



# Kane County

## KC Energy and Environmental Committee

### Agenda

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

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**Friday, December 13, 2024**

**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 Minutes: November 15, 2024**
  - 5. Public Comment (Agenda Items)**
  - 6. Environmental (J.Wollnik)**
  - 7. Recycling/Solid Waste (C. Ryan)**
    - A. Recycling Program Overview**
  - 8. Sustainability (S.Hinshaw)**
    - A. Climate Action Implementation Plan Updates on Transportation and Land Use**
  - 9. New Business**
  - 10. Chairs Comments**
  - 11. Reports Placed On File**
  - 12. Executive Session (if needed)**
  - 13. Adjournment**
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STATE OF ILLINOIS )

SS.

COUNTY OF KANE )

**PRESENTATION/DISCUSSION NO. TMP-24-3252**

**RECYCLING PROGRAM OVERVIEW**



# Kane County Solid Waste & Recycling Program

E&E Committee, December 13, 2024



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

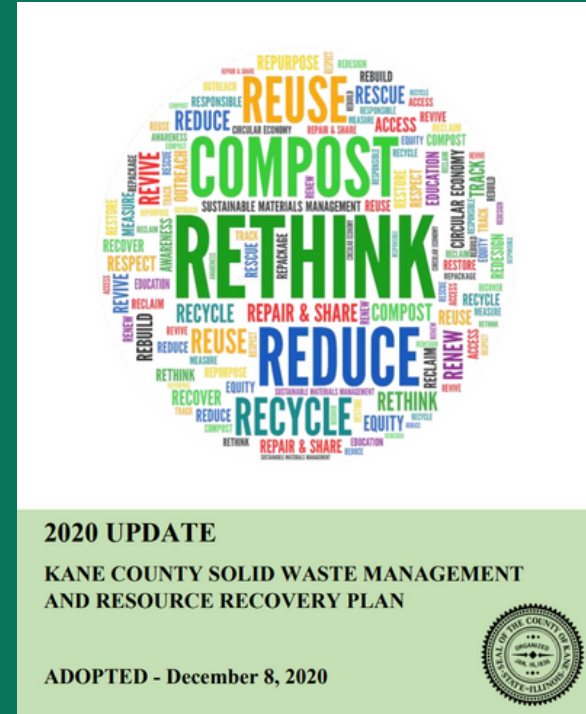


# Solid Waste Planning

- ♻️ Statutory requirement to have a SWMP and update it every five years
- ♻️ Currently working under the 2020 SWMP (will be asking IEPA for an extension on next update)

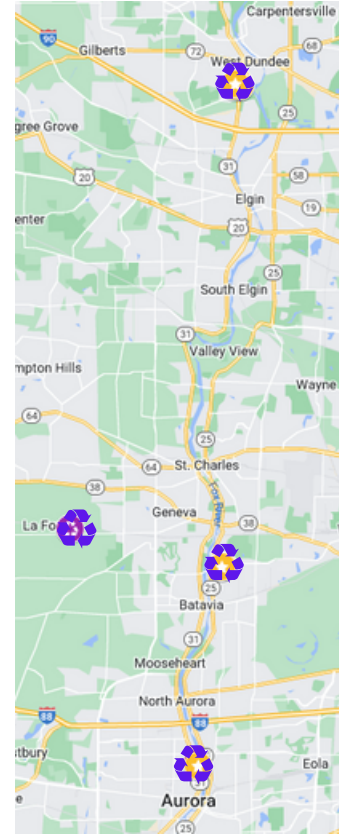
## Deliverables:

1. Start regional dialogue on Circular Economy (waste reduction)
2. Data-driven targeting of outreach and education efforts
3. Improve hauler data on business/institutional waste & recycling
4. Explore feasibility of food scrap drop-off at recycling centers
5. Aim to meet CERA convenience standard through centers vs. events
6. Increase number of textile recycling drop-off locations
7. Seek ways for residents to conveniently recycle a broad range of hard-to-recycle materials
8. Develop short videos on recycling and waste reduction
9. Pursue funding to continue and expand our programs



