procurement Policy or Plan that designates third-party sustainability certification, sourcing, management and disposal requirements for City purchases (including both materials and food), with goals and targets to support local businesses, lower upstream emissions, support downstream diversion, and minimize refrigerant leakages.	Governance & Organizational Resilience Planning	City of Tucson, AZ	Tucson Resilient Together	118	RR-3.2	1-2 years
Action Types	Develop a green infrastructure location plan for public land and rights-of-way. The City should work with the Boston Water.	Green Infrastructure	City of Boston, MA	Climate Ready Boston	124	INITIATIVE 8-1	Initiate within a 2-year timeframe and maintain continuity for the long-term
Action Types	Develop a sustainable operating model for green infrastructure on public land and rights-of-way.	Green Infrastructure	City of Boston, MA	Climate Ready Boston	126	INITIATIVE 8-2	Start now and complete within 5 years
Action Types	Evaluate incentives and other tools to support green infrastructure.	Green Infrastructure	City of Boston, MA	Climate Ready Boston	127	INITIATIVE 8-3	Start now and complete within 2 years
Action Types	Develop design guidelines for green infrastructure on private property to support co-benefits.	Green Infrastructure	City of Boston, MA	Climate Ready Boston	127	INITIATIVE 8-4	Start within 2 years and complete within 5 years
Action Types	Prepare outdoor facilities for climate change.	Green Infrastructure	City of Boston, MA	Climate Ready Boston	128	INITIATIVE 8-6	Initiate within a 5-year timeframe and maintain continuity for the long-term

Solution Classification	Resilience Solution	Resilience Solution Type	Community	Plan	Page #	Strategy ID	Implementation Period
Action Types	Conduct a comprehensive wetlands inventory and develop a wetlands protection action plan.	Green Infrastructure	City of Boston, MA	Climate Ready Boston	129	INITIATIVE 8-7	Start within 2 years and complete within 5 years
Action Types	Develop guidance for capital planning, including resilient design standards for City infrastructure upgrades that consider climate change projections. Take into account the project's function, lifespan, location, asset type, and core benefits provided by the project. Include resilient design criteria as a prioritization factor for capital improvement projects.	Green Infrastructure	City of San Diego, CA	Climate Resilient SD	89	Policy CCS-5-3	Near
Action Types	Establish a community garden program to convert vacant lots, rooftops or other available space to public community gardens.	Green Infrastructure	City of San Diego, CA	Climate Resilient SD	72	Policy RE-3-1	Near
Action Types	Develop an urban greening program to promote expanded green spaces in urban areas. The program should facilitate greening of City buildings and encourage private development to include green features through policy development or incentive programs.	Green Infrastructure	City of San Diego, CA	Climate Resilient SD	72	Policy RE-3-2	Mid
Action Types	As identified in the Parks Master Plan, complete a Trails Master Plan that accounts for climate change impacts, such as increased erosion due to precipitation or sea level rise.	Green Infrastructure	City of San Diego, CA	Climate Resilient SD	78	Policy TNE-2-2	Near, Ongoing
Action Types	Update open space and community park plans, including master plans, precise plans, general development plans, and natural resource management plans as needed, to protect open space and park land against the impacts of climate change and improve natural integrity.	Green Infrastructure	City of San Diego, CA	Climate Resilient SD	79	Policy TNE-2-5	Near, Ongoing
Action Types	Improve stormwater infrastructure resilience.	Green Infrastructure	City of San Diego, CA	Climate Resilient SD	80	Policy TNE-4-1	Near to Mid
Action Types	Maximize planning and implementation of green infrastructure at watershed scale and site specific.	Green Infrastructure	City of San Diego, CA	Climate Resilient SD	80	Policy TNE-4-2	Near to Mid
Action Types	Incorporate considerations for a changing climate into urban forestry management and planning. Update the Urban Forestry Program 5 Year Plan with consideration for tree species diversification, salt tolerance and irrigation needs.	Green Infrastructure	City of San Diego, CA	Climate Resilient SD	82	Policy TNE-6-2	Near
Action Types	Expand the City's urban tree canopy	Green Infrastructure	City of San Diego, CA / City of Boston, MA	Climate Resilient SD / Climate Ready Boston	82 / 128	Policy TNE-6-1 / INITIATIVE 8-5	Near, Ongoing / Start now and complete within 5 years
Action Types	Integrate opportunities to add new green space into street improvement projects.	Green Infrastructure	City of Boston, MA	Heat Resilience Solutions for Boston	236	6.1	From year 3 to year 5 & onwards

Solution Classification	Resilience Solution	Resilience Solution Type	Community	Plan	Page #	Strategy ID	Implementation Period
Action Types	Increase shade on municipal sites. Lead by example by ensuring municipal sites are supporting and contributing to cooler neighborhoods.	Green Infrastructure	City of Boston, MA	Heat Resilience Solutions for Boston	237	6.2	From year 2 and year 5 & onwards
Action Types	Enhance and enlarge Boston's network of resilient community parks..	Green Infrastructure	City of Boston, MA	Heat Resilience Solutions for Boston	239	6.4	From year 3 to year 5 & onwards
Action Types	Incentivize use of green infrastructure development practices	Green Infrastructure	Kansas City Region	KC Regional Climate Action Plan	98	CR 4.1	3 years
Action Types	Increase complete and green streets throughout the region, ensuring the creation of comfortable spaces for pedestrians, cyclists, and drivers, while incorporating vegetation and permeable surfaces to effectively manage stormwater.	Green Infrastructure	Kansas City Region	KC Regional Climate Action Plan	64	T-LU 1.3	underway
Action Types	Protect urban tree canopy, parks, and open space.	Green Infrastructure	City of Port Angeles, WA	Port Angeles Implementation Plan (Addendum to the Climate Resiliency Plan)	19	Strategy EH-2. #16	Early win (1-2 years)
Action Types	Incentivize use of native plants landscaping in residential, commercial, and industrial settings within the City	Green Infrastructure	City of Port Angeles, WA	Port Angeles Implementation Plan (Addendum to the Climate Resiliency Plan)	20	Strategy EH-2. #17	Mid-term (4-6 years)
Action Types	Transition municipal landscaping equipment to cordless battery equipment and/or manual tools, and pursue AGZA Green Zone Certification.	Green Infrastructure	City of Tucson, AZ	Tucson Resilient Together	90	E-1.7	5-10 years
Action Types	Address barriers to implementing small-scale green infrastructure projects on individual properties, including code amendments where needed.	Green Infrastructure	City of Tucson, AZ	Tucson Resilient Together	120	RR-5.1	Ongoing
Action Types	Build upon existing efforts and partnerships through Storm to Shade partnerships to promote green infrastructure practices at the neighborhood and lot scale.	Green Infrastructure	City of Tucson, AZ	Tucson Resilient Together	120	RR-5.2	Ongoing
Action Types	Work with homeowners associations to update their landscaping requirements to include interconnected green infrastructure practices and climate adaptive planting palettes.	Green Infrastructure	City of Tucson, AZ	Tucson Resilient Together	120	RR-5.3	Ongoing
Action Types	Restore existing riparian areas and create new, context-appropriate and climate-resilient riparian areas.	Green Infrastructure	City of Tucson, AZ	Tucson Resilient Together	120	RR-5.4	Ongoing
Action Types	Update the city's heat emergency action plan.	Heat Mitigation	City of Boston, MA	Climate Ready Boston	93	INITIATIVE 2-4	Start now and complete within 5 years
Action Types	Provide cooling systems for City assets and equipment sensitive to overheating.	Heat Mitigation	City of San Diego, CA	Climate Resilient SD	86	Policy CCS-3-1	Mid
Action Types	Account for high-heat days when planning City staff duties to minimize exposure to extreme heat and/or provide necessary protective measures.	Heat Mitigation	City of San Diego, CA	Climate Resilient SD	88	Policy CCS-4-5	Near, Ongoing
Action Types	Incentivize installation of cool roofs and green roofs.	Heat Mitigation	City of San Diego, CA	Climate Resilient SD	71	Policy RE-2-4	Near, Ongoing

