



# Kane County

## KC Energy and Environmental Committee

### Agenda

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

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

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**Friday, January 17, 2025**

**9:00 AM**

**County Board Room**

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#### **2025 Committee Goals**

- Pursue funding to improve energy efficiency in Kane County Government-owned buildings
  - Upon passage of the Tree Protection Ordinance, develop budget and implementation strategy for the Ordinance and an educational program to promote Tree Protection
  - Develop Client Action Implementation teams and assist team in prioritizing action items and development strategies
  - Increase education and improve overall recycling in Kane County buildings
  - Community outreach to education about the CAIP
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- 1. Call To Order**
  - 2. Roll Call**
  - 3. Remote Attendance Requests**
  - 4. Approval of Minute: November 15, 2024**
  - 5. Public Comment (Agenda Items)**
  - 6. Environmental (J.Wollnik)**
    - A. Presentation from Marina Minic from the Citizens Utility Board on the progress of SolarSwitch Chicagoland**
  - 7. Recycling/Solid Waste (C. Ryan)**
    - A. Recycling Program Updates**
  - 8. Sustainability (S.Hinshaw)**
    - A. Climate Action Implementation Plan Updates on Transportation and Land Use**
  - 9. New Business**
  - 10. Chairs Comments: Our Future Home: Clean and Healthy Buildings**
  - 11. Reports Placed On File**
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- 12. Executive Session (if needed)**
- 13. Adjournment**

STATE OF ILLINOIS )

SS.

COUNTY OF KANE )

**PRESENTATION/DISCUSSION NO. TMP-25-001**

**PRESENTATION FROM MARINA MINIC FROM THE CITIZENS UTILITY BOARD ON THE PROGRESS OF SOLARSWITCH CHICAGOLAND**

STATE OF ILLINOIS )  
                          )            SS.  
COUNTY OF KANE )

**PRESENTATION/DISCUSSION NO. TMP-25-035**

**RECYCLING PROGRAM UPDATES**



# Recycling Program Update

January 17, 2025



Clair Ryan

Kane County Recycling Coordinator  
[recycle@kanecountyil.gov](mailto:recycle@kanecountyil.gov)



# USDA Composting & Food Waste Reduction Grant Update



Application for \$396,109 federal funds submitted Sept. 3, 2024



Project concept presented to E&E Committee Sept. 13, 2024



Notification of funding decision received Dec. 16, 2024 (we got the grant!!!)

Jan. 17, 2025 deadline to complete award process



Resolution to modify FY25 budget and authorize EWR Director and Board Chairwoman to sign grant documents sent straight to Exec. Committee (Jan 8.) and County Board (Jan. 14)



Grant start date: March 1, 2025

# Our Two-Year Project

- ① Goal 1: Pilot food waste separation & collection at multiple large institutions
  - Kane County Adult Justice Center
  - Northern Illinois Food Bank
  - Kane County Cougars (NW Medicine Field)
  - Sherman Hospital (Advocate Health)
- ① Goal 2: Pilot a public food scrap drop-off at Fabyan in the “off-season”
- ① Goal 3: Grow a culture of composting in Kane County through outreach and education
- ① Goal 4: Improve small grower & community garden access to finished compost



# Budget Overview

## In-kind match via staff time:

- Kane County EWR
- Aramark AJC kitchen staff
- Cougars concession and catering staff
- Advocate kitchen and sustainability staff

