5 Appendix II – Other Communities' Approaches

Title	Region	Location	Community Type	Description of work	Year	Link(s)
Resilient Fairfax: Climate Adaptation and Resilience Plan	Mid-Atlantic	Fairfax County, VA	Local government (county)	The plan provides a framework to guide the County's resilience action. The plan is organized under 4 pillars: Integrated Action Planning, Climate Ready Communities, Resilient Infrastructure and Buildings, and Adaptive Environments. The adaptation and resilience strategies detailed in this plan include proactive and collaborative planning and funding efforts; infrastructure investments that account for changing climate conditions; connected and resilient communities that have access to the resources they need; and natural environments that provide a range of nature-based resilience benefits for the county and its residents.	2022	Resilient Fairfax: Climate Adaptation and Resilience Plan
Montgomery County Climate Action Plan: Building a Healthy, Equitable, Resilient Community Plan	Mid-Atlantic	Montgomery County, MD	Local government (county)	The County's strategic plan to cut GHG emissions also details the effects of a changing climate on Montgomery County. It includes strategies to reduce climate-related risk to the County's residents, businesses, and the built and natural environment. The 86 climate actions included in the CAP outline the path to meet the County's ambitious climate goals while building a healthy, equitable, and resilient community. The plan notes that tackling climate change requires transforming the basic building blocks of modern society. The urgency of climate change inspires Montgomery County to serve as a model for other jurisdictions.	2021	Montgomery County Climate Action Plan: Building a Healthy, Equitable, Resilient Community Plan
City of Pittsburgh Climate Action Plan	Mid-Atlantic	Pittsburgh, PA	Local government (city)	The CAP 3.0 takes a renewed approach to climate change mitigation by presenting action plans and strategies regarding six key areas: Energy Generation & Distribution, Buildings & End Use Efficiency, Transportation & Land Use, Waste & Resource Recovery, Food & Agriculture, and Urban Ecosystems.	2018	City of Pittsburgh Climate Action Plan
Resilient Communities, Maryland	Mid-Atlantic	Washington, DC	Community NGO focused across state (MD)	The project team is developing an equitable, community-driven energy resilience framework (to be replicated across Maryland) for increased public safety and improve preparedness and recovery in the event of hazardous events and extended grid outages. This framework combines community-defined resilience metrics and includes resilience hub siting, design, and operations that are aligned with community-defined metrics; and broader energy equity considerations that link resilience efforts to the lived experience of the communities they serve in the context of both outage and regular operating conditions. Funding comes from the	2022	Renewables Advancing Community Energy Resilience (RACER) Funding Program

				Department of Energy's Renewables Advancing Community Energy Resilience (RACER) fund.		
Baltimore City Community Resiliency Hub Program	Mid-Atlantic	Baltimore, MD	Partnership between community organizations	This project is a community-centered initiative that increases community capacity to prepare for, withstand, and respond to natural hazard impacts and emergency situations. The goal of this program is to better connect frontline community organizations with focused support and resources so that, in the event of a natural disaster or emergency, there is improved provision of emergency response and recovery services to under-resourced neighborhoods and their most vulnerable residents. The Program is a partnership between service-based community organizations in Baltimore's most climate-vulnerable neighborhoods and the Office of Sustainability (BoS), Office of Emergency Management (OEM), and Department of Health (BCHD). The Office of Sustainability is the lead agency that is responsible for growing and managing the Program as a key strategy of Baltimore's Disaster Preparedness Plan (DP3). A priority goal of the Program is to outfit Community Resiliency Hub partner organizations with solar power and battery back-up capabilities to provide access to reliable power during an emergency, and increase access to RE and back-up power in LMI (low to moderate income) communities, reduces the utility cost burden for community organizations, and provides community training and workforce development opportunities. The team has also been awarded funding to support the purchase and installation of solar power and battery storage systems for four Community Resiliency Hub partner organizations. 4 Community Resiliency Hubs already have solar and battery back-up capabilities.	Ongoing, starting in ~2020	The Baltimore City Community Resiliency Hub Program