Solution Classification	Resilience Solution	Resilience Solution Type	Community	Plan	Page #	Strategy ID	Implementation Period
Action Types	Utilize the Urban Heat Vulnerability Index to inform implementation of adaptation strategies to address extreme heat events and identify priority areas for cooling interventions.	Heat Mitigation	City of San Diego, CA	Climate Resilient SD	71	Policy RE-2-5	Near
Action Types	Coordinate with the County of San Diego Department of Public Health on the Cool Zones program, providing easily accessible locations, particularly in Communities of Concern, and expanding access to Cool Zones, shade corridors, and the coast.	Heat Mitigation	City of San Diego, CA	Climate Resilient SD	74	Policy RE-5-3	Near, Ongoing
Action Types	Expand current standards for shade trees in parking lots to include higher level requirements or additional options for solar or shade canopies.	Heat Mitigation	City of San Diego, CA / City of Tucson, AZ	Climate Resilient SD / Tucson Resilient Together	71 / 129	Policy RE-2-3 / CR-2.7	Near, Ongoing / 1-5 years
Action Types	Form an interdepartmental group that meets regularly to coordinate integrated responses to weather-related climate hazards, including extreme temperature.	Heat Mitigation	City of Boston, MA	Heat Resilience Solutions for Boston	200	1.1	Ongoing program, monitoring, and evaluation
Action Types	Preposition resources to support residents and other stakeholders before heat waves	Heat Mitigation	City of Boston, MA	Heat Resilience Solutions for Boston	202	1.2	From year 2 to year 3
Action Types	Deploy targeted networks of heat sensors to inform ongoing planning and measure progress.	Heat Mitigation	City of Boston, MA	Heat Resilience Solutions for Boston	204	1.3	From year 3 to year 5 & onwards
Action Types	Create an expanded network of free-to-access cooling locations.	Heat Mitigation	City of Boston, MA	Heat Resilience Solutions for Boston	206	2.1	From year 1 to year 2
Action Types	Develop dedicated programming and clear messaging for public cooling centers and identify opportunities to expand services.	Heat Mitigation	City of Boston, MA	Heat Resilience Solutions for Boston	208	2.2	From year 3 to year 5 & onwards
Action Types	Expand Boston's network of free-to-access outdoor and indoor cooling locations.	Heat Mitigation	City of Boston, MA	Heat Resilience Solutions for Boston	210	2.3	From year 2 to year 4
Action Types	Support leadership development and community-identified heat resilience priorities.	Heat Mitigation	City of Boston, MA	Heat Resilience Solutions for Boston	212	3.1	From year 2 to year 5 & onwards
Action Types	Provide information and guidelines about summer safety for outdoor workers.	Heat Mitigation	City of Boston, MA	Heat Resilience Solutions for Boston	213	3.2	From year 3 to year 5 & onwards
Action Types	Launch a multi-pronged public education campaign to increase awareness of heat risks and cooling options.	Heat Mitigation	City of Boston, MA	Heat Resilience Solutions for Boston	214	4.1	year 3
Action Types	Deploy a citywide survey to measure public perceptions about heat risks and barriers to accessing cooling, and to improve access to resources and services.	Heat Mitigation	City of Boston, MA	Heat Resilience Solutions for Boston	216	4.2	year 3
Action Types	Distribute resources to support cooler homes.	Heat Mitigation	City of Boston, MA	Heat Resilience Solutions for Boston	223	5.1	Ongoing program, monitoring, and evaluation
Action Types	Invest in cool roofs to reduce heat: white roofs that reflect solar radiation, green planted roofs that insulate and absorb rainwater, and solar roofs that generate renewable energy and shade.	Heat Mitigation	City of Boston, MA	Heat Resilience Solutions for Boston	224	5.2	year 3

Solution Classification	Resilience Solution	Resilience Solution Type	Community	Plan	Page #	Strategy ID	Implementation Period
Action Types	Improve energy efficiency and indoor thermal comfort, and reduce energy cost burdens by facilitating home energy retrofits.	Heat Mitigation	City of Boston, MA	Heat Resilience Solutions for Boston	226	5.3	From year 2 and year 3
Action Types	In public and affordable housing communities, invest in energy retrofits and climate resilient design.	Heat Mitigation	City of Boston, MA	Heat Resilience Solutions for Boston	228	5.4	From year 4 to year 5 & onwards
Action Types	Improve energy efficiency, indoor and outdoor thermal comfort, and outdoor shading in schoolyards, and promote education about heat resilience.	Heat Mitigation	City of Boston, MA	Heat Resilience Solutions for Boston	230	5.5	From year 3 to year 5 & onwards
Action Types	Increase public access to water with additional drinking fountains and water bottle fillers in areas with high heat exposure.	Heat Mitigation	City of Boston, MA	Heat Resilience Solutions for Boston	238	6.3	From year 1 and year 5 & onwards
Action Types	In streets and public spaces, reduce localized extreme heat and increase access to cooling resources while supporting local businesses.	Heat Mitigation	City of Boston, MA	Heat Resilience Solutions for Boston	244	7.3	From year 3 to year 5 & onwards
Action Types	Ensure new development assesses heat resilience impacts and benefits.	Heat Mitigation	City of Boston, MA	Heat Resilience Solutions for Boston	246	8.1	Ongoing program, monitoring, and evaluation
Action Types	Ensure new development supports neighborhood heat resilience.	Heat Mitigation	City of Boston, MA	Heat Resilience Solutions for Boston	248	8.3	Ongoing program, monitoring, and evaluation
Action Types	Implement heat island mitigation strategies	Heat Mitigation	Kansas City Region	KC Regional Climate Action Plan	96	CR-2.1	3 years
Action Types	Develop a comprehensive urban heat mitigation strategy and implementation plan that addresses shade equity, pavement prevention and reduction, cool roofs and surfaces, and urban greening.	Heat Mitigation	City of Tucson, AZ	Tucson Resilient Together	128	CR-2.1	1-5 years
Action Types	Install and maintain additional shade canopies, playground shade structures, shade trees, splash pads, drinking water fountains and/or water bottle filling stations in areas of greatest need.	Heat Mitigation	City of Tucson, AZ	Tucson Resilient Together	128	CR-2.2	1-5 years
Action Types	Work with the City's Community Safety, Health & Wellness team and social service providers to increase access to stationary and mobile resources such as bathrooms, showers, kitchens, and laundry facilities in parks and public spaces that can be activated to support community resilience during emergencies.	Heat Mitigation	City of Tucson, AZ	Tucson Resilient Together	128	CR-2.3	1-5 years
Action Types	Pilot high-albedo (or light-color and heat-reflective) surfaces on buildings, roadways, sidewalks and paths, and parking lots at City-owned properties.	Heat Mitigation	City of Tucson, AZ	Tucson Resilient Together	128	CR-2.4	1-5 years
Action Types	Provide resources, training, and discussion spaces for employers and workers that encourage and support protection from extreme heat.	Heat Mitigation	City of Tucson, AZ	Tucson Resilient Together	129	CR-2.8	1-5 years
Action Types	Work with Sun Tran and other public transit services to create a cool corridor network that connects people to cooling resources during high-heat days and extreme heat events.	Heat Mitigation	City of Tucson, AZ	Tucson Resilient Together	129	CR-2.9	1-5 years

Solution Classification	Resilience Solution	Resilience Solution Type	Community	Plan	Page #	Strategy ID	Implementation Period
Action Types	Continue to implement land management practices that support ecosystem function and healthy watersheds, thereby increasing the capacity of the system to withstand stress due to climate change.	Nature-based Solutions	City of San Diego, CA	Climate Resilient SD	77	Policy TNE-1-3	Near, Ongoing
Action Types	Protect, restore, and enhance urban canyons by supporting habitat restoration, including environmental education and recreation opportunities, and ensuring continued preservation efforts.	Nature-based Solutions	City of San Diego, CA	Climate Resilient SD	77	Policy TNE-1-4	Near, Ongoing
Action Types	Prioritize the preservation, restoration, and expansion of natural features, including habitat, open space, wetlands, kelp forests, marshes, and vegetated buffers, to enhance the resilience of natural systems. Continue to implement and uphold the Multiple Species Conservation Program to preserve a network of habitat and open space and protect biodiversity.	Nature-based Solutions	City of San Diego, CA	Climate Resilient SD	78	Policy TNE-2-1	Near, Ongoing
Action Types	Implement nature-based shoreline protection methods to safeguard areas prone to coastal flooding. Develop a coastal resilience master plan that identifies locations for implementing nature-based solutions to mitigate coastal flooding and erosion, enhance coastal resilience, protect habitat, and increase recreational opportunities for residents and visitors.	Nature-based Solutions	City of San Diego, CA	Climate Resilient SD	79	Policy TNE-3	Near, Ongoing
Action Types	Conserve and restore the region's urban forests by expanding partnerships to facilitate tree planning and nature-based solutions, and by supporting the development of urban forestry plans by local governments.	Nature-based Solutions	Kansas City Region	KC Regional Climate Action Plan	94	CR-1.1	1/3/5/10-year
Action Types	Conserve and restore the region's riparian (or streamside) corridors	Nature-based Solutions	Kansas City Region	KC Regional Climate Action Plan	95	CR-1.2	Underway
Action Types	Increase urban tree canopy with a reforestation strategy striving to plant 2,000 new native and Florida-friendly trees/plants on City properties. Residential and business properties should be considered through a joint voluntary public-private planting initiative.	Nature-based Solutions	City of Cape Canaveral, FL	Resilient Cape Canaveral Action Plan	48	Preparedness Target 10	5 years
Action Types	Continue annual sea oat plantings to double the amount of sea oats along the beach from the existing 110,000 to over 220,000 for increased dune stabilization.	Nature-based Solutions	City of Cape Canaveral, FL	Resilient Cape Canaveral Action Plan	49	Preparedness Target 11	15 years
Action Types	Strive to increase the amount of properties connected to reclaim irrigation to help reduce and potentially eliminate the need for direct reclaim discharges into the Banana River Lagoon from the City's Water Reclamation Facility (WRF).	Nature-based Solutions	City of Cape Canaveral, FL	Resilient Cape Canaveral Action Plan	49	Preparedness Target 12	15 years