# Our Program: Recycling Centers

- ♻️ Participation in CERA requires Kane Co. to have four drop-off locations for electronics (or to hold four events per drop-off that is lacking)
- ♻️ In 2025, we anticipate 3 drop-offs and a monthly pop-up
- ♻️ KCR events & all drop-offs accept electronics, books, shredded paper, textiles & shoes



# Our Program: Recycling Centers

	ELECTRONICS	CLOTHING, SHOES & TEXTILES	BOOKS, PAPER, & CARDBOARD	METAL & LARGE APPLIANCES	AEROSOLS	SMOKE & CO DETECTORS	CHILD CAR SEATS	PLASTIC RIDE-IN CARS
<b>BATAVIA</b> 517 E. Fabyan Pkwy. Mon - Fri, 8am - 4pm	✓	✓	✓	✓	✓	✓	✓	✓
<b>WEST DUNDEE</b> Dept. of Public Works 900 Angle Tarn Mon - Fri, 7am - 3pm	✓	✓	✓		~	~	~	
<b>AURORA</b> Ace Hardware 994 N. Lake St. Monthly first Saturdays, 9am - noon	✓	✓	✓					
<b>ELBURN</b> LRS Transfer 1N138 Linlar Dr.. By appointment (M-F, 8:30am - 2:30pm)	✓							

# Our Program: Recycling Events

♻️ Focus on materials & services not provided at the Centers:

- document shredding
- latex paint
- Styrofoam
- batteries & bulbs
- unwanted home goods

♻️ Circuit Clerk's Building @ 540 S. Randall, St. Charles

♻️ 2025 Dates: May 17, July 19, September 27

♻️ \*Board Participation Always Appreciated!!!\*



# Our Program: Household Hazardous Waste

- ♻️ Support of state-local HHW drop off site in Naperville
  - financial
  - outreach/awareness



- ♻️ Contracted home collection for six northern townships & opted in communities
- ♻️ Financial support of additional battery & bulb drop-offs





# Our Program: Outreach and Education



**KANE COUNTY, ILLINOIS**  
ESTABLISHED JANUARY 18, 1838

Government A-Z Services Business Communities Calendar Maps Employment Legislative Committee

**Kane County Recycles**  
Phone: 630.208.3841  
Fax: 630.208.3837  
Email: recycle@countyofkane.org

**What's New?**

**News & Announcements, January 2023 (Happy New Year!):**

**New Year, New Pilot for Obsolete Media:** We are piloting the collection of obsolete media (audio cassette, VHS, Betamax, DVD, CD, CD-ROM, DVD-R, isorecids, etc) at the Batavia/Fabyan Parkway Recycling Center and Aurora pop-up locations. If you plan to bring a large quantity (50 items or more), please bring them in a box you can leave. There is no cost to bring these items.

**Green Christmas Tree Disposal:** Ho, ho, ho! For those who celebrate, it's the season for Christmas trees. If you have a natural tree or other evergreen decor, you might be wondering how to dispose of it in an environmentally friendly way. We have you covered on our revamped [Christmas tree page](#). If you brighten your winter with string lights, we take unwanted light strings and power cords year round at [Kane County Recycling Centers](#).

**Aurora Recycling Pop-Up, January 7:** The e-Works box-truck & staff will be collecting a full complement of recyclables, including electronics (fees for TVs and computer monitors), clothing and textiles, cardboard, books, paper, scrap metal, obsolete/unwanted media, aerosols (fee applies) in the parking lot in front of the Ace Hardware at 994 N. Lake Street from 9am - noon on Saturday, January 7th. See more about item acceptance and fee items on our [closures page](#). The pop-up will continue on a seasonal schedule (first Saturdays) until further notice. Future dates are February 4 and March 4.

**MLK Day Holiday:** Both Kane County offices and the Batavia and West Dundee [recycling centers](#) will be closed in observation of Martin Luther King Day on Monday, January 16, reopening on Tuesday, January 17. See our full list of 2023 holiday closures [here](#).