Converting a brownfield (landfill) into a solar project	Mid-Atlantic	Annapolis, MD	Local government (city)	A Brownfield landfill site was converted into a solar project. Multiple Community-Scale, Brownfield (Closed Landfill) – 50,000 solar panels, 12 Megawatt (MW) power generation total, 70 acres of land	2018	Solar Facility Siting Case Study: City of Annapolis Landfill
Virginia Economically Disadvantaged Communities Energy Resiliency Study	Mid-Atlantic	Virginia	VA DOE focused on VA's most economically disadvantged communities	The project team is conducting community-driven energy resiliency planning efforts in Virginia's most economically disadvantaged communities. The team will identify opportunities to use distributed energy resources like solar-plus-storage in ten different locations to maximize the benefits energy resiliency infrastructure for disaster response needs. The project will also provide communities with tools to assess, plan, and visualize solar-plus-storage developments to meet their specific needs while overcoming the barriers associated with community energy security planning. Funding comes from the Department of Energy's Renewables Advancing Community Energy Resilience (RACER) fund.	2022	Renewables Advancing Community Energy Resilience (RACER) Funding Program

City of Alexandria, Virginia Energy & Climate Change Action Plan	Mid-Atlantic	Alexandria, VA	Local government	The ECCAP describes a pathway and specific actions for the City and stakeholders, to include City staff and policymakers, individuals, and businesses and institutions, to reduce GHG emissions, as well as strategies to minimize the potential impacts of increasing extreme heat and flooding risks. It provides the City government, the community, and its partners a robust understanding of how the City is addressing climate change, and serves as a guidebook for how City resources will be prioritized and allocated. The ECCAP includes strategies and actions that will achieve these goals.	2023	City of Alexandria, Virginia Energy & Climate Change Action Plan
Data-Driven Community-Centered Resilient Assessment and Planning Toolkit for Nexus of Energy and Water (DCRAPT-NEW)	Mid-Atlantic	Detroit, MI nd Pittsburgh, PA	University research team focuses on two communities	The project team is developing an open-source, open-access, community-centered distributed energy resource planning tool for energy and water resilience enhancement in urban areas. The team aims to engage community members in Detroit, MI, and Pittsburgh, PA, analyze multiple layers of information and interaction between water and energy systems, and co-optimize planning and operation. The resulting tool will help to strategically install solar, energy storage, and other distributed energy resources, and to devise preparedness and response plans. Additionally, the project is considering mobile energy storage. Funding comes from DOE SETO RACER fund. Conducted by: Wayne State University (Detroit, MI); Principal investigator is Caisheng Wang	2022	Renewables Advancing Community Energy Resilience (RACER) Funding Program
Saint Paul Climate Action & Resilience Plan: A Framework for Our Community to Address the Impact of Climate Change	Midwest	Saint Paul, MN	Local government (city)	This plan identifies strategies to address vulnerabilities. Its the culmination of extensive energy, effort, and passion on the part of the public, private, and nonprofit sectors, as well as community members from across the city. The city has some other climate resilience initiatives launched in the past few years.	2019	Saint Paul Climate Action & Resilience Plan
Sabathani Community Center, the Minneapolis American Indian Center, and Renewable Energy Partners as Resilience Hubs	Midwest	South Minneapolis, MN	Community level	The project aimed to lower the Community Center building's carbon footprint and utility costs. The site will receive a rooftop solar array and an onsite storage battery. During outages, the batteries can be isolated from the larger grid to power the individual sites. South Minneapolis' historic Black community center had a zero energy efficiency rating, but is now becoming an example of green infrastructure and a potential refuge during weather emergencies.	2022	Sabathani Community Center transitions to clean energy example and resilience hub
For Follows Function (F3): A Framework for Community-based Energy Resilience Planning in the Midwest	Midwest	Duluth, MN	Local government (city)	This project is developing an innovative and replicable community-based energy resilience planning process in Duluth, MN, through deep engagement with diverse community stakeholders including utilities and government entities. The team is gaining a greater understanding of community needs during grid disruptions and is studying the deployment potential of solar-plus-storage and microgrids. When completed, the framework will inform resilient energy improvements for cold climate communities and will build off past disasters experienced	2022	Renewables Advancing Community Energy Resilience (RACER) Funding Program

				in northeastern Minnesota. Funding comes from the Department of Energy's Renewables Advancing Community Energy Resilience (RACER) fund.		