Solution Classification	Resilience Solution	Resilience Solution Type	Community	Plan	Page #	Strategy ID	Implementation Period
Action Types	Establish annual oyster gardens at City-owned docks through the Brevard Zoo Oyster Gardening Program, highlighting their benefits to encourage community participation, and explore public-private partnerships for maintenance, along with assessing the feasibility of constructing oyster mats and reefs along the City's lagoon shoreline.	Nature-based Solutions	City of Cape Canaveral, FL	Resilient Cape Canaveral Action Plan	50	Preparedness Target 13	15 years
Action Types	Incorporate Low Impact Development (LID) or xeriscape practices in the planning of new City-owned buildings, parks, and roadways, as well as in the redevelopment of existing ones, with a commitment to allocate 25% of the site of all City-operated buildings to LID/xeriscape techniques.	Nature-based Solutions	City of Cape Canaveral, FL	Resilient Cape Canaveral Action Plan	51	Preparedness Target 14	15 years
Action Types	Ban the use and application of glyphosate-based herbicide products at all City owned properties, parks and facilities by City Staff and contractors.	Nature-based Solutions	City of Cape Canaveral, FL	Resilient Cape Canaveral Action Plan	44	Preparedness Target 5	5 years
Action Types	Begin a volunteer outreach program that encourages the discontinuation of phosphorus and nitrogen-based fertilizers, with the goal of at least 1,000 Community members pledging to end applications on their properties.	Nature-based Solutions	City of Cape Canaveral, FL	Resilient Cape Canaveral Action Plan	45	Preparedness Target 6	5 years
Action Types	Increase the number of registered Lagoon-Friendly Lawns within the City by 60% over the current listed number. This will also support Target 6.	Nature-based Solutions	City of Cape Canaveral, FL	Resilient Cape Canaveral Action Plan	45	Preparedness Target 7	5 years
Action Types	Conduct a citywide tree survey using Google Maps and ArcGIS to document and geo-tag each tree, aiming to improve understanding of the urban canopy, identify planting areas, reduce the urban heat island effect, provide habitat and shade, and enhance overall city aesthetics.	Nature-based Solutions	City of Cape Canaveral, FL	Resilient Cape Canaveral Action Plan	46	Preparedness Target 8	5 years
Action Types	Increase mangrove habitats along the lagoon by at least 300 trees through a joint public-private initiative in collaboration with a local environmental organization.	Nature-based Solutions	City of Cape Canaveral, FL	Resilient Cape Canaveral Action Plan	47	Preparedness Target 9	5 years
Action Types	Advance the Tucson Million Trees initiative with a continued focus on native and contextually appropriate tree species, tree equity, and water conservation around Tucson.	Nature-based Solutions	City of Tucson, AZ	Tucson Resilient Together	130	CR-3.1	Ongoing
Action Types	Complete an urban tree inventory and implement an urban forest master plan that builds upon Tucson Million Trees.	Nature-based Solutions	City of Tucson, AZ	Tucson Resilient Together	130	CR-3.2	Ongoing
Action Types	Identify opportunities at City-owned facilities for nature-based solutions such as green roofs, pollinator gardens, and rain gardens with a focus on Ward offices, parks, and greenways as examples of these solutions in practice.	Nature-based Solutions	City of Tucson, AZ	Tucson Resilient Together	130	CR-3.3	Ongoing
Action Types	Identify community-wide opportunities for nature-based solutions to mitigate flooding, such as land or watershed restoration projects.	Nature-based Solutions	City of Tucson, AZ	Tucson Resilient Together	130	CR-3.4	Ongoing

Solution Classification	Resilience Solution	Resilience Solution Type	Community	Plan	Page #	Strategy ID	Implementation Period
Action Types	Coordinate with community-based organizations such as co-operative farms to incorporate urban agriculture and community farming across Tucson.	Nature-based Solutions	City of Tucson, AZ	Tucson Resilient Together	130	CR-3.5	Ongoing
Action Types	Expand backup power at private buildings that serve vulnerable populations.	On-site Power	City of Boston, MA	Climate Ready Boston	143	INITIATIVE 10-3	Initiate within a 5-year timeframe and maintain continuity for the long-term
Action Types	Conduct feasibility studies for community energy solutions.	On-site Power	City of Boston, MA	Climate Ready Boston	122	INITIATIVE 7-1	Start now and complete over the long-term with a specific deadline
Action Types	Explore siting renewable generation projects on City-owned land, landfills, lakes, and reservoirs.	On-site Power	City of San Diego, CA	Climate Resilient SD	88	Policy CCS-4-10	Mid
Action Types	Consider the value of combining renewable generation with battery energy storage systems and/or microgrid installations to increase resiliency in the face of climate change-driven energy disruptions, reduce energy costs, and support a stable electric grid.	On-site Power	City of San Diego, CA	Climate Resilient SD	88	Policy CCS-4-6	Near to Mid
Action Types	Identify City buildings appropriate for the installation of distributed energy resources like battery energy storage and microgrids to increase the City's capacity to respond to climate change-driven energy disruptions and reduce energy costs.	On-site Power	City of San Diego, CA	Climate Resilient SD	88	Policy CCS-4-9	Near to Mid
Action Types	Implement energy grid upgrades, district energy microgrids, and other strategies to reduce the risk of power outages during heat waves.	On-site Power	City of Boston, MA	Heat Resilience Solutions for Boston	243	7.2	From year 4 to year 5 & onwards
Action Types	Expand wind energy production by implementing state-level and county-specific outreach strategies, tracking and analyzing existing and upcoming wind projects,	On-site Power	Kansas City Region	KC Regional Climate Action Plan	76	EG-1.1	underway
Action Types	Expand utility-owned solar farms by implementing county-specific outreach and education to elected officials and local governments, conducting public outreach around solar farms	On-site Power	Kansas City Region	KC Regional Climate Action Plan	77	EG-1.2	underway
Action Types	Build sustainable community and neighborhood energy generation by expanding community outreach on solar options, studying virtual net metering strategies, financing, economic incentives, and barriers for community solar, and crafting policy solutions.	On-site Power	Kansas City Region	KC Regional Climate Action Plan	78	EG-2.1	underway/1-3-year
Action Types	Expand corporate, industrial, and institutional solar energy generation through business-to-business outreach, educating local businesses, schools, governments, and others about solar options, studying virtual net metering strategies, improving existing net metering statutes, addressing financing and incentives	On-site Power	Kansas City Region	KC Regional Climate Action Plan	79	EG-2.2	underway

