

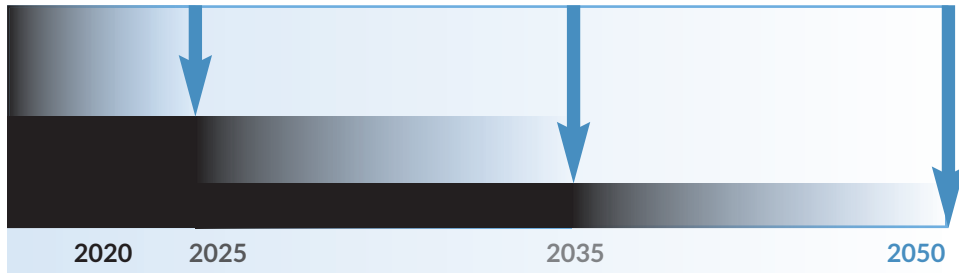
CLIMATE ACTION AND RESILIENCE PLAN "CARP"

CITIZENS' GREENER EVANSTON SUMMARY

CARP Vision:

Community carbon neutrality by 2050

50% reduction by 2025 and 80% by 2035



MITIGATION:

Reduce Climate Change

EXAMPLE ACTIONS

Building Efficiency Goal

Reduce net energy use by 35% by 2035 (from 2005 levels)



- Buildings "high performing" in energy and water efficiency, use of renewables.
- Property Assessed Clean Energy loans: clean energy project loans repaid on property tax bills.
- Water conservation; energy use disclosures to homebuyers; education program.

Renewable Energy Goal

Use 100% renewable energy at all properties by 2030



- City-wide purchase of renewable energy credits, move toward direct investment in renewables.
- Incentives for community solar and other renewables.

Zero Waste Goal

Divert waste from landfills: 50% by 2025, 75% by 2035 (from 2017 levels)



- Restaurants donate, reduce, reuse or compost unsold food; ban single use plastics, such as straws.
- Recycle and compost at all properties; recycle and reuse building demolition waste.
- Education on reducing waste, purchasing Illinois compost, repair clinics, tool swaps, etc.

Transportation and Mobility Goals

Reduce emissions and vehicle miles traveled



Example strategies:

- Incentives for zero and low emission vehicles.
- Implement existing plans, e.g., Complete Streets Policy, Health Dept EPLAN, 2014 Bike Plan.
- Building Code changes: reduce parking, more mixed use zoning, prioritize pedestrians and bicycles.
- Bus fleets, including school buses, 100% electric by 2035: pursue grants for new vehicles.

Urban Canopy and Green Space Goal

Enhance stormwater management and land habitat, air quality, protect and reduce adverse human impacts on key species, e.g., birds and pollinators.



- Protect natural areas. Tree preservation. Prioritize native species (public and private land).
- Reduce or eliminate pesticides and chemical fertilizers through education and advocacy.
- Revise city health procedures to align messaging on gardening, composting, chemical use.

Outreach and Behavior Change Goal

Educate and empower community members on strategies



- School districts implement environmental curricula.
- Carbon footprint data collection, individual carbon action plans for residents to reduce carbon.
- Expand community gardens for local food production.
- Publicity campaign to build awareness and sustainable business recognition program.

Guiding Principles:

- Equity-centered
- Outcome-focused
- Cost-effective and affordable

City of Evanston Government:

Commitments on purchases, energy, waste, green infrastructure, investments and advocacy.

Goal: Government services carbon neutrality by 2035.

RESILIENCE:

ADAPT TO CLIMATE CHANGE

EXAMPLE ACTIONS

Green Infrastructure

Reduce local flooding and discharges of untreated wastewater to Lake Michigan; increase habitat, air quality and property values, create jobs.



- Reduce runoff through infiltration, detention and storage: bioswales, rain gardens, trees, porous pavement, green roofs, cisterns and rain barrels.
- For major rain events: alerts to delay wastewater discharges (e.g., laundry, washing)
- Reuse stormwater to reduce water consumption, treatment costs and use of chemicals.
- Incentives to reduce runoff, e.g., credit against stormwater fee for green infrastructure.

Health Impacts of Extreme Heat

- Cooling centers: guidance for social service providers; reduced fees for beach and pools access during extreme heat events; community alerts regarding available services.
- Educational materials on reducing exposure to ground level ozone, improving indoor air quality.
- More shade trees to reduce urban heat island effect and limit need for indoor cooling.



Resilience Regulations

- Locate critical utilities above flood elevation; encourage renewable energy generation, storage.
- Revise building codes to reduce threats to vulnerable wildlife, e.g. birds.
- All non-potable (graywater) water reused for irrigation and other domestic use.



Community Networks and Education

- Awareness education on climate change impacts, emergency preparation, waste management, disposal of toxins, tree management, available insurance coverage; flood cleanup financial aid.
- Enhance communication network for vulnerable residents, such as the elderly, homebound, or disabled, and awareness of North Shore Village, a nonprofit providing support to the elderly.



Emergency Preparedness

- Update or create community resilience plan identifying critical facilities (hospitals, shelters), alternate transportation routes, locations where hazardous chemicals are used or stored.
- Update climate emergency plan; include debris management; alerts for extreme events.
- Ensure services for vulnerable populations are resilient; procedures for flooding, power outages, extreme heat.



Vulnerable Populations

- Identify vulnerable populations, outreach to understand their needs, assess infrastructure, establish protocols to provide aid (including financial assistance).
- Investigate residential efficiency programs (e.g., air sealing, passive energy, efficient appliances).
- Protect low-income residents from fuel price spikes: increase transit, biking options, renewables.
- Adopt environmental justice ordinance.