Solar-Assisted, Stakeholder-Engaged, Autonomous Restoration with Data Orchestration (Solar-HERO)	Midwest	Ramsey, MN	Conducted by NREL with focus on local government (city)	The team is developing an estimation tool that coordinates multiple datasets to enable real-time visibility of the grid in Ramsey, MN. The team will identify current gaps in information and the needs of community members before designing a cost-effective community visibility and controllability upgrade plan that enables automated restoration during power outages. Additionally, the team will develop a virtual emergency operations center to enable two-way interactions and coordination among different stakeholders to conduct rapid, automated, and equitable restoration. Funding comes from the Department of Energy's Renewables Advancing Community Energy Resilience (RACER) fund.	2022	Renewables Advancing Community Energy Resilience (RACER) Funding Program
Regional Climate Action Plan: Creating equitable and just resilience in the Kansas City region	Midwest	10 counties around Kansas City, KS	Regional cooperative - MARC (Mid-America Regional Council)	The Plan is a product of collaboration across the Kansas City metro areas, and represents the views of more than 1,000 community residents and stakeholders. It provides an ambitious voluntary framework to build sustainability, resilience and social equity — all within the context of everyone helping each other to achieve our shared goals and aspirations. It provides a clear starting point to initiate a range of actions that will build resilience over time.	2021	Regional Climate Action Plan: Creating equitable and just resilience in the Kansas City region
Stakeholder-Guided Holistic, Adaptive Framework for Enhancing Community Energy Resilience (SAFER)	Midwest	Ford County, KS	University (Kansas State University)	This project examines the fundamental relationships between disasters, power grid resources, socioeconomics, and social equity in Ford County, Kansas, an underserved rural area. The research team will produce a one-of-a-kind resilience analysis and planning tool that can enhance community energy resilience. It will enable decision makers to evaluate solar-plus-storage investments that can lead to measurable impacts on equity-driven resilience. This can serve as a benchmark for other communities in Kansas and beyond with the ability to be scaled nationally to increase system-level resilience. Funding comes from the Department of Energy's Renewables Advancing Community Energy Resilience (RACER) fund.	2022	Renewables Advancing Community Energy Resilience (RACER) Funding Program
Resilient Chicago: A Plan for Inclusive Growth and a Connected City	Midwest	Chicago, IL	Local government (city)	Resilient Chicago seeks to address 4 identified priority resilience challenges: Reducing disparities between Chicago's neighborhoods; Addressing the root causes of crime and violence; Ensuring the provision of critical infrastructure; and, Promoting engaged, prepared, and cohesive communities challenges by creating a more connected city where residents, neighborhoods, institutions, corporations, and government agencies are successfully connected in pursuit of economic opportunity, safety, security, and sustainability for all.	2019	Resilient Chicago

Latinos Progresando go all electric	Midwest	Chicago, IL	Community organization	At Latinos Progresando (a community organization that's an anchor for immigration, culture, and community services in Chicago's southwest side), the leaders been designing, acquiring, and renovating their new office space in what was previously a library building - including energy, water, health, and resilience upgrades, yet the barriers like time, budget, and access to technical services made assessing the options almost impossible. Ultimately, with a little creativity and collaboration, they became one of the first community organizations to go all-electric in the Chicago area. They conducted building updates (e.g., improved roof insulation, heat pump HVAC system) to improve energy resilience.	2021	NRDC: Community Resilience for All
Souldarity's plan for energy democracy	Midwest	Detroit, MI	Local NGO	Soulardarity (an NGO in Highland Park, MI) is installing solar streetlights to address previous equity issues.	2022	Building resilient communities: Soulardarity's plan for energy democracy
Detroit Climate Action Plan	Midwest	Detroit, MI	Local government (city)	A coalition of 26 businesses, environmental organizations, community groups, and universities in the Detroit area has produced the "Detroit Climate Action Plan." The CAP outlines specific ideas and attainable goals with benchmarks.	2017	Detroit Climate Action Plan
Royal Oak Sustainability and Climate Action Plan	Midwest	Royal Oak, MI	Local government	This plan's objectives and actions are expected to educate and empower municipal staff, businesses, institutions, and residents to implement energy and water waste reduction techniques, consider alternative mobility options, and engage in other sustainability and resilience measures. The objectives and actions are applicable to both the public and private sectors.	2022	Royal Oak Sustainability and Climate Action Plan
Ann Arbor's Sustainable Energy Utility (SEU)	Midwest	Ann Arbor, MI	Community level	The Ann Arbor SEU is a community-owned energy utility that provides electricity from local solar and battery storage systems installed on homes and businesses throughout the city. The SEU provides 100% clean, reliable, locally built, and affordable electricity; built by the community, for the community. It operates independently from the grid year-round.	2021	Ann Arbor's Sustainable Energy Utility (SEU)