## Cash-match toward direct expense:

- Northern Illinois Food Bank

	All Goals Total		GRAND
	Federal	Match	TOTAL
<b>Personnel</b>	\$ 29,549	\$ 13,623	\$ 43,172
<b>Fringe (23.7%)</b>	\$ 7,009	\$ 3,229	\$ 10,238
<b>Travel</b>	\$ -	\$ -	\$ -
<b>Equipment</b>	\$ -	\$ -	\$ -
<b>Supplies</b>			
Finished Compost	\$ 8,070	\$ -	\$ 8,070
Pails	\$ 7,000	\$ -	\$ 7,000
AJC bins and liners	\$ 14,000	\$ -	\$ 14,000
<b>Contractual</b>			
County Hauler Contract - AJC	\$ 31,850		\$ 31,850
County Hauler Contract - Public Drop-off	\$ 6,200		\$ 6,200
Aramark AJC Implementation		\$ 11,502	\$ 11,502
Northern IL Food Bank	\$ 211,200	\$ 52,800	\$ 264,000
Kane County Cougars	\$ 18,325	\$ 4,833	\$ 23,158
Sherman Advocate	\$ 53,156	\$ 13,040	\$ 66,196
<b>Other</b>			\$ -
Professional Services - Translation	\$ 2,500		\$ 2,500
Professional Services - Interpretive Panel Production	\$ 1,000		\$ 1,000
Professional Services - Sign Production	\$ 2,000		\$ 2,000
Professional Services - Printing Stickers	\$ 750		\$ 750
Professional Services - Ad Buys	\$ 1,500		\$ 1,500
Shipping of Supplies	\$ 1,000		\$ 1,000
Professional Services - Compost Delivery	\$ 1,000		\$ 1,000
	<b>\$ 396,109</b>	<b>\$ 99,027</b>	<b>\$ 495,136</b>



# Projected Outcomes:



Compost 2,120,000 lbs (1,060 tons) of food that would otherwise be landfilled



Prevent 1,010 MTCO<sub>2e</sub> of GHG emissions

## 1,010 MTCO<sub>2e</sub> is comparable to GHG emissions from:

240 gas-powered passenger vehicles driven for a year

2.6 million gas-powered vehicle miles

113,649 gallons of gasoline consumed

1.1 million pounds of coal burned

132 homes' total energy usage for a year

199 homes' electricity usage for a year

66.7 million smartphone charges



## Preventing 1,010 MTCO<sub>2e</sub> is comparable to GHG offset by:

351 tons of waste recycled instead of landfilled

16,700 tree seedlings grown for 10 years

1,179 acres of U.S. forest in place for one year



# Recycle Coach is here!



**Kane County Recycles**

Phone: 630.208.3841  
Fax: 630.208.3837  
Email: [recycle@countyofkane.org](mailto:recycle@countyofkane.org)

## A to Z List of Hard to Recycle Material

### Introducing Recycle Coach

In partnership with the Illinois EPA, Kane County Recycling Program is excited to introduce the Recycle Coach "What Goes Where" tool. The tool (box below) is an interactive database showing residents all local reuse, recycling and disposal options for the materials listed in our traditional A-Z list and more! Want recycling info in your pocket? Download the smartphone app for iPhone or Android using the links below.

The old A-Z list of hard to recycle items is still available below the search tool for the time being. However, beginning in 2025, staff time will be focused on keeping Recycle Coach up-to-date.

A screenshot of the Recycle Coach web application. The header is dark blue with the text "Find Out What Goes Where!" on the left, a bell icon, and "English" with a dropdown arrow on the right. The main content area is light gray and contains the text "To get waste and recycling information for where you live, select your municipality" above a white input field with the placeholder text "Choose your area". At the bottom right of the content area, there are two links: "User Agreement" and "Privacy Policy".

# Pop-Up & Shred Event @ Geneva Commons

Tomorrow! January 18, 2025, 10:00am - 1:30pm

## Kane Co. and E-Works

- Collecting electronics, clothing & textile, books and paper
- Answering resident questions, handing out Recycle Coach flier

## Geneva Commons

- Site set-up
- Bringing in a shredding truck
- Handing out coupon packs to first comers



## Map Legend

- = traffic flow to recycle
- = to shops/exit
- = no entry

## Recycling Stations

- #1 = electronics, clothing & textiles, books
- #2 = shredding truck



# Questions & Contact

Clair Ryan  
Recycling Program Coordinator  
Kane Co. Environmental & Water Resources  
719 S. Batavia Ave, Bldg. A, Geneva 60134

(630) 208-3841  
[recycle@kanecountyil.gov](mailto:recycle@kanecountyil.gov)  
[www.kanecountyil.gov/recycling/](http://www.kanecountyil.gov/recycling/)



STATE OF ILLINOIS )  
 )  
COUNTY OF KANE )      SS.