Solution Classification	Resilience Solution	Resilience Solution Type	Community	Plan	Page #	Strategy ID	Implementation Period
Action Types	Increase incentives and eliminating barriers for residential solar energy production by developing or sharing model ordinances and processes among municipalities and utilities to streamline permitting and interconnection for solar panels and storage, as well as educating the general public about solar options	On-site Power	Kansas City Region	KC Regional Climate Action Plan	80	EG-2.3	underway
Action Types	Implement grid flexibility and smart grid strategies, including studying and advancing priority grid technology and modernization strategies for the region.	On-site Power	Kansas City Region	KC Regional Climate Action Plan	81	EG-3.1	underway
Action Types	Study feasibility of various utility-scale energy storage solutions and examining financing and economic incentives to enhance affordability and attract investors.	On-site Power	Kansas City Region	KC Regional Climate Action Plan	82	EG-3.2	underway
Action Types	Explore and invest in capital projects that develop community energy projects (e.g., local microgrids, local solar projects) to ensure there is energy supply redundancy, especially when the City or neighborhoods lose power. Consider partnerships with Clallam Public Utility District and low- or zero-rate homeowner credit.	On-site Power	City of Port Angeles, WA	Port Angeles Implementation Plan (Addendum to the Climate Resiliency Plan)	30	Strategy BE-2. #45	Long-term (6+ years)
Action Types	Transition each of the City's mobile fuel-based light towers and generator units to electric, solar, or wind-powered alternatives to achieve cleaner, quieter operations at City events and post-disaster situations,	On-site Power	City of Cape Canaveral, FL	Resilient Cape Canaveral Action Plan	61	Preparedness Target 26	5 years
Action Types	Strive to become a SolSmart Program member with a "Gold" rating by encouraging solar use and providing resources to residents to make solar more affordable and easier to acquire.	On-site Power	City of Cape Canaveral, FL	Resilient Cape Canaveral Action Plan	62	Preparedness Target 27	5 years
Action Types	Convert at least 50% of the City's streetlights to solar power by 2035; while also working to convert 100% of the City's streetlights to solar power by 2050.	On-site Power	City of Cape Canaveral, FL	Resilient Cape Canaveral Action Plan	63	Preparedness Target 29	15 years
Action Types	Convert all City facilities to run off of renewable energy with associated battery storage systems.	On-site Power	City of Cape Canaveral, FL	Resilient Cape Canaveral Action Plan	64	Preparedness Target 31	15 years
Action Types	Transition the entire City to renewable energy by 2050, with the ultimate goal of powering all City facilities with renewable energy, and encouraging the community to also transition to renewable sources.	On-site Power	City of Cape Canaveral, FL	Resilient Cape Canaveral Action Plan	64	Preparedness Target 32	30 years
Action Types	Pilot new and emerging clean energy technologies, including solar streetlights.	On-site Power	City of Tucson, AZ	Tucson Resilient Together	90	E-1.6	5-10 years
Action Types	Install at least 30 MW of solar photovoltaics (PVs) on City-owned buildings and carports.	On-site Power	City of Tucson, AZ	Tucson Resilient Together	93	E-4.1	Ongoing
Action Types	Utilize City properties as off-taker and/or host sites for community solar and utility-scale renewable energy projects.	On-site Power	City of Tucson, AZ	Tucson Resilient Together	93	E-4.3	Ongoing

Solution Classification	Resilience Solution	Resilience Solution Type	Community	Plan	Page #	Strategy ID	Implementation Period
Action Types	Explore community solar co-op models to democratize access to solar energy.	On-site Power	City of Tucson, AZ	Tucson Resilient Together	93	E-4.4	Ongoing
Action Types	Explore opportunities to further streamline permitting for solar photovoltaic (PV) installations on residential, commercial, and industrial buildings and properties, as well as utility-scale installations.	On-site Power	City of Tucson, AZ	Tucson Resilient Together	93	E-4.5	Ongoing
Action Types	Develop additional incentives and reduce permitting fees for residents and businesses to install solar PV and/or energy storage systems.	On-site Power	City of Tucson, AZ	Tucson Resilient Together	93	E-4.7	Ongoing
Action Types	Implement a methane capture project at the Los Reales Sustainability Campus that redirects the biogas as a source of renewable energy.	On-site Power	City of Tucson, AZ	Tucson Resilient Together	94	E-5.1	Ongoing
Action Types	Investigate opportunities to incorporate renewable thermal (heating and cooling) energy, including geothermal heat pumps.	On-site Power	City of Tucson, AZ	Tucson Resilient Together	94	E-5.2	Ongoing
Action Types	Monitor academic research on the potential for safely blending hydrogen into the natural gas distribution system.	On-site Power	City of Tucson, AZ	Tucson Resilient Together	94	E-5.3	Ongoing
Planning Elements	Build regional resilience through collaboration with other local, regional, or state agencies, as well as community-based organizations and non-profits.	Regional Collaboration	City of San Diego, CA	Climate Resilient SD	68	Policy CI-3-1	Near, Ongoing
Planning Elements	Collaborate with climate science experts (local research institutions and universities) on local climate change impacts, mitigation and adaptation to inform public policy decisions.	Regional Collaboration	City of San Diego, CA	Climate Resilient SD	68	Policy CI-3-3	Near, Ongoing
Planning Elements	Coordinate and partner with Clallam County, Tribal partners, and Olympic Medical Center to implement regional climate resilience policies. Review the County-Wide Planning Process agreement for its climate preparedness.	Regional Collaboration	City of Port Angeles, WA	Port Angeles Implementation Plan (Addendum to the Climate Resiliency Plan)	14	Strategy CRW-1.#3	Early win (1-2 years)
Planning Elements	Partner with the Arizona Green Business Program to promote energy and water efficiency, waste reduction, green building materials, and local sustainable purchasing amongst the City's business community.	Regional Collaboration	City of Tucson, AZ	Tucson Resilient Together	80	G-2.2	Ongoing
Planning Elements	Convene workforce development stakeholders, including the Tucson 2030 District, Pima JTED, PCC Workforce Development, and other educational institutions to coordinate city-wide programming and training related to building decarbonization, or the practice of making existing buildings (including residential housing stock) more efficient and resilient.	Regional Collaboration	City of Tucson, AZ	Tucson Resilient Together	80	G-2.3	Ongoing
Planning Elements	Partner with local organizations, community, and local businesses groups to invest in and create youth employment training and professional development in the environmental and climate sectors.	Regional Collaboration	City of Tucson, AZ	Tucson Resilient Together	80	G-2.4	Ongoing

Solution Classification	Resilience Solution	Resilience Solution Type	Community	Plan	Page #	Strategy ID	Implementation Period
Planning Elements	Collaborate with neighboring tribes and local jurisdictions to share information and resources, coordinate the implementation of climate mitigation and adaptation strategies, and build resilience across Greater Tucson.	Regional Collaboration	City of Tucson, AZ	Tucson Resilient Together	80	G-2.5	Ongoing
Action Types	Develop resilience hubs in coordination with the County of San Diego Public Health Department and community-based organizations, providing shelter, food distribution, healthcare, or other services as needed, and considering the implementation of solar microgrid battery backup.	Resilience Hubs	City of San Diego, CA	Climate Resilient SD	74	Policy RE-5-2	Mid
Action Types	Establish one or more resilience hubs - in partnership with schools, community-based organizations, neighborhood and homeowners associations, and faith-based institutions to ensure that surrounding and vulnerable communities are better prepared for climate-related emergencies.	Resilience Hubs	City of Tucson, AZ	Tucson Resilient Together	126	CR-1.1	1-5 years
Action Types	Work with Pima County Health Department to develop guidance, specifications, and best practice recommendations for accessibility, amenities, and programming of resilience hubs.	Resilience Hubs	City of Tucson, AZ	Tucson Resilient Together	127	CR-1.2	1-5 years
Action Types	Create multi-lingual, multi-format resources to distribute and share with Tucson residents regarding resilience hubs and associated programs.	Resilience Hubs	City of Tucson, AZ	Tucson Resilient Together	127	CR-1.4	1-5 years
Action Types	Increase recycling by developing the secondary materials market for recyclables, providing incentives to create and sustain locally based recycling jobs, and expanding recycling collection for multifamily residential, small businesses, and rural areas.	Solid Waste Management	Kansas City Region	KC Regional Climate Action Plan	127	IR-1.2	Underway, plus 1-year, 3-year, 10-year and Long-term
Action Types	Reduce food waste from landfill disposal	Solid Waste Management	Kansas City Region	KC Regional Climate Action Plan	129	IR-1.4	3-year
Action Types	Promote recycling education and advocacy programs	Solid Waste Management	Kansas City Region	KC Regional Climate Action Plan	131	IR-1.6	Underway
Action Types	Divert organic waste from landfill disposal through composting	Solid Waste Management	Kansas City Region / City of Cape Canaveral, FL	KC Regional Climate Action Plan / Tucson Resilient Together	128 / 117	IR-1.3 / RR-2.3	Underway / 1-5 years
Action Types	Consistent with the County Solid Waste Management Plan, develop a food waste diversion program for households, such as using green waste bins for compost, to eliminate landfilling of food waste that causes methane emissions.	Solid Waste Management	City of Port Angeles, WA	Port Angeles Implementation Plan (Addendum to the Climate Resiliency Plan)	31	Strategy CW-2. #51	Mid-term (4-6 years)
Action Types	Consistent with the County Solid Waste Management Plan, work with the County to develop food waste diversion and composting programs for commercial businesses,	Solid Waste Management	City of Port Angeles, WA	Port Angeles Implementation Plan (Addendum to the Climate Resiliency Plan)	32	Strategy CW-2. #52	Mid-term (4-6 years)

