Recommended Climate Adaptations for Columbus

**Extreme Heat**
- **N1**: Establish a larger, better coordinated, more responsive network of cooling centers and draft clear guidelines for network members.
- **N2**: Implement educational campaign, health advisories, and best practices for time spent outdoors in extreme heat.
- **A1**: Internalize climate resilience practices in city planning to reduce the urban heat island.
- **A2**: Provide programs to distribute fans, air conditioners, and water to vulnerable populations.
- **N3**: Modernize electric grid for greater resilience and more efficient energy distribution.
- **A3**: Implement educational campaign on idling reduction.
- **A4**: Implement educational campaign on energy audits and renewable energy to reduce emissions for residential and business users.
- **A5**: Increase number of air quality monitoring stations to provide baseline data and public educational opportunities.
- **A6**: Use data and best practices to adapt transportation modes and inform economics of transportation.

**Air Quality & Energy**
- **N5**: Design and implement an educational campaign that leads to reduced impacts of stormwater and basement sewage backups, promotes use of green infrastructure, and accurately conveys risks to and responsibilities of property owners.
- **N6**: Review city regulations, technical documents, departmental processes and plans, property owner programs, enforcement mechanisms, and monitoring efforts to ensure that current practices reduce localized flooding and basement/sewage backups.
- **N7**: Develop an emergency plan that can be implemented during a flood to ensure adequate transportation and logistics for critical resources.
- **A7**: Identify and assess risk associated with older flood control and stormwater infrastructure, and use data gathered to reduce risk by developing property owner education, informing the city’s capital projects, and establishing property owner requirements.
- **A8**: Advocate for state and federal government to implement policies that reduce erosion and runoff and promote infiltration.
- **A9**: Implement the City of Columbus Watershed Management Plan and work with regional partners to implement the Sustaining Scioto Adaptive Management Plan.
- **A10**: Understand the types, likelihood, and severity of events that could adversely impact the quality of drinking water sources.
- **N11**: Continue upgrades to sewer system and sewage treatment infrastructure to reduce sewage contamination of waterways.
- **N12**: Design an educational campaign for individuals and businesses on proper use of tap water during an emergency.
- **A11**: Improve data collection to anticipate and respond to harmful algal blooms (HABs).
- **A12**: Continue upgrades to water and sewage treatment infrastructure to reduce harmful algal bloom (HAB) toxins in drinking water.
Implement educational campaign on reducing water use.

Develop event-based water use criteria.

Update building code to require more efficient water use.

Improve irrigation through changes in infrastructure and practices that more efficiently use water.

Improve efficiency of water use in city fountains, pools, splash pads, and ponds.

Promote sustainable landscaping practices for residential, commercial, and industrial properties.

Develop guidelines for city property on application of fertilizers, herbicides, pesticides, and animal waste.

Collaborate with landscaping and fertilizer companies to improve services and use of products.

Implement educational campaign for landowners to promote responsible use of fertilizers, herbicides, and pesticides.

Collaborate with organizations, agencies, and private landowners to identify and create additional green space, urban tree canopy, and urban farms.

Use geographic information systems (GIS) to map fixed critical assets and vulnerable populations susceptible to environmental hazards.

Evaluate city preparedness and response during and after environmental hazard emergencies.

Track and communicate costs associated with preparing for and responding to environmental hazards.

Establish contingency contracts so that sufficient resources are available in case of environmental hazard emergencies.

Develop new app or integrate with existing app for environmental hazard alerts.

Implement educational campaign to inform the public about insurance and other shared risk programs available for environmental hazards.

Identify representative advocacy organizations for diverse and vulnerable populations.

Facilitate cross-cultural dialogue, offer training for service providers, and share best practices.

Ensure diverse modes of communication during environmental hazard emergencies to reach diverse and vulnerable populations.

Implement educational campaign on environmental hazard preparedness to reach diverse and vulnerable populations.

Coordinate closely with the Ohio public-private partnership to manage food and water access for vulnerable populations during environmental hazard emergencies.

Require disclosure of known property problems for sale or rental of property.

Require or incentivize that monthly utility costs for rental properties be reported to potential tenants.