



# Kane County

## KC Energy and Environmental Committee

Government Center  
719 S. Batavia Ave., Bldg. A  
Geneva, IL 60134

### Agenda

BATES, Tarver, Allan, Kious, Roth, Strathmann, Young, ex-officios Pierog (County Chair),  
and Tepe (County Vice Chair)

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<b>Friday, October 11, 2024</b>	<b>9:00 AM</b>	<b>County Board Room</b>
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1. **Call To Order**
2. **Roll Call**
3. **Remote Attendance Requests**
4. **Approval of Minutes: September 13, 2024**
5. **Public Comment (Agenda Items)**
6. **Environmental (J.Wollnik)**
7. **Recycling/Solid Waste (C. Ryan)**
  - A. Recycle Coach Web & Mobile Tools: Coming Soon to Kane County
  - B. Timing of Next County Solid Waste Plan Update
8. **Sustainability (S.Hinshaw)**
  - A. Climate Action Implementation Plan: Aligning Strategic Goals
  - B. Climate Action Implementation Plan Progress Update
9. **New Business**
10. **Chairs Comments**
11. **Reports Placed On File**
12. **Executive Session (if needed)**
13. **Adjournment**

STATE OF ILLINOIS )  
COUNTY OF KANE ) SS.

**PRESENTATION/DISCUSSION NO. TMP-24-3004**

**RECYCLE COACH WEB & MOBILE TOOLS: COMING SOON TO KANE  
COUNTY**

STATE OF ILLINOIS )

SS.

COUNTY OF KANE )

**PRESENTATION/DISCUSSION NO. TMP-24-3005**

## TIMING OF NEXT COUNTY SOLID WASTE PLAN UPDATE

STATE OF ILLINOIS )

SS.

COUNTY OF KANE )

**PRESENTATION/DISCUSSION NO. TMP-24-3015**

## CLIMATE ACTION IMPLEMENTATION PLAN: ALIGNING STRATEGIC GOALS

# Climate Action Implementation Plan: Aligning Strategic Goals




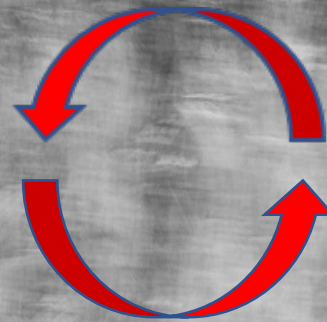




# TRANSIT IS THE ANSWER



**rtat** Regional  
Transportation  
Authority



 **KANE COUNTY, ILLINOIS**  
ESTABLISHED JANUARY 16, 1836

## CLIMATE ACTION IMPLEMENTATION PLAN

June 2024



**Transit is the Answer - Advocacy Agenda:** Long-term, substantive changes to the regional transit system.

1. Secure increased funding for transit operations.
2. Develop a funding structure that is less reliant on rider fares, but instead on expanding access to opportunity.
3. Build a Coalition around the value transit brings to the Chicago region.
4. Support communities' efforts to improve the area around their transit stations and stops and pursue equitable transit-oriented development.
5. Engage with communities in an inclusive and transparent way about how transit dollars are spent in the Chicago region.
6. Secure increased funding for transit infrastructure.
7. Partner with roadway agencies to build more transit-friendly streets and advance bus rapid transit.