Solution Classification	Resilience Solution	Resilience Solution Type	Community	Plan	Page #	Strategy ID	Implementation Period
Action Types	Limit plastic packaging in conjunction with state and federal programs.	Solid Waste Management	City of Port Angeles, WA	Port Angeles Implementation Plan (Addendum to the Climate Resiliency Plan)	32	Strategy CW-2. #54	Ongoing
Action Types	Eliminate single-use plastics and polystyrene within City operations where appropriate and feasible and instead switch to reusable and eco-friendly alternatives. Vendors would be asked to participate by declining to sell and distribute single-use plastics and polystyrene at City events.	Solid Waste Management	City of Cape Canaveral, FL	Resilient Cape Canaveral Action Plan	76	Preparedness Target 43	5 years
Action Types	Consider a feasibility study that determines the logistics and scope of a City-wide single-use plastics and polystyrene ban.	Solid Waste Management	City of Cape Canaveral, FL	Resilient Cape Canaveral Action Plan	77	Preparedness Target 44	5 years
Action Types	Increase educational signage at all City facilities and beach crossovers that promote litter awareness and proper recycling.	Solid Waste Management	City of Cape Canaveral, FL	Resilient Cape Canaveral Action Plan	77	Preparedness Target 45	5 years
Action Types	Develop a pilot program to recycle cigarette butt litter while increasing the amount of cigarette receptacles within the City to 100 units.	Solid Waste Management	City of Cape Canaveral, FL	Resilient Cape Canaveral Action Plan	78	Preparedness Target 46	5 years
Action Types	Establish a City-wide composting program for residents and businesses, distributing a financially feasible number of small-scale composting bins each year.	Solid Waste Management	City of Cape Canaveral, FL	Resilient Cape Canaveral Action Plan	78	Preparedness Target 47	5 years
Action Types	Decrease the City's recycling contamination rate from 35% to 10% or less by implementing improved signage, educational campaigns, and new recycling receptacles at City facilities.	Solid Waste Management	City of Cape Canaveral, FL	Resilient Cape Canaveral Action Plan	79	Preparedness Target 48	15 years
Action Types	Significantly minimize waste for all City operations and facilities by 2050.	Solid Waste Management	City of Cape Canaveral, FL	Resilient Cape Canaveral Action Plan	79	Preparedness Target 49	30 years
Action Types	Complete a solid waste characterization study to understand how much metal, glass, plastics, food waste, and other materials are in Tucson's waste stream, in order to devise tactics to reduce waste and disposal costs.	Solid Waste Management	City of Tucson, AZ	Tucson Resilient Together	116	RR-1.1	1-3 years
Action Types	Implement Zero Waste Plan for community-wide solid waste diversion.	Solid Waste Management	City of Tucson, AZ	Tucson Resilient Together	116	RR-1.2	1-3 years
Action Types	Incorporate Zero Waste goals and objectives into the City's waste contracts and franchise agreements.	Solid Waste Management	City of Tucson, AZ	Tucson Resilient Together	116	RR-1.3	1-3 years
Action Types	Prioritize food waste reduction via food loss prevention, food rescue/donation, and organics composting.	Solid Waste Management	City of Tucson, AZ	Tucson Resilient Together	117	RR-2.1	1-5 years
Action Types	Coordinate with haulers to establish an organic waste curbside collection program across the City and provide residents with organic waste bins and education	Solid Waste Management	City of Tucson, AZ	Tucson Resilient Together	117	RR-2.2	1-5 years
Action Types	Continue piloting new zero waste technologies (e.g., ByFusion blocks) and establish metrics to evaluate their performance.	Solid Waste Management	City of Tucson, AZ	Tucson Resilient Together	119	RR-4.1	Ongoing

Solution Classification	Resilience Solution	Resilience Solution Type	Community	Plan	Page #	Strategy ID	Implementation Period
Action Types	Partner with businesses to identify opportunities for waste reduction and diversion and to facilitate information-sharing on new technologies.	Solid Waste Management	City of Tucson, AZ	Tucson Resilient Together	119	RR-4.2	Ongoing
Action Types	Redirect quality, edible food to local food recovery programs	Sustainable Agriculture and Food Security	Kansas City Region	KC Regional Climate Action Plan	116	FA 1.1	5-year
Action Types	Support farmers and ranchers with resources to ease the transition to agriculture practices that provide environmental services and that slow/prevent climate change	Sustainable Agriculture and Food Security	Kansas City Region	KC Regional Climate Action Plan	118	FA 1.3	1-year
Action Types	Expand market demand for local food by increasing local food purchasing through the promotion of existing institutional purchasing and farm-to-school programs	Sustainable Agriculture and Food Security	Kansas City Region	KC Regional Climate Action Plan	119	FA 2.1	3-year
Action Types	Scale up local food production to respond to increasing demand for local food	Sustainable Agriculture and Food Security	Kansas City Region	KC Regional Climate Action Plan	120	FA 2.2	3-year
Action Types	Increase the number of neighborhood urban farms, gardens and orchards	Sustainable Agriculture and Food Security	Kansas City Region	KC Regional Climate Action Plan	121	FA 2.3	3-year
Action Types	Expand participation in programs that increase local food access for low- and moderate-income people	Sustainable Agriculture and Food Security	Kansas City Region	KC Regional Climate Action Plan	123	FA 2.5	3-year
Action Types	Make Port Angeles food secure by promoting sustainable agriculture and multiple sources for food procurement.	Sustainable Agriculture and Food Security	City of Port Angeles, WA	Port Angeles Implementation Plan (Addendum to the Climate Resiliency Plan)	13	Strategy CRW-1. #2	Mid-term (4-6 years)
Action Types	Plan for a climate ready transportation network.	Transportation	City of San Diego, CA	Climate Resilient SD	86	Policy CCS-3-2	Near, Ongoing
Action Types	Provide grid resilience services via grid-integrated vehicle programs, piloting diverse services like demand response, emergency backup, and demand charge reduction through three electric vehicle integration modes: Grid-to-Vehicle, Vehicle-to-Building, and Vehicle-to-Grid.	Transportation	City of San Diego, CA	Climate Resilient SD	67	Policy CI-2-1	Near to Mid
Action Types	Coordinate with local transit agencies for resilient public transit systems upgrades with future climate conditions.	Transportation	City of San Diego, CA	Climate Resilient SD	68	Policy CI-3-2	Near, Ongoing
Action Types	Support the expansion and management of an active transportation network and provide safe, accessible active transportation infrastructure.	Transportation	City of San Diego, CA	Climate Resilient SD	71	Policy RE-2-1	Near, Ongoing
Action Types	Create cooler commutes through shaded bus stops, cool pathways, and other mobility improvements.	Transportation	City of Boston, MA	Heat Resilience Solutions for Boston	242	7.1	From year 4 to year 5 & onwards
Action Types	Increase and target sustainable, mixed-use and mixed-income development at key activity centers and corridors where infrastructure is already in place. Priority should be given to existing environmental justice (EJ) areas that include activity centers and corridors.	Transportation	Kansas City Region	KC Regional Climate Action Plan	62	T-LU 1.1	underway