**PRESENTATION/DISCUSSION NO. TMP-24-3268**

**CLIMATE ACTION IMPLEMENTATION PLAN UPDATES ON  
TRANSPORTATION AND LAND USE**

# Climate Action Implementation Plan Updates



# Climate Action Implementation Plan Worksheet-Transportation and Land Use

## Strategy:

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).

## Action:

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.

Goals should include fuel economy target exceeding US Energy Information Agency projections for remaining internal combustion engine (ICE) portion of fleets. Work with transit agencies and bus companies to take advantage of federal transit grant opportunities to purchase new electric vehicles.

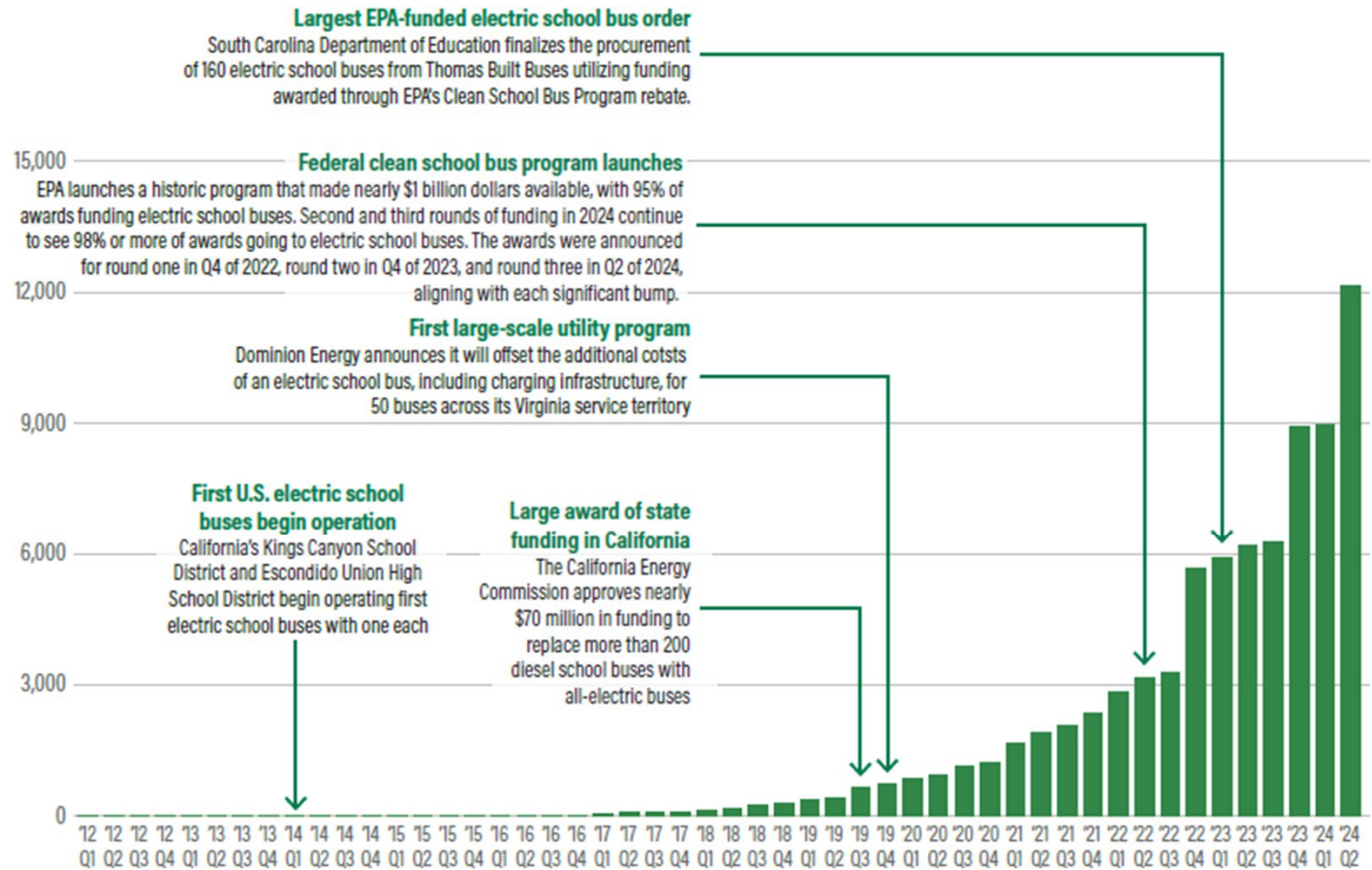
Goal: 30 New organization commitments annually.