### **CAIP Related Strategies & Actions:**

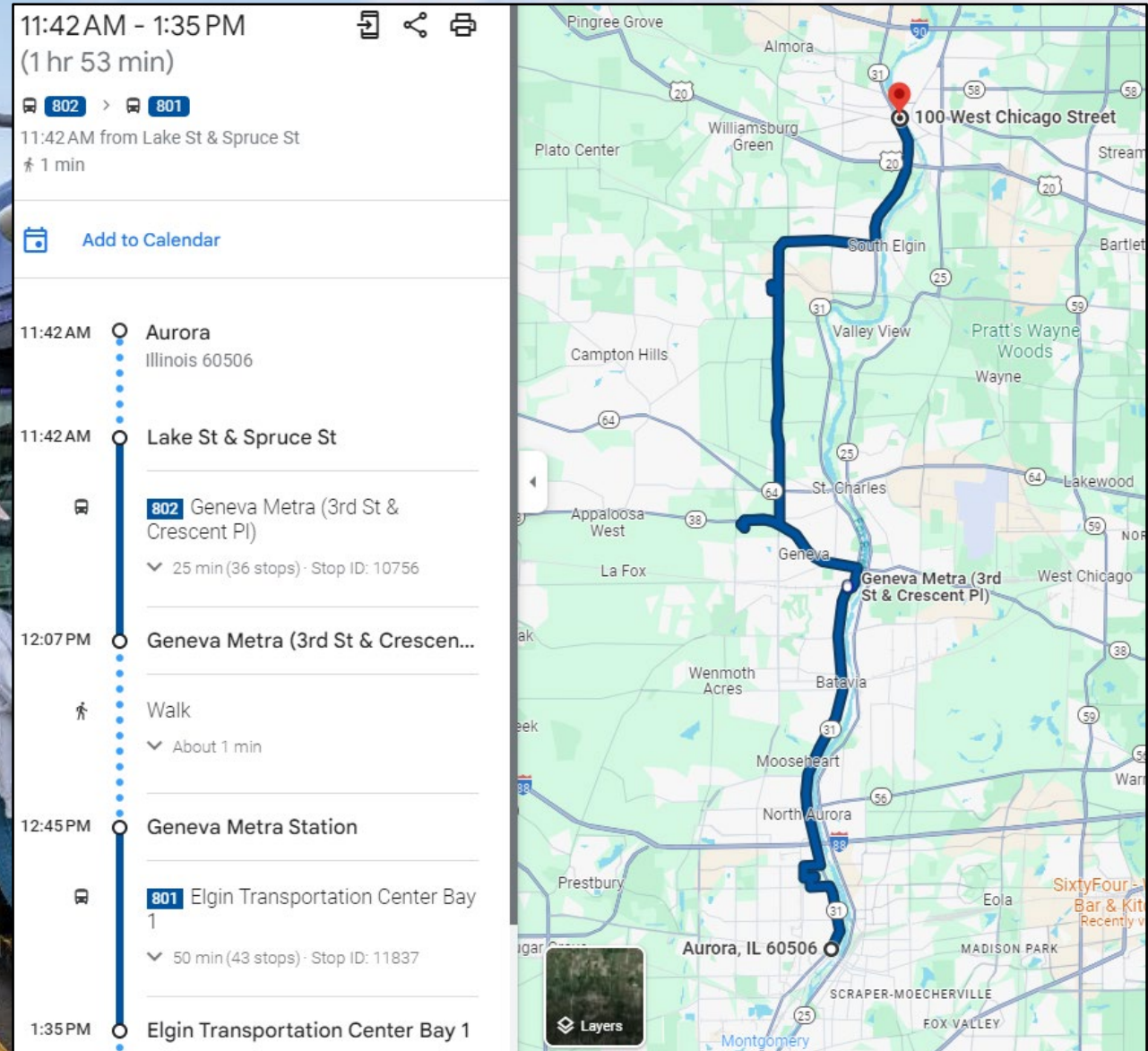
TL2: Increase public transit commuter ridership from 2.24% to 6.5% by 2030.

- TL2-2: Consider linking parking requirements to mode share targets.
- TL2-3: Collaborate to rapidly deploy public transit solutions such as bus rapid transit (BRT) or light rail to community hot spots, which could be areas with high congestion, populous areas with currently limited access to public transit, or areas with issues that increase single-occupancy vehicle (SOV) use within the community.
- TL2-5: Invest in infrastructure that supports bus operations and more comfortable and welcoming bus stop environments.
- TL2-7: Collaborate with partners including IDOT, PACE, Metra, public entities, and local governments to implement and expand Intelligent Transportation Systems strategies to improve multi-modal travel times and user experience.



# Bus-Rapid Transit (BRT)

- A dedicated bus-transit system that provides a fast and efficient service from one location to another.
- BRT may include:
  - Dedicated Lanes
  - Traffic Signal Priority
  - Elevated platforms and enhanced stations
- **Potential Idea:** Partner with Pace to implement a Pulse route along Randall Rd. This would connect Aurora to Elgin with one route.