Solution Classification	Resilience Solution	Resilience Solution Type	Community	Plan	Page #	Strategy ID	Implementation Period
Action Types	Extend electric vehicle charging infrastructure across the region, recognizing the importance of concentrated, mixed land use in mitigating vehicle-related emissions and acknowledging the significant potential of electric vehicle technology	Transportation	Kansas City Region	KC Regional Climate Action Plan	65	T-LU 2.1	underway
Action Types	Implement EV car-sharing in low-income communities by researching existing models and business strategies, and conducting a feasibility study to explore the development of such programs, including identifying potential car-share locations.	Transportation	Kansas City Region	KC Regional Climate Action Plan	66	T-LU 2.2	5-year
Action Types	Electrify municipal, transit agency and other public fleets by informing public agencies about available funding for alternative fuel vehicle purchases and encouraging applications.	Transportation	Kansas City Region	KC Regional Climate Action Plan	67	T-LU 2.3	underway
Action Types	Mandate that all multifamily housing and other types of housing have electric vehicle parking capacity, and include incentives in the code to support bicycle storage (i.e., racks) and rideshare amenities.	Transportation	City of Port Angeles, WA	Port Angeles Implementation Plan (Addendum to the Climate Resiliency Plan)	29	Strategy BE-1. #42	Short-term (2-4 years)
Action Types	Support Clallam Transit in expanding public transit infrastructure and services to ensure access to buses is available at all times and decrease the need for travel in single-occupancy vehicles.	Transportation	City of Port Angeles, WA	Port Angeles Implementation Plan (Addendum to the Climate Resiliency Plan)	23	Strategy T-1 #30	Mid-term (4-6 years)
Action Types	Work with Peninsula Regional Transportation Planning Organization to develop strategies and expand infrastructure to increase the use of electric vehicles.	Transportation	City of Port Angeles, WA	Port Angeles Implementation Plan (Addendum to the Climate Resiliency Plan)	24	Strategy T-1 #31	Early win (1-2 years)
Action Types	Develop and expand infrastructure to support biking, walking, and e-mobility (e.g., scooters), including walkability and bikeability across highways, busy interchanges, and other busy streets (e.g., Blyn).	Transportation	City of Port Angeles, WA	Port Angeles Implementation Plan (Addendum to the Climate Resiliency Plan)	24	Strategy T-1 #32	Long-term (6+ years)
Action Types	Support and incentivize electrification and lower emissions of transportation in the City.	Transportation	City of Port Angeles, WA	Port Angeles Implementation Plan (Addendum to the Climate Resiliency Plan)	25	Strategy T-1 #33	Long-term (6+ years)
Action Types	Encourage the County, school districts, Olympic National Park, private sector (e.g., delivery), mass transit on Hurricane Ridge Road, and others to move towards electric fleets.	Transportation	City of Port Angeles, WA	Port Angeles Implementation Plan (Addendum to the Climate Resiliency Plan)	25	Strategy T-1 #34	Mid-term (4-6 years)
Action Types	Implement a vehicle trip reduction policy incorporating teleconferencing/telecommuting and alternative work schedules where practical. Establish video and/or web conferencing abilities in all major City and County facilities. Consider incentivizing teleworking, providing free bus passes for City employees, and offering City employees 0% or low-interest loans to purchase electric or hybrid cars/e-bikes/bikes.	Transportation	City of Port Angeles, WA	Port Angeles Implementation Plan (Addendum to the Climate Resiliency Plan)	26	Strategy T-1 #36	Early win (1-2 years)

Solution Classification	Resilience Solution	Resilience Solution Type	Community	Plan	Page #	Strategy ID	Implementation Period
Action Types	Work with state and local partners (e.g., Ecology, vehicle sellers) to support implementation of the Washington Advanced Clean Trucks policy, which requires 75% of medium-duty vehicles (e.g., box trucks) and 40% of heavy-duty vehicles (e.g., semis) delivered to Washington to be zero-emission vehicles by 2035, and leverage alternative modes of transportation where available.	Transportation	City of Port Angeles, WA	Port Angeles Implementation Plan (Addendum to the Climate Resiliency Plan)	26	Strategy T-1 #37	Long-term (6+ years)
Action Types	Support, maintain, and expand infrastructure along the East Coast Greenway Trail through the City along North Atlantic Ave. and SR A1A, aligning with the vision of a bikeable and walkable community to promote ecotourism and environmentally friendly transportation.	Transportation	City of Cape Canaveral, FL	Resilient Cape Canaveral Action Plan	54	Preparedness Target 15	Current
Action Types	Conduct research and assess micromobility options, such as e-bikes, e-scooters, traditional bicycles, cargo bicycles, and door-to-door ride-sharing services, to enhance transportation accessibility in and around the City.	Transportation	City of Cape Canaveral, FL	Resilient Cape Canaveral Action Plan	54	Preparedness Target 16	5 years
Action Types	Create a kayak trail along the City's lagoon shoreline, connecting Banana River, Manatee Sanctuary, Long Point, and Center Street Parks, aiming to enhance ecotourism attractions and provide non-polluting, environmentally friendly alternative transportation options for residents and visitors.	Transportation	City of Cape Canaveral, FL	Resilient Cape Canaveral Action Plan	55	Preparedness Target 17	5 years
Action Types	Ensure universal EV accessibility for all City facilities to promote EV use in the community, build necessary infrastructure for EV fleet deployment, enhance fleet resiliency during storms or fuel shortages, and enable grid-independent charging stations through connections to renewable energy systems and batteries, in alignment with Target 19.	Transportation	City of Cape Canaveral, FL	Resilient Cape Canaveral Action Plan	55	Preparedness Target 18	5 years
Action Types	Implement a citywide carbon dioxide emissions tracking program for the vehicle fleet to baseline transportation emissions load, gain insights into emissions from specific vehicles, and enable targeted efforts to transition high-emission vehicles to cleaner alternative fuels.	Transportation	City of Cape Canaveral, FL	Resilient Cape Canaveral Action Plan	56	Preparedness Target 19	5 years
Action Types	Work with the Florida Department of Transportation (FDOT) and the Space Coast Transportation Planning Organization (SCTPO) to explore and research innovative policies and technologies that improve vehicular and pedestrian safety along State Road (SR) A1A and implement as feasible and appropriate.	Transportation	City of Cape Canaveral, FL	Resilient Cape Canaveral Action Plan	56	Preparedness Target 20	15 years
Action Types	Ensure that all EV charging stations at City facilities are powered by renewable energy and equipped with battery storage systems.	Transportation	City of Cape Canaveral, FL	Resilient Cape Canaveral Action Plan	57	Preparedness Target 21	15 years

Solution Classification	Resilience Solution	Resilience Solution Type	Community	Plan	Page #	Strategy ID	Implementation Period
Action Types	Convert all City fleet vehicles to alternative fueled vehicles.	Transportation	City of Cape Canaveral, FL	Resilient Cape Canaveral Action Plan	57	Preparedness Target 22	15 years
Action Types	Ensure all City bus stops are covered and appropriately illuminated via solar powered lighting.	Transportation	City of Cape Canaveral, FL	Resilient Cape Canaveral Action Plan	57	Preparedness Target 23	15 years
Action Types	Where feasible, transition City roadways to bikeable and walkable Complete Street designs that follow the City's Vision Statement and include the installation of ADA compliant sidewalks.	Transportation	City of Cape Canaveral, FL	Resilient Cape Canaveral Action Plan	58	Preparedness Target 24	30 years
Action Types	Identify opportunities to use electric vehicles (including buses and utility vehicles) to provide backup power through vehicle-to-load (V2L) capabilities, as well as vehicle-to-grid (V2G) and/or vehicle-to-building (V2B) capabilities available in the future.	Transportation	City of Tucson, AZ	Tucson Resilient Together	93	E-4.6	Ongoing
Action Types	Use various funding sources, including Prop 411, to implement bicycle, pedestrian, and other zeroemission mobility projects identified in Move Tucson to create a transportation network aligned with the Complete Streets approach.	Transportation	City of Tucson, AZ	Tucson Resilient Together	102	T-1.1	Ongoing
Action Types	Promote walking, biking, and rolling by creating attractive and universally accessible street environments through ADA ramps, traffic signal safety enhancements, accessible seating, shaded sidewalks, protected bike paths and lanes, bike- and scooter-share programs, and other improvements.	Transportation	City of Tucson, AZ	Tucson Resilient Together	102	T-1.2	Ongoing
Action Types	Create additional financial and zoning incentives to add more convenient locations for bike parking at commercial and multi-family developments and encourage these developments to locate near existing transit and bike share stations where viable. Explore staffing opportunities to track compliance of bike parking development codes city-wide.	Transportation	City of Tucson, AZ	Tucson Resilient Together	102	T-1.3	Ongoing
Action Types	Develop or support K-12 walk- and bike-to-school programming.	Transportation	City of Tucson, AZ	Tucson Resilient Together	102	T-1.4	Ongoing
Action Types	Increase safety for all road users, including pedestrians and bicyclists, by eliminating lanes on wide roads and creating public space, walkways, enhanced crossings and signals, and protected bike lanes.	Transportation	City of Tucson, AZ	Tucson Resilient Together	102	T-1.5	Ongoing
Action Types	Maintain and expand the Frequent Transit Network to increase Sun Tran service frequency and improve Sun Tran bus service.	Transportation	City of Tucson, AZ	Tucson Resilient Together	103	T-2.1	1-5 years
Action Types	In partnership with Sun Link and Sun Tran, identify options for expanding streetcar, bus rapid transit (BRT) and/or local bus access to underserved communities.	Transportation	City of Tucson, AZ	Tucson Resilient Together	103	T-2.2	1-5 years