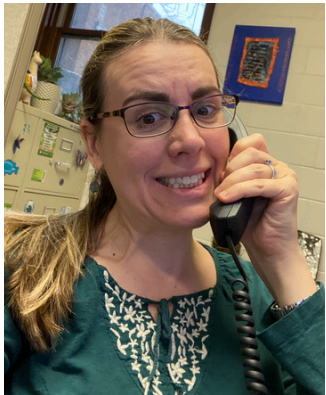
**Blackberry Township Hauling:** Following the passage of a ballot measure in June, unincorporated Blackberry Township will be receiving

## Recycle right and recycle easily this spring!

- Instant notifications about schedule changes
- Use the personalized collection schedule
- Sort waste correctly with the "What Goes Where?" search tool

**recycle coach**

Download on the App Store | GET IT ON Google Play



## 2025 Focus On:

- Recycle Coach fine tuning and promotion
- Chicago Metro REO development
- Planning Kane enhancement to REO project
  - cart tagging and/or school waste project

# Our Program: Special Service Area

- ♻️ Bid and manage hauling contract for Mill Creek SSA (current contract expires 10/31/2026)
- ♻️ All of unincorporated Blackberry Township added to current contract term in 2022
- ♻️ Experiment with new service options, such as "ride-along" food scrap with yard waste and semi-annual electronics collection



**Electronic Waste Home Collection**  
Wednesday, October 9 -  
Thursday, October 10, 2024  
**Mill Creek Collection Requirements**

- Submit a request online by scanning the QR code below, or contact LRS directly
- Electronics must be curbside by 6:00 AM
- Limit of seven items per request
- Maximum of two TVs or monitors (Do not exceed 40 inches or 100 pounds)
- Submit requests by 6:00 PM on Friday, October 4
- Flip this card over to see the list of accepted items

**Requests are Required for Collection**

**Submit Your Request:**  
Online: [LRSrecycles.com/MillCreek](https://LRSrecycles.com/MillCreek)  
Email: [Service@LRSrecycles.com](mailto:Service@LRSrecycles.com)  
Phone: 844.Need.LRS (844.633.3577)



# Our Program: Internal Recycling



## Recycling at Kane County Facilities

### County Employees' Guide to Recycling November 2024



**Table of Contents**

- Single Stream Recycling Basics..... p 1 - 2
- Custodial Services..... p 2
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- Ink & Toner Cartridge Recycling..... p 4 - 5
- Surplus Furniture & Supplies..... p 6
- Document Shredding..... p 6
- Media Items..... p 6

### Single Stream Recycling Basics

Single stream recycling at the office - where items made of different types of material are all mixed in recycling bins together - follows the same guidelines as recycling at home. See commonly encountered items below. Don't see what you're looking for? A full item list is on [this webpage](#).

**♻️ Please put these items in Blue Recycle Bins Clean and Empty: ♻️**

**Cardboard:** corrugated cardboard boxes (empty with all cushioning/interior packaging removed and flattened), paperboard boxes\*

**Large Quantities**  
Put large amounts of cardboard directly into recycling dumpsters or take to Fabyan Recycling Center

**Metal:** food and beverage cans

**Glass:** food and beverage bottles and jars

**Paper:** any office paper larger than a business card, newspapers, magazines, envelopes, paper folders, clean and empty paper single-use cups

**Books, Notebooks, Reports**  
Obsolete/unusable books, notebooks, reports, etc. are best taken to the Fabyan Recycling Center. Please remove any binders, spiral and comb bindings.

**Plastics:** bottles, tubs, jugs, jars, empty and clean, caps can be left on



# Update: Fabyan Recycling Center Improvements

- ♻️ Geneva City Council decision on Special Use Permit, Dec. 2nd
- ♻️ No bids received this fall
- ♻️ Re-evaluating scope and approach

Highest priorities remain:

- Replacement of asphalt and expansion of cement pad to accommodate heavy forklift use
- Office space with improved aesthetics and amenities (insulation, heat, running water)
- Indoor temperature controlled storage
  - Forklift needs better winter temp control to function reliably
  - Manufacturer funded paint and battery collection programs on the horizon
- Landscaping/screening improvements

# Questions or Comments?

Clair Ryan

Kane Co. Recycling Coordinator

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c: 224-230-7926

e: [recycle@kanecountyil.gov](mailto:recycle@kanecountyil.gov)

[ryanclair@kanecountyil.gov](mailto:ryanclair@kanecountyil.gov)



*Thank  
You*

STATE OF ILLINOIS )

SS.