Minneapolis community resilience centers (with DOE Communities LEAP funding)	Midwest	Minneapolis, MN	Department of Energy	Minneapolis was awarded a Communities LEAP grant to support community resilience centers' development. Xcel, the serving electric utility, is helping to fund certain aspects of the effort.	2023	Minneapolis, Minnesota | Department of Energy
Climate Ready Boston	Northeast	Boston, MA	Local government (city)	Climate Ready Boston was coordinated with Imagine Boston 2030 (the 1st citywide plan in 50 years) and 100 Resilient Cities to guide Boston toward a more affordable, equitable, connected, and resilient future. It provides an evaluation of potential impacts from Boston's 3 major climate hazards: extreme heat, stormwater flooding, and coastal and riverine flooding, and it identifies climate resilience initiatives to enable Boston to address these risks and continue to thrive in the face of climate change.	2016	Climate Ready Boston
Chelsea city microgrid	Northeast	Chelsea, MA	Local government (Small,	Chelsea city officials have been working with GreenRoots, a local EJ organization, since 2018 to assess climate risks and enact	2018	The Little City That Could: For Chelsea, MA, a new microgrid

			industrial city near Boston)	solutions, including the nation's first community-owned, cloud-based microgrid. Chelsea's microgrid (batteries) will equip key sites with limited backup power in emergencies.		means energy resilience
Citywide Resilience Plan: Resiliency for All	Northeast	Dover, NH	Local government (city)	A work plan for the City to equitably increase its resiliency, in fiscally responsible ways, across a variety of categories including public outreach, energy, food systems and ecosystem management. Emphasis is placed on items pertaining to the City Council Goals and the role the Planning and Community Development Department plays in supporting the work of citizen led bodies such as the Conservation Commission, Energy Commission and Open Lands Committee.	2023	Citywide Resilience Plan: Resiliency for All
Proactive: Predictive Community Outage Preparedness and Active Last Mile Visibility Feedback Autonomous Restoration	Northeast	Hartford and West Hartford, CT	University research team focuses on communities	The project team is developing a predictive community outage preparedness solution to achieve resiliency in Hartford and West Hartford, CT with solar and other distributed energy resources. The tool under development will transform traditionally manual grid restoration into two-layer outage prediction preparedness and real-time robust grid visibility. Hartford is home to a microgrid, while West Hartford has hundreds of homes with rooftop solar, a variety of critical service facilities, some of which have backup generators, and multiple residential and commercial loads. The team will closely work with community stakeholders throughout the project. Funding comes from DOE SETO RACER fund. Conducted by: University of Connecticut (Storrs, CT); Principal investigator is Junbo Zhao	2022	Renewables Advancing Community Energy Resilience (RACER) Funding Program
Green banks for community-based resilience projects	Northeast	CT	Connecticut Green Bank	A green bank accelerates the green economy using limited public dollars to attract multiples of private capital investment. In doing so, clean energy is more affordable and accessible to consumers. Established by the Connecticut General Assembly in July 2011, the Connecticut Green Bank supports the Governor's and Legislature's energy strategy to achieve cleaner, less expensive, and more reliable sources of energy while creating jobs and supporting local economic development. In 2021, the Green Bank's model was expanded to include new areas of environmental infrastructure, related to climate adaptation and resiliency, land conservation, parks and recreation, agriculture, water, waste and recycling, and environmental markets, including carbon offsets and ecosystem services.	2011	Connecticut Green Bank
Jersey City 2021 Climate And Energy Action Plan	Northeast	Jersey City, NJ	Local government (city)	It outlines the city's goals and strategies to reduce greenhouse gas emissions, increase energy efficiency, promote renewable energy, and adapt to the impacts of climate change. Some of the key actions are included.	2021	Jersey City Climate Energy Action Plan
Port Angeles Climate Resiliency Plan	Northwest	Port Angeles, WA	Local government (city)	The Plan was created to leverage the momentum of the 2016 Comprehensive Plan Update, which included myriad climate- and resilience-related goals and policies. The Plan is designed to build upon existing sustainability programs and efforts and the City will adopt the Plan as part of the 2022 Comprehensive Plan Amendment. The Plan	2022	Port Angeles Climate Resiliency Plan

				also increases opportunities for synergies across the region by complementing the work of our North Olympic Peninsula neighbors and partners. The Plan was developed in partnership with the community Climate Action Planning Group (ad-hoc volunteer group who have provided recommendations to increase resiliency in Port Angeles since 2019 and have strongly shaped the vision, priorities, strategies, and actions in the Plan).		