Solution Classification	Resilience Solution	Resilience Solution Type	Community	Plan	Page #	Strategy ID	Implementation Period
Action Types	Establish partnerships with local institutions (e.g., school districts, the University of Arizona, and other major employers) to provide free transit or reduced fares for students, youth, seniors, low-income riders, and riders with disabilities.	Transportation	City of Tucson, AZ	Tucson Resilient Together	103	T-2.3	1-5 years
Action Types	Pilot a transit ambassadors program to support a safe and comfortable experience for Sun Link and Sun Tran riders, and additionally provide information on climate preparedness.	Transportation	City of Tucson, AZ	Tucson Resilient Together	103	T-2.4	1-5 years
Action Types	Improve bus transit customer protection, access, and comfort by installing ADA accessible features, shelter, trees, boulders, noise mitigation, and other enhancements at bus stops.	Transportation	City of Tucson, AZ	Tucson Resilient Together	103	T-2.5	1-5 years
Action Types	Compile data on bus shelters and accessibility, resilience, and protection features and upload onto a public database or map.	Transportation	City of Tucson, AZ	Tucson Resilient Together	103	T-2.6	1-5 years
Action Types	Commission a First-Mile/Last-Mile study to identify supplemental solutions for communities with low proximity or access to public transportation, including microtransit and micromobility options.	Transportation	City of Tucson, AZ	Tucson Resilient Together	103	T-2.7	1-5 years
Action Types	Utilize urban overlays and anti-displacement measures to incentivize higher density mixed-use, mixed-income, and affordable housing developments in areas with high-frequency transit.	Transportation	City of Tucson, AZ	Tucson Resilient Together	104	T-3.2	Ongoing
Action Types	Update development standards and create tools to incentivize higher density affordable housing development, particularly along transit corridors to increase mobility options for lower income households, in line with the Housing Affordability Strategy for Tucson (HAST).	Transportation	City of Tucson, AZ	Tucson Resilient Together	104	T-3.3	Ongoing
Action Types	Expand contextually-appropriate 'missing middle' housing (i.e., duplexes, triplexes, and fourplexes) through the General Plan update, initiatives, and code changes to encourage walkability and increase housing option diversity.	Transportation	City of Tucson, AZ	Tucson Resilient Together	104	T-3.4	Ongoing
Action Types	Revise traffic engineering standards for new development and roadway design, to prioritize multimodal trips rather than designing to the 'worst case' of vehicular traffic impacts.	Transportation	City of Tucson, AZ	Tucson Resilient Together	105	T-3.5	Ongoing
Action Types	Assess parking needs within key areas with quality options for walking, biking, rolling, and public transportation, and explore solutions to reduce excessive parking, including but not limited to reducing parking minimums, establishing parking maximums, conducting a parking inventory, increasing efficiency in residential parking permit districts, and implementing dynamic pricing.	Transportation	City of Tucson, AZ	Tucson Resilient Together	105	T-3.6	Ongoing

Solution Classification	Resilience Solution	Resilience Solution Type	Community	Plan	Page #	Strategy ID	Implementation Period
Action Types	Join the C40 Green and Healthy Streets declaration to ensure a major area of Tucson is zero-emission by 2030.	Transportation	City of Tucson, AZ	Tucson Resilient Together	105	T-3.7	Ongoing
Action Types	Launch a subsidized all-electric bike share and car share program that prioritizes neighborhoods with lower rates of household access to vehicles and support an electric bike rebate program and e-bike lending library which lower barriers to active modes of transportation.	Transportation	City of Tucson, AZ	Tucson Resilient Together	106	T-4.1	Ongoing
Action Types	Adopt a voluntary zero emissions delivery zone, spaces designated to prioritize deliveries from zero-emission modes of transportation.	Transportation	City of Tucson, AZ	Tucson Resilient Together	106	T-4.2	Ongoing
Action Types	Pursue public-private partnerships to install EV charging stations on City-owned land.	Transportation	City of Tucson, AZ	Tucson Resilient Together	106	T-4.3	Ongoing
Action Types	Build on recently passed EV code amendments and create specific EV charging station provisions for affordable housing developments.	Transportation	City of Tucson, AZ	Tucson Resilient Together	106	T-4.4	Ongoing
Action Types	Explore opportunities community-wide for the installation of grid-independent EV charging stations.	Transportation	City of Tucson, AZ	Tucson Resilient Together	106	T-4.5	Ongoing
Action Types	Offer subsidized electric vehicle charging for City employees, made publicly accessible during off-hours.	Transportation	City of Tucson, AZ	Tucson Resilient Together	106	T-4.6	Ongoing
Action Types	Partner with major employers to install charging stations.	Transportation	City of Tucson, AZ	Tucson Resilient Together	106	T-4.7	Ongoing
Action Types	Encourage rideshare services and delivery companies to incorporate EVs into their fleets.	Transportation	City of Tucson, AZ	Tucson Resilient Together	106	T-4.8	Ongoing
Action Types	Implement a fleet management plan that mandates all newly purchased City vehicles (including replacements) are zero-emission vehicles and implements fleet efficiency evaluations to ensure that the City does not own or use more vehicles than it needs at any time. Implement the introduction of bicycles and e-bikes as fleet vehicles to replace the use of small passenger vehicles and cargo bikes to replace the use of utility vans, where applicable.	Transportation	City of Tucson, AZ	Tucson Resilient Together	107	T-5.1	Ongoing
Action Types	Develop capital project plans to install charging stations to meet the projected demand of fleet vehicles.	Transportation	City of Tucson, AZ	Tucson Resilient Together	107	T-5.2	Ongoing
Action Types	Develop implementation plan for replacement of City-owned medium-to-heavy duty vehicles with zero and near zero emission vehicles.	Transportation	City of Tucson, AZ	Tucson Resilient Together	107	T-5.3	Ongoing
Action Types	Partner with school districts to electrify school bus fleets.	Transportation	City of Tucson, AZ	Tucson Resilient Together	107	T-5.4	Ongoing
Action Types	Create a funding and purchase plan for battery electric buses, paratransit vehicles, and other zero emission vehicles across all public transportation services.	Transportation	City of Tucson, AZ	Tucson Resilient Together	107	T-5.5	Ongoing

Solution Classification	Resilience Solution	Resilience Solution Type	Community	Plan	Page #	Strategy ID	Implementation Period
Action Types	Provide financial incentives to encourage sustainable transportation choices for commuting, and create a permanent remote or hybrid work option for applicable City employees (dependent on role and need) with applicable guidelines to ensure effectiveness, efficiency, and accountability.	Transportation	City of Tucson, AZ	Tucson Resilient Together	108	T-6.1	Ongoing
Action Types	Provide secure short-term and long-term bicycle parking options at City-owned buildings and shower facilities, lockers and bike repair stations made accessible at no-cost for City employees, and revise existing Administrative Directives (AD 6.03-1).	Transportation	City of Tucson, AZ	Tucson Resilient Together	108	T-6.2	Ongoing
Action Types	Institute a no-idling policy for city vehicles, prioritizing areas with high pedestrian traffic, school zones, and other pollution-sensitive areas.	Transportation	City of Tucson, AZ	Tucson Resilient Together	108	T-6.3	Ongoing
Action Types	Establish 15-minute neighborhoods, envisioning communities where residents can conveniently access most daily necessities within a 15-minute walk	Transportation	City of Tucson, AZ / Kansas City Region	Tucson Resilient Together / KC Regional Climate Action Plan	104 / 63	T-3.1 / T-LU 1.2	Ongoing / 1-3-year
Action Types	Create more protected and connected bike lanes, greenways, sidewalks and electric bike and scooter share systems	Transportation	Kansas City Region	KC Regional Climate Action Plan	68	T-LU 3.1	underway
Action Types	Build out the Smart Moves transit and mobility system, including the network of mobility hubs	Transportation	Kansas City Region	KC Regional Climate Action Plan	69	T-LU 3.2	underway
Action Types	Encourage a shift to other modes of transportation through parking policy	Transportation	Kansas City Region	KC Regional Climate Action Plan	70	T-LU 3.3	underway
Action Types	Redesign and upgrade critical and vulnerable infrastructure by gathering data, mapping at-risk transportation infrastructure, prioritizing green infrastructure in vulnerable populations.	Transportation	Kansas City Region	KC Regional Climate Action Plan	71	T-LU 4.1	underway
Action Types	Use technology to monitor integrity of transportation infrastructure and relay real-time data to ensure responsiveness and limit disruptions to users	Transportation	Kansas City Region	KC Regional Climate Action Plan	72	T-LU 4.2	underway
Action Types	Integrate water resource and transportation system planning, design and management	Transportation	Kansas City Region	KC Regional Climate Action Plan	73	T-LU 4.3	1-3-year
Planning Elements	Increase power outage resilience by collaborating with utilities to explore advanced metering and monitoring technologies for enhanced outage tracking, assessing the costs and benefits of strategically focused regional buried powerline projects, and identifying community centers suitable for development into resilience centers/shelters.	Utility Planning & Engagement	Kansas City Region	KC Regional Climate Action Plan	83	EG-3.3	underway