COUNTY OF KANE )

**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.

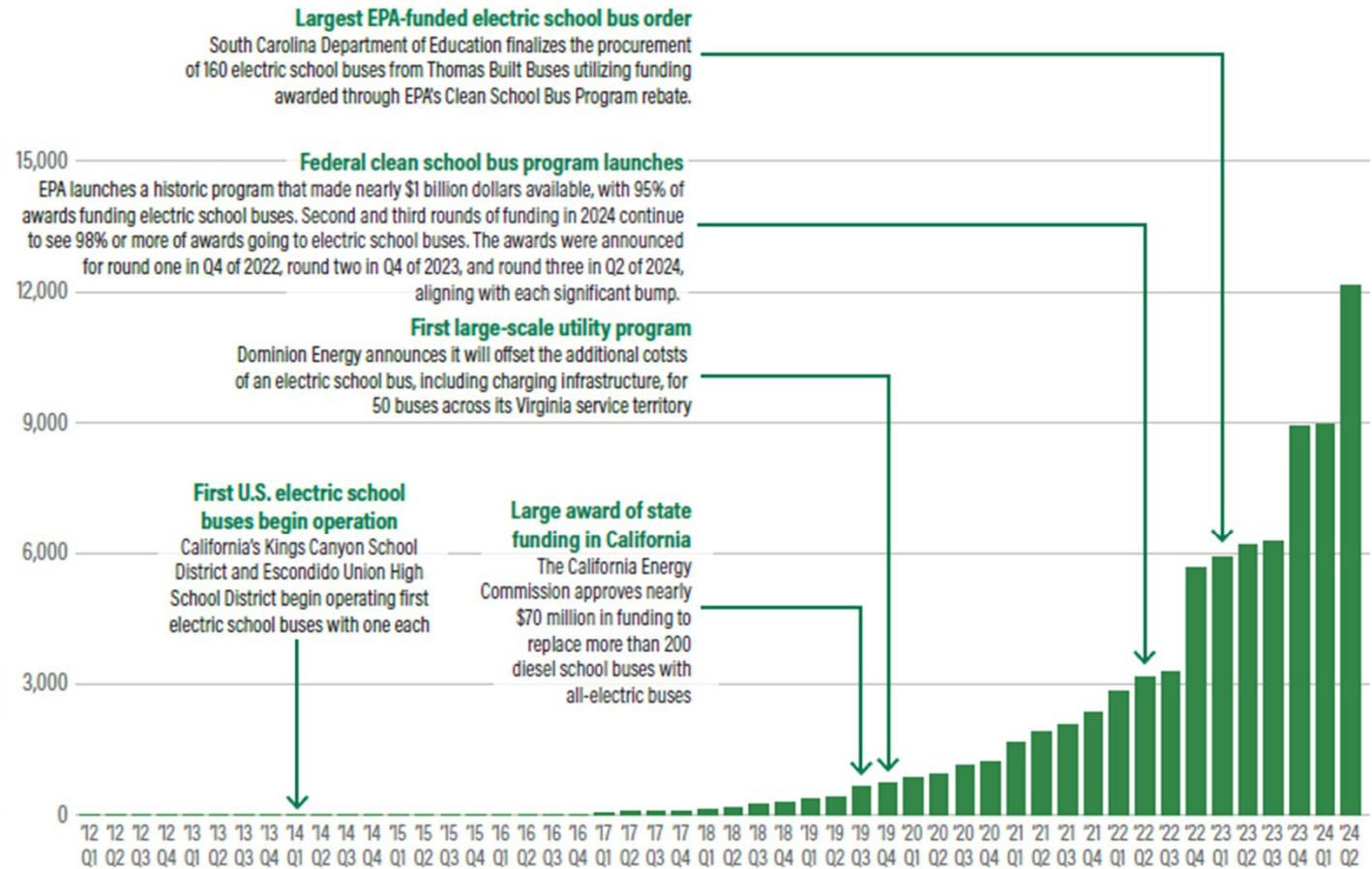


480,000–  
493,000 school  
buses in the  
United States

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					
	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
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