Planning for Solar investment at the Convergence of Resilience and Equity (SCORE)	Northwest	2 neighborhoods in Seattle, WA	Conducted by NREL with a focus on local communities	National Renewable Energy Laboratory (NREL) is conducting a neighborhood-scale quantification and valuation of the resilience benefits of new grid investments. Typical grid investment planning does not consider equity or resilience, and the resulting misalignment with the goals of the communities they support can exacerbate energy injustice and create vulnerabilities in the grid. This project seeks to leverage stakeholder engagement with 2 neighborhoods in Seattle, WA, to create a first-of-its-kind equity-informed, resilience-inclusive energy planning approach that can be emulated in other locations. Funding comes from the Department of Energy's Renewables Advancing Community Energy Resilience (RACER) fund.	2022	Renewables Advancing Community Energy Resilience (RACER) Funding Program
O'ahu Resilience Strategy	Pacific	Oahu, HI	Local government (county)	This Strategy outlines 44 actions to directly address the challenge of long-term affordability and the impacts of a climate crisis that is already driving islanders from their homes. Implementing this Strategy will make us economically more self-sufficient and safer as island people.	2019	O‘ahu Resilience Strategy 2019
Resilient Houston	South	Houston, TX	Local government (city)	A framework for collective action for every Houstonian; our diverse neighborhoods and watersheds; City departments; and local, regional, and global partners. The strategy links existing efforts with new ones that will collectively work to protect Houston against future disasters—from hurricanes to extreme heat waves—and chronic stresses such as aging infrastructure, poor air quality, and flooding. Resilient Houston was developed in partnership with hundreds of diverse stakeholders who determined goals and targets over the past year. It provides detailed actions and a framework for achieving them. While Resilient Houston is a City of Houston plan, its scope far exceeds what can be achieved by the city government alone. Every Houstonian has a role to play in building resilience. Only by leveraging present and future partnerships at the individual, neighborhood, bayou, city, and regional scale will we be successful.	2020	Resilient Houston
Converting a landfill into a solar facility	South	Houston, TX	Local government (city)	Planning on building 52 MW of utility-scale solar on a local, 240-acre former landfill site that has limited reuse potential. The solar array, which includes 2 MW of community solar, will provide clean, locally generated power and create economic benefits for the historically disadvantaged community surrounding the landfill. This is an example of community choosing to support the development of a larger-scale renewable energy project.	2019	Sunnyside Landfill Solar Project

Austin Resilience Hubs	South	Austin, TX	Local government (city)	The City of Austin is working alongside agency and community partners to activate six pilot hubs later in 2022. They will eventually form part of a citywide Resilience Hub Network of community-focused physical facilities that offer a variety of day-to-day services and support the community before, during, and after a disaster.	2022	City Plans Network of Resilience Hubs
Climate Resilience Action Plan for City Assets and Operations	South	Austin, TX	Local government (city)	The Plan provides an overview of climate projections for Austin, an assessment of potential extreme weather impacts to City-owned assets and operations, and strategies to mitigate those impacts.	2018	Climate Resilience Action Plan
Accelerating Resilience of the Community through Holistic Engagement and Use of Renewables (ARCHER) Planning Framework	South	Nashville, TN	Local community	The project team is developing a community-focused planning framework that uses distributed energy resources like solar to provide more energy resilience to prevent power disruptions caused by extreme weather events. The goal is to minimize the potential burden of outages on local residents, especially communities of color and low-income communities. The project team will deploy this framework in a historically Black neighborhood in Nashville, TN, an area directly impacted by a destructive tornado and derecho in 2020, which caused extended power outages. Funding comes from the Department of Energy's Renewables Advancing Community Energy Resilience (RACER) fund.	2022	Renewables Advancing Community Energy Resilience (RACER) Funding Program
Resilient305 Strategy	Southeast	Greater Miami & Beaches (partnership between Miami-Dade County, City of Miami and City of Miami Beach)	Local partnership	The purpose of this Strategy is to address resilience challenges (prioritized through intergovernmental and community collaboration; strong stakeholder engagement). 50 actions were identified in the Strategy, with 3 overarching goals: Places, People, and Pathways.	2019	Resilient305 Strategy
Resilient Cape Canaveral Action Plan	Southeast	Cape Canaveral, FL	Local government (city)	The plan was developed using findings and recommendations produced by the Vulnerability Assessment and other reliable resources. This plan gives City leadership vision, direction, and actionable items to work towards to improve resilience while also leading by example. Actionable items are broken down into 8 Action Categories that cover a wide range of municipal operations and functions - including energy.	2021	Resilient Cape Canaveral Action Plan