480,000–  
493,000 school  
buses in the  
United States

The first electric  
school bus was  
in 2014

Roughly 2% are  
electric

Figure 1. Cumulative number of electric school buses committed to by quarter in the United States (2014-2024)





# Benefits

Average GHG emissions from school bus = 363 tons CO<sub>2</sub>e

Electric bus = 116 tons over lifetime



## Why Clean School Buses?

### Reduced Greenhouse Gas Emissions

CSBs emit zero or low tailpipe emissions.

### Cleaner Air

CSBs result in cleaner air on the bus, in bus loading areas, and in the communities in which they operate.

### Cost Savings

Replacing older diesel school buses with CSBs often reduces maintenance and fuel costs.

### Resiliency

Vehicle-to-Grid (V2G) capable CSBs can provide power to the grid or buildings during power shutdowns.

### Improved Student Attendance & Achievement

The transport of students with CSBs has been linked to student attendance and academic achievement improvements.

# Success and Considering More!

- A federal grant from the Environmental Protection Agency's Clean School Program is being awarded to the Aurora West School District 129
- 5 million dollars and will be used to purchase 25 new electric powered buses for the district.

## WEST AURORA SCHOOLS

# District eyes adding electric buses

By Linda Girardi  
Beacon-News

West Aurora School District 129 is looking at adding some electric school buses to its fleet.

The proposal to bring in 27 electric buses to replace some older diesel models could be part of an ongoing effort in the district, officials said.

"We have done geothermal and solar — the next step is school bus electrification," West Aurora School District Assistant Superintendent Angie Smith said in a recent report to the school board.

"We have identified routes that

are all 60 miles a day or less in total mileage, well within the 100 miles a battery gets on a full charge, even if there is some degradation in the winter," she said.

The board has made no decision yet on electric buses.

The district has a fleet of 73 buses powered by diesel engines, half of which are under two-year leases due to expire at the end of the school year.

Until recent changes, electric buses have been cost prohibitive, Smith said.

Electric bus prices are almost three times the cost of a regular bus, and even with potential

rebates and incentives, they would have likely been twice the cost of a diesel-fueled bus, she said.

Some changes have made the school district's administration look closer at a proposal to make a switch to add some electric buses, including competitive pricing, federal funding and rebates, officials said.

For instance, Smith noted the district applied for and was awarded a \$5.5 million grant through the U.S. Environmental Protection Agency's Clean School Bus Program.

*Turn to Buses, Page 2*



An electric school bus stands on display at the Lion Electric facility in Channahon in 2021. ERIN HOOLEY/CHICAGO TRIBUNE

# Clean School Bus (CSB) Rebates

- The EPA's 2024 CSB Rebates provide funding to subsidize the purchase of a zero-emission school bus, eligible infrastructure and other associated costs.
- The EPA plans to award up to \$965 million through this rebate round and applications are due before 4pm ET on January 9, 2025.



**EPA CLEAN  
SCHOOL BUS**

## High-need school districts and low-income areas, limited to:

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- School districts in small area income and poverty estimates (SAIPE) - listed having 20% or more students living in poverty
- Title I-funded public-school with more than 35,000 students and/or more than 45 public schools, that are in SAIPE but do not meet threshold may be eligible to self-certify
- Title I-funded school districts and charter school districts not listed in the SAIPE data. – Can self certify
- Rural area schools limited to 25 miles from urban area

# SAIPE:

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**EAST AURORA**  
**HIGH SCHOOL**

- Does not need to self certify

# List of Districts Eligible for Prioritization Self-Certification

- Mid-Valley Special Ed Coop-St Charles
- II Mathematics & Science Academy Aurora
- STEM Partnership School Aurora
- Kane ROE Geneva
- Valley Educ for Employ System Sugar Grove
- Elgin Math and Science Acad Chtr Elgin
- SD U-46 Elgin