# Next Steps

1. Set-up meetings to discuss the feasibility of BRT with:
  - KDOT staff
  - Mayor Schielke (Batavia)
    - Serves on the Pace Board of Directors
  - Pace Staff
    - Pace ReVision?
2. Review existing planning grants to fund an updated BRT feasibility study.
  - Ex: RTA's Community Planning Program
3. Continue research on:
  - Existing BRT case studies
  - Intelligent Transportation System (ITS) improvements such as transit signal priority
  - The cost of a covered bus stop and a Pulse bus stop

STATE OF ILLINOIS )

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COUNTY OF KANE )

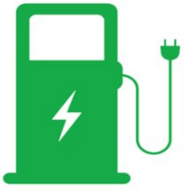
**PRESENTATION/DISCUSSION NO. TMP-24-2948**

## CLIMATE ACTION IMPLEMENTATION PLAN PROGRESS UPDATE



# Climate Action Implementation Plan Progress Report





## Transportation and Land Use

TL 1: Decrease community-wide Vehicle Miles Traveled (VMT) by 5% by 2030.

Continue sidewalk and bikeway construction and education projects that promote active transportation in alignment with the 2023 Kane County Bike and Pedestrian Plan.

TL 4: Increase battery electric vehicle (BEV) use to 15% of vehicles on the road by 2030 (from approximately 2,550 vehicles to 99,000 vehicles community-wide).

Collaborate with partners such as businesses, school districts, fleet operators and transit providers including taxi fleets within community to work towards a goal that buses and fleets based and operating in the community be 50% electric by 2030 and 100% by 2035.



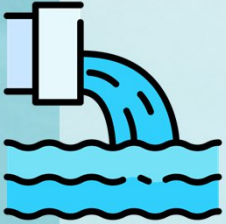
# Buildings and Energy

BE 1: Improve total Community wide residential, commercial, institutional, and industrial building energy efficiency by 12% for electricity and natural gas by 2030

Promote existing incentives for improving energy efficiency and renewable energy (e.g., insulation, energy-efficient windows, electric heat pumps, solar panels) in new construction and retrofit residential and commercial properties. Establish an Energy Efficiency (and Fuel Switching) Concierge service to assist building owners in identifying energy efficiency resources, rebates, tax credits, and programs appropriate for their home or business. Coordinate with Inflation Reduction Act, State programs (CEJA), Utility incentives and PACE financing information.

BE3: Achieve 10% residential and commercial and industrial building "fuel switching" from on-site fossil fuel combustion to electrification by 2030.

Collaborate with partners to educate contractors, installers, and homeowners about benefits of electrification and other on-site fossil fuel combustion reduction strategies, currently available technology such as heat pumps, and manufacturer resources for installation training and support.



# Water and Wastewater

W 1: Promote increased water conservation and wastewater generation community-wide with a targeted reduction of 5% by 2030.

Establish and promote a program supporting the installation of low-flow water fixtures in residential homes and commercial businesses as well as opportunities for real-time water and energy metering that may help customers better understand and reduce their water and energy consumption. Program may be integrated or coordinated with Energy Audit/Energy Efficiency Program(s) in the Buildings and Energy section of this plan.

W4: Educate, engage, and empower the public on water quality and conservation.

Develop educational materials to support the goals of the Water and Wastewater section. Materials should create greater awareness and adoption of water conservation; expand public awareness of the value of watersheds, rain gardens and low-impact development to address stormwater run-off; and covering the link between water resources and climate change and the risks to community residents and businesses.





# Waste Management

WM 1: Decrease total municipal solid waste handled 2.5% by 2030 (-17.5% estimated per household decrease).

WM 4: Decrease municipal solid waste from government operations 15% by 2030.

Create a comprehensive community-wide communication campaign to provide standardized information and communication on waste reduction, reuse, recycling and organics collection option and promote existing resources, services, incentives, and programs.