Babcock Ranch Resilience	Southeast	Babcock Ranch, FL	Local community	Babcock Ranch survived the 140-mph winds and flooding of Hurricane Ian in September 2022 virtually unscathed - solar energy, native plant materials and natural landscapes, buildings designed for hot, humid climates, etc. The "first solar powered town in America."	2023	Babcock Ranch: A Study in Resiliency
Resilient First Coast	Southeast	FL	Local partnership (counties)	Resilient Fist Coast (RFC) is the regional resiliency collaborative for Northeast Florida, which includes Baker, Clay, Duval, Flagler, Nassau, Putnam, and St. Johns counties. It is a formal partnership to work together to improve the resilience of the region. It is comprised of local governments, businesses, non-profit organizations, academia, and federal/ state agencies. A network of resiliency collaboratives exists in Florida and throughout the nation.	2023	Resilient First Coast

Clean, Affordable, and Resilient Energy Systems (CARES) for Socially Vulnerable and At-Risk Communities	Southeast	Orlando, FL	Conducted by University team with focus on vulnerable and at-risk communities	Project team is developing a geospatial framework to optimize the deployment of solar-plus-storage for the most vulnerable and at-risk communities in Central Florida and the Panhandle. The team will determine the relationship between extreme weather events and grid outages to quantify risk and vulnerability before selecting the optimal location to site solar and solar-plus-storage. Ultimately, this framework can be translated and scaled to other communities around the world with the end goal of helping provide clean, affordable, and resilient energy systems to those who need it most. Funding comes from the Department of Energy's Renewables Advancing Community Energy Resilience (RACER) fund.	2022	Renewables Advancing Community Energy Resilience (RACER) Funding Program
Triangle Regional Resilience Partnership	Southeast	NC (Durham County, Orange County, Town of Cary, Town of Chapel Hill, Citty of Durham, and City of Raleigh)	Local government cooperative initiative	A quantified assessment to help regional decision makers understand which assets are most vulnerable to specific threats and provide guidance on potential solutions. This regional assessment provides an initial framework to inform more detailed local plans and investments.	2019	Triangle Regional Resilience Partnership Resilience Assessment Technical Report
The City of Lakeland's first solar microgrid community	Southeast	Lakeland, FL	Local government (city)	The new 77-home subdivision, called Myrtlebrook, will be a self-sufficient neighborhood that is completely off the grid. The homes will all be solar-powered, with each home having its own solar panels and batteries, but they are all interconnected. There will also be a central energy storage area for the entire neighborhood. The $4.235 million project will be funded by Lakeland Electric, which will benefit from the excess power generated by the homes. The agreement calls for BlockEnergy to maintain the system for the first three years. After that, Lakeland Electric employees will maintain and repair. BlockEnergy will train Lakeland Electric workers to be ready to work on the equipment by 2028.	2023	Lakeland leaders prepare for city's first solar microgrid community (abcactionnews.com)
Green homes that can survive storms in Florida	Southeast	Mirabella community in Bradenton, FL	Local government	Mirabella, a new community in Florida, creates 158 sustainable houses specified to USGBC's highest standards.	2018	Florida developer hits home with green Mirabella community | U.S. Green Building Council (usgbc.org)
Tucson Resilient Together: Climate Action and Adaptation Plan	Southwest	Tucson, AZ	Local government (city)	In 2020, Tucson Mayor Regina Romero and the City Council declared a Climate Emergency, committing the City of Tucson to achieve carbon neutrality by 2030. Through the declaration, Mayor and Council directed the City to develop a Climate Action and Adaptation Plan (The Plan) to create a strategic pathway to reduce the City's emissions to net-zero by 2030. The Plan will outline the anticipated impacts of climate change across the City, identifying the areas and communities most vulnerable to those impacts.	2022	Tucson Resilient Together

Climate Resilient SD	West	San Diego, CA	Local government (city)	This is a comprehensive climate adaptation and resilience plan that addresses four primary climate change-related hazards for the City: extreme heat, extreme rainfall or drought, wildfires, and sea-level rise (SLR). A detailed citywide Climate Change Hazard Vulnerability Assessment evaluated the level of impact these climate change hazards will have on the City's people, assets, and resources. The plan includes renewable energy, battery energy storage systems, and microgrids as options to increase resilience in the face of energy disruptions.	2021	Climate Resilient SD
Microgrids in San Pasqual Band	West	San Pasqual Band of Mission Indians in nothern San Diego County	Tribal community	With the goal to be energy independent, in June 2022, the Tribe commissioned a hybrid solar-storage-liquid propane microgrid system to boost energy reliability and resilience on the Reservation. Designed to maintain critical building operations during emergency events, the microgrid will help maintain uninterrupted power supply to five essential tribal government facilities, including the administrative building, housing and security facilities, fire department, the education and preschool buildings (which also serve as the local emergency shelters), and the wastewater treatment plant.	2022	Microgrid Boosts San Pasqual Band's Energy Sovereignty & Security