Solution Classification	Resilience Solution	Resilience Solution Type	Community	Plan	Page #	Strategy ID	Implementation Period
Planning Elements	Review and renegotiate the Bonneville Power franchise agreement, consistent with the Western Public Agency Group's Post-2028 Concept Paper, ensuring renewable, resilient, and low-greenhouse gas emission sources that protect healthy habitat for salmon and other aquatic species. Include the option to purchase green energy from the grid and other power providers.	Utility Planning & Engagement	City of Port Angeles, WA	Port Angeles Implementation Plan (Addendum to the Climate Resiliency Plan)	29	Strategy BE-1. #41	Long-term (6+ years)
Planning Elements	Incentivize electrification of the city's Port infrastructure and allow marine electrification (plugs on docks for idling ships).	Utility Planning & Engagement	City of Port Angeles, WA	Port Angeles Implementation Plan (Addendum to the Climate Resiliency Plan)	25	Strategy T-1 #35	Mid-term (4-6 years)
Planning Elements	Work with Florida Power and Light (FPL), industry experts and local universities to develop and implement smart and microgrid technologies where feasible.	Utility Planning & Engagement	City of Cape Canaveral, FL	Resilient Cape Canaveral Action Plan	61	Preparedness Target 25	5 years
Planning Elements	Collaborate with FPL and other partners to research and assess the feasibility of a utility-scale battery storage facility aimed at delivering emergency power or supporting peak operations city-wide	Utility Planning & Engagement	City of Cape Canaveral, FL	Resilient Cape Canaveral Action Plan	62	Preparedness Target 28	5 years
Planning Elements	Engage with Tucson Electric Power and Trico to expedite the shift to renewable electricity supplied to the City and community.	Utility Planning & Engagement	City of Tucson, AZ	Tucson Resilient Together	92	E-3.1	Ongoing
Planning Elements	Work with community advocates and other jurisdictions to co-form a community choice energy program or joint powers authority to procure 100% renewable power for Tucson.	Utility Planning & Engagement	City of Tucson, AZ	Tucson Resilient Together	92	E-3.2	Ongoing
Planning Elements	Commission a feasibility study on the formation of a public power utility, ahead of Tucson Electric Power's franchise agreement expiration (2025).	Utility Planning & Engagement	City of Tucson, AZ	Tucson Resilient Together	92	E-3.3	Ongoing
Planning Elements	Pursue solar service agreements (SSAs) or virtual power purchase agreements (PPAs) to meet the City's power needs for municipal operations.	Utility Planning & Engagement	City of Tucson, AZ	Tucson Resilient Together	92	E-3.4	Ongoing
Planning Elements	Coordinate with electric utilities to install battery energy storage systems in City-owned buildings and carports, with an emphasis on combined solar + storage for community-serving critical facilities.	Utility Planning & Engagement	City of Tucson, AZ	Tucson Resilient Together	93	E-4.2	Ongoing
Action Types	Continue to update the Urban Water Management Plan every five years to reexamine future vulnerabilities to the City water supply.	Water and Wastewater Management	City of San Diego, CA	Climate Resilient SD	84	Policy CCS-2-1	Near, Ongoing
Action Types	Promote water conservation through updates to the City's irrigation system.	Water and Wastewater Management	City of San Diego, CA	Climate Resilient SD	85	Policy CCS-2-11	Mid
Action Types	Continue efforts to diversify the City's water supply sources and reduce dependence on imported water.	Water and Wastewater Management	City of San Diego, CA	Climate Resilient SD	84	Policy CCS-2-2	Near, Ongoing
Action Types	Promote stormwater as a resource concept by implementing capture and reuse technologies where feasible.	Water and Wastewater Management	City of San Diego, CA	Climate Resilient SD	84	Policy CCS-2-3	Near to Mid

Solution Classification	Resilience Solution	Resilience Solution Type	Community	Plan	Page #	Strategy ID	Implementation Period
Action Types	Replace or rehabilitate water and wastewater pipes to maintain a state of good repair, minimize breaks and ensure structural integrity in the face of climate change hazards such as flooding.	Water and Wastewater Management	City of San Diego, CA	Climate Resilient SD	84	Policy CCS-2-4	Long
Action Types	As Water Design Guidelines and Sewer Design Guidelines are updated, consider climate change impacts, such as sea level rise, coastal erosion, and changes in precipitation.	Water and Wastewater Management	City of San Diego, CA	Climate Resilient SD	84	Policy CCS-2-5	Mid
Action Types	Account for projected changes in precipitation and sea level rise in water and wastewater planning.	Water and Wastewater Management	City of San Diego, CA	Climate Resilient SD	84	Policy CCS-2-6	Near to Mid
Action Types	Prepare and implement a facility climate change action plan for Point Loma Wastewater Treatment Plant.	Water and Wastewater Management	City of San Diego, CA	Climate Resilient SD	85	Policy CCS-2-7	Near
Action Types	Continue efforts to increase wastewater diversion to further reduce the likelihood of sanitary sewer overflow.	Water and Wastewater Management	City of San Diego, CA	Climate Resilient SD	85	Policy CCS-2-8	Near to Mid
Action Types	Conduct detailed site assessments at active, identified vulnerable waste and wastewater facilities and identify climate change hazard risk mitigation options.	Water and Wastewater Management	City of San Diego, CA	Climate Resilient SD	85	Policy CCS-2-9	Mid to long
Action Types	Promote water conservation, water reuse and best management practices in local businesses and industry.	Water and Wastewater Management	City of San Diego, CA	Climate Resilient SD	73	Policy RE-4-2	Near, Ongoing
Action Types	Expand water use efficiency programs	Water and Wastewater Management	Kansas City Region	KC Regional Climate Action Plan	109	BE 2.5	Underway
Action Types	Work with county- and state-level partners to identify monitoring needs and enhance water supply monitoring. Develop and implement a local groundwater strategy that includes study of the local aquifer and actions to address groundwater issues near bluffs.	Water and Wastewater Management	City of Port Angeles, WA	Port Angeles Implementation Plan (Addendum to the Climate Resiliency Plan)	14	Strategy CRW-1. #5	Mid-term (4-6 years)
Action Types	Evaluate wastewater facility to reduce greenhouse emissions and build resilience to climate impacts such as landslides.	Water and Wastewater Management	City of Port Angeles, WA	Port Angeles Implementation Plan (Addendum to the Climate Resiliency Plan)	31	Strategy CW-1. #48	Long-term (6+ years)
Action Types	Reduce water consumption through education and incentive programs.	Water and Wastewater Management	City of Port Angeles, WA	Port Angeles Implementation Plan (Addendum to the Climate Resiliency Plan)	32	Strategy CW-2. #55	Mid-term (4-6 years)
Action Types	Integrate projected increases in wildfire frequency and intensity into watershed management and planning, dam and raw water reservoir operations, and dam emergency planning, in alignment with the City's Climate Action Plan.	Wildfire Management	City of San Diego, CA	Climate Resilient SD	85	Policy CCS-2-10	Mid
Action Types	Conduct site assessments at City facilities and ensure effective management of vegetation, defensible space, and hardening of assets as feasible for wildfire preparedness.	Wildfire Management	City of San Diego, CA	Climate Resilient SD	86	Policy CCS-3-5	Mid

Solution Classification	Resilience Solution	Resilience Solution Type	Community	Plan	Page #	Strategy ID	Implementation Period
Action Types	Develop an ecosystem fire recovery master plan to address revegetation and post-fire treatments for open space and community parks affected by wildfire, outlining implementation actions for post-fire treatments to protect and improve ecosystem health.	Wildfire Management	City of San Diego, CA	Climate Resilient SD	77	Policy TNE-1-1	Near to Mid
Action Types	Conduct regular brush management in high wildfire risk zones.	Wildfire Management	City of San Diego, CA	Climate Resilient SD	78	Policy TNE-2-3	Near, Ongoing
Action Types	Provide education and incentives for new construction and incentivize existing buildings to install venting and other features that resist ember wash ignition.	Wildfire Management	City of Port Angeles, WA	Port Angeles Implementation Plan (Addendum to the Climate Resiliency Plan)	17	Strategy CRW-1. #13	Mid-term (4-6 years)