Reminder – You can still apply even if you are not on the priority list

School District Prioritization Status	Replacement Bus Fuel Type and Size					
	ZE - Class 7+	ZE - Class 3-6	CNG - Class 7+	CNG - Class 3- 6	Propane - Class 7+	Propane - Class 3-6
<b>Buses serving school districts that meet one or more prioritization criteria</b>	Up to \$325,000 (Bus+ Charging Infrastructure)	Up to \$245,000 (Bus+ Charging Infrastructure)	Up to \$45,000	Up to \$30,000	Up to \$35,000	Up to \$30,000
<b>Buses serving other eligible school districts that are not prioritized</b>	Up to \$170,000 (Bus+ Charging Infrastructure)	Up to \$115,000 (Bus+ Charging Infrastructure)	Up to \$30,000	Up to \$20,000	Up to \$25,000	Up to \$20,000

# Other rebates discussed

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- ComEd Rebates
- Alternative Fuel Vehicle Refueling Property Credit 30C
- Commercial Clean Vehicle Credit (45W)
- Stacking all of these with the highest rebates could lead to nearly 100% of cost covered



# Next steps

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- Follow up with West Aurora and U-46 on their initiatives
- Reach out to University and schools to discuss their fleet needs and incentives they can utilize.
- Determine other companies with fleet vehicles such as grocery store delivery and moving companies

# Thank you

Sarra Hinshaw PhD  
(Ph) 630-208-8665  
Environmental and Water Resources  
Department  
[Sustain Kane Facebook Page](#)  
[Sustain Kane Instagram Account](#)



# Climate Action Implementation Plan Worksheet-Transportation and Land Use

**Strategy:**

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).

**Action:**

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. Goals should include fuel economy target exceeding US Energy Information Agency projections for remaining internal combustion engine (ICE) portion of fleets. Work with transit agencies and bus companies to take advantage of federal transit grant opportunities to purchase new electric vehicles. Goal: 30 New organization commitments annually.

Benefits							
<input type="checkbox"/> Public cost savings	<input checked="" type="checkbox"/> Public Health and Safety	<input checked="" type="checkbox"/> Emissions Reduction	<input type="checkbox"/> Regional Benefits	<input type="checkbox"/> Resiliency	<input checked="" type="checkbox"/> Adaptation	<input type="checkbox"/> Resource Conservation	<input type="checkbox"/> Equity

**Latest Research:**

- 1) The Alliance for Electric School Buses has created [Driving Change: A State Playbook for Equitable Electric School Bus Policy](#) in collaboration with WRI's Electric School Bus Initiative.
- 2) The [School Bus Electrification Template Roadmap](#) is meant to accompany [Step-by-Step Guide to School Bus Electrification](#), a resource for school bus electrification that identifies common steps for that process
- 3) Clean School Bus Rebate is open until January with \$965 million that funds most costs including design, installation, battery storage and more.
  - a) There are high priority areas for low-income schools and rural areas that are automatic to receive a higher rebate
  - b) East Aurora High school is on this list. Other schools can apply to be on this list including: U-46 and Kane ROE Geneva

**Background information in Kane County:**

A federal grant from the Environmental Protection Agency's Clean School Program is being awarded to the Aurora West School District 129

5 million dollars and will be used to purchase 25 new electric powered buses for the district

**Current progress:**

A presentation was given to ROE transportation Committee to present this information as well as other rebates from tax credits.

The main concern was some schools were ineligible for ComEd rebates (up to \$120,000) or the higher rebate from the Clean bus program. Additionally, the planning is complex and the lack of staff makes this difficult to plan.

U-46 and West Aurora reached out to obtain copies of the presentation and planned to pursue tax credits that they were unaware about for their electric fleet vehicles

**Next steps and milestones:**

1) Reach out to Universities and high schools to understand their current fleet vehicles and discuss rebates and tax credits with any that are interested in learning more.

**Timeline to complete:**

Ongoing

**Additional Comments:**

School District Prioritization Status	Replacement Bus Fuel Type and Size					
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