Berkeley Resilience Strategy	West	Berkeley, CA	Local government (city)	The mission of this Resilience Strategy is to have a plan to advance preparedness and equity in Berkeley. Goal #2 is to 'Accelerate Access to Reliable and Clean Energy.' They also conducted the Berkeley Energy Assurance Transformation (BEAT) project, which explored how to design a clean energy microgrid The City researched building a clean energy microgrid community to provide power to critical facilities during power outages. After finding obstacles preventing the widespread adoption of microgrids, the city developed a more cost-effective solution to enhance the resilience of the city's facilities.	2022	Berkeley Resilience Strategy
Resilient San Francisco: Stronger Today, Stronger Tomorrow	West	San Francisco, CA	Local government	This Strategy outlines 4 goals seeking to address 6 key challenges to SF. Each goal has a series of actions, metrics, and initiatives. Resilient SF was developed in conjunction with 31 government agencies and 56 NGO and private sector organizations and lays out the City's resilience goals.	2016	Resilient San Francisco: Stronger Today, Stronger Tomorrow
Ensuring the Health and Safety of Vulnerable Populations from Extreme Heat in Moderate and Coastal Climates with Solar-Plus-Storage	West	Oakland and San Francisco, CA	Research lab to implement in local communities	Developing a framework for protecting communities and increasing resilience during heat waves for vulnerable populations in moderate climates. The project team will develop criteria for vulnerability and risk assessment based on existing climate modeling and other tools that provide downscaled local estimates for future heat waves. Using lab-developed tools, the team will determine the most effective residential active and passive cooling measures and quantify the resilience benefits of solar-plus-storage at various scales. Based on the developed energy resilience planning framework, the team will identify locations in Oakland and San Francisco where solar storage deployment can best support increased community energy resilience.	2022	Renewables Advancing Community Energy Resilience (RACER) Funding Program

				Funding comes from the Department of Energy's Renewables Advancing Community Energy Resilience (RACER) fund.		
A People-Centered Decision Support Tool for Enhancing Power Grid Resilience for the Navajo Nation	West	Crownpoint, NM	Local tribal community	To develop a comprehensive energy decision support tool for the Navajo Nation using a people-centered approach where the value of energy is quantified from the perspective of its impact on the tribal community. This project will bring together an inclusive team of experts in social science and multiple engineering fields, community partners, local government, and utilities to increase energy resilience for those both near and far from high population centers on the reservation. Funding comes from the Department of Energy's Renewables Advancing Community Energy Resilience (RACER) fund.	2022	Renewables Advancing Community Energy Resilience (RACER) Funding Program
Portland, OR legislation	West	Portland, OR	Local government (City)	In 2018, the Clean Energy Community Benefits Fund Initiative was passed, which requires large retailers to pay a 1% Clean Energy Surcharge on "gross revenues from retail sales in Portland, excluding basic groceries, medicines, and health care services." This helps fund green energy projects in communities most burdened by climate change (e.g., retrofits).	2018	Portland Clean Energy Community Benefits Fund (PCEF)
Community Energy Resilience Investment (CERI) Program	West	CA	Energy Commission	Program will fund projects across CA that increase community energy resilience and reliability, promote decarbonization of the electric system, improve energy justice and equity, and create good-paying jobs.	2020	Community Energy Resilience Investment (CERI) Program
2024 Energy Conservation Code Update	West	Boulder, CO	Local government (city)	The City of Boulder Energy Conservation Code sets minimum energy performance standards for newly constructed and renovated buildings. The city's current code is a more rigorous, local version of the 2018 International Energy Conservation Code. The city will host an in-person open house on Oct. 20 to discuss some of the major proposals. There will also be a public hearing in December and a questionnaire for those interested in providing feedback. The overall, long-term goal is to build high performing residential and commercial buildings that efficiently and effectively serve the needs of their occupants without contributing to the climate crisis.	2024	2024 Energy Conservation Code Update | City of Boulder (bouldercolorado.gov)
Disaster Preparedness	West	Berkeley, CA	Local government (city)	Prioritizing disaster preparedness by offering resources and information, it emphasizes being connected, ready, and informed about potential hazards like earthquakes, fires, winter storms, and poor air quality. The suggested actions include taking disaster readiness classes, subscribing to emergency alerts, and creating a personalized disaster plan and supply kit.	2017	Disaster Preparedness | City of Berkeley (berkeleyca.gov)
Climate Action Through Equity	West	Portland, OR	Local government (city)	Climate Action through Equity provides an overview of how equity in Portland and Multnomah County was integrated in Portland's 2015 Climate Action Plan. The case study educates users on city and county initiatives to serve communities of color and low-income populations, what actions the	2016	Climate Action Through Equity

				city took to support equity in the 2015 plan, and lessons learned from that process.		