Include identification of regional and local resources, as well as proper recycling, composting and source reduction methods.

Partner with local government and public entity departments and other regional recycling and re-use organizations for promotional content sharing. Explore establishing a vintage or re-use festival.

Collaborate with partners to explore options for expanding or establishing local facilities capable of accepting and processing organics composting/recycling to meet goals of this plan.

Ensure recycling is provided and utilized at all local government or public facilities. Coordinate with public partners to ensure recycling is provided and promoted in all schools, municipal buildings, public housing, and public spaces. Include coordination on recycling education and communications to improve reduction of contamination.



# Local Food and Agriculture

FA 1: Increase share of farms using low emission or regenerative agriculture practices. Achieve 50% carbon positive soil adoption rate by 2030.

Collaborate with partners to work with local farmers to promote the use of regenerative agriculture systems (e.g., no-till practices, perennial groundcover, alley cropping, silvopasture, succession planting, rotational grazing practices, etc) through incentives, workshops, and demonstration projects in order to increase carbon sequestration on farmland while also improving soil health and increasing resilience to climate impacts such as drought and flooding.

FA 3: Increase production of and access to local food, particularly serving low income and food insecure individuals.

Increase education around and access to local healthy food in Public Schools. Partner with schools and other organizations to create “edible school yards” and sustainable gardening programs at public and private schools. Include summer programming.



## Greenspace and Ecosystems

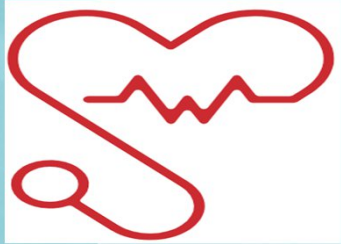
GE 1: Increase tree cover and diversity, particularly in the priority neighborhoods, 6.5% by 2030 and 15% by 2040 (an increase of 3,660 acres and 7,000 acres respectively with growth coming from species that are native and climate adaptive).

Establish incentives and other promotional programs to support increased tree canopy on private property, with a focus on priority neighborhoods as identified in the Kane County Ground Cover Study. Include a focus on species of trees that are native to the Kane County area.

GE 3: Reduce heat island effect through Community-wide “dark” impervious surface coverage particularly in neighborhoods identified with higher heat island impacts 10% by 2030 and 23% by 2040. (a decrease of 3,260 acres by 2030 and 7,500 acres by 2040).

Put in place an effective campaign to discourage and minimize use of toxic pesticides and herbicides, with a particular focus on those which are most toxic to Kane County ecosystems. Such a campaign might have several aspects, including a long-term communications focus, direct education work with landscapers and businesses that sell and use such products, direct education with homeowners and businesses, direct work with community organizations that promote gardening, etc.





# Health and Safety

HS 1 : Assist climate vulnerable populations throughout the community in preparing for and mitigating climate change impacts.

Develop a toolkit for Emergency Response using the EOM resources available on the Kane County Emergency Management website and state and federal training to publicize the tool kit to ensure residents are aware and have access to the resources.

HS 2: Educate, engage, and empower the public on health and safety risks of climate change impacts.

Conduct targeted outreach to ensure that vulnerable populations are signed up for alert systems that notify them of dangerous conditions and where/how to seek shelter or other resources.



# Climate Economy

CE 1: Capture economic value of each climate action goal in the Kane County CAIP.

Collaborate with partners to create a market for Certified Compost. Work with organics collection sites to expand infrastructure to accept more food residuals and working with municipalities to expand residual food scrap collection.

CE 2: Support equitable workforce development and entrepreneur opportunities of climate action in the local economy.

Promote workforce development in partnership with local schools, colleges, and universities create and implement a curriculum for green skills—the knowledge, abilities, values, and attitudes needed to live in, develop, and support a sustainable and resource-efficient society.

CE 5: Communicate climate action economic and development opportunities to stakeholder groups.

Strengthen communications in support of business and economic climate resilience, the economic opportunities associated with climate action, and the goals of this plan. Effort should focus particularly on communications with disadvantaged group businesses (minority-owned, veteran-owned, economically-disadvantaged, etc.) and small businesses.