Our People, Our Planet, Our Power	West	South Seattle	Community led research	The project was conducted by Puget Sound Sage and Got Green, two environmental justice organizations, to learn how their communities were experiencing climate change and what they wanted to see in policies and actions to address it. The report highlights the top concerns of the community members, such as housing affordability, food insecurity, health impacts, and displacement.	2016	Our People Our Planet Our Power
Game of Floods	West	County of Marin, CA	Local government (county)	The County of Marin, California's "Game of Floods" is an interactive game on sea level rise climate adaptation for Marin and the San Francisco Bay Area. The game is a model for public engagement and education on coastal adaptation - with information on climate impacts and adaptation options, encouraging discussions on the benefits and tradeoffs of adaptation measures.	2019	Award-Winning Sea Level Rise Game to Go on Sale (marincounty.org)
Grid Innovation Program (DOE)			Department of Energy	Provides $5 billion to support projects that use innovative approaches to transmission, storage, and distribution infrastructure to enhance grid resilience and reliability. Projects selected under this program will include interregional transmission projects, investments that accelerate interconnection of clean energy generation, and utilization of distribution grid assets to provide backup power and reduce transmission requirements. Innovative approaches can range from use of advanced technologies to innovative partnerships to the deployment of projects identified by innovative planning processes.	FY 22-26	Grid Innovation Program | Department of Energy
Preventing Outages and Enhancing the Resilience of the Electric Grid Grants program			Department of Energy	Split between $2.5 billion in matching grants for industry, also known as the Grid Resilience Utility and Industry Grants, and $2.3 billion in formula grants for States and Tribes, also known as the Grid Resilience State and Tribal Formula Grant Program.	2023	Preventing Outages and Enhancing the Resilience of the Electric Grid Grants | Department of Energy
DOE Selects 14 Communities to Leverage Energy Storage to Increase Resiliency and Long-term Affordability			Department of Energy	Selected participants: Native Renewable, Flagstaff, AZ; Cher-Ae Heights Indian Community and Western Energy Development, Trinidad, CA; Ayika Solutions Incorporated, Atlanta, GA; Hoʻāhu Energy Cooperative Molokai, Kaunakakai, HI; Together New Orleans, New Orleans, LA; Honor the Earth, Callaway, MN; Coast Electric Power Association, Kiln, MS; Joule Community Power and Open Door Mission, Rochester, NY; Warm Springs Community Action Team, Warm Springs, OR; Rogue Climate, Coos Bay, OR; Coyote Steals Fire Energy Group, Pendleton, OR; Makah Tribe, Neah Bay, WA; Klickitat Valley Health, Goldendale, WA; Oneida Nation, Oneida, WI	Communities selected in March 2022	DOE Selects 14 Communities to Leverage Energy Storage to Increase Resiliency and Long-term Affordability | Department of Energy
Tribal Nations to Modernize America's Electrical Grid			Department of Energy	Selected States/tribal nations: CA, KS, KY, ME, MI, Native Vilage of Eagle, OR, RI, Standing Rock Sioux Tribe of ND & SD, TX	Funded provided in June 2023	Biden-Harris Administration Invests Over $200 Million in States and Tribal Nations to Modernize America's Electrical Grid | Department of Energy