

Kane County

KC Energy and Environmental Committee

Agenda

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

Frida	ay, Au	gust 16, 2024	9:00 AM	County Board Room		
1.	Call	To Order				
2.	Roll	Call				
3.	Rem	ote Attendance Requ	ests			
4.	Approval of Minutes: June 14, 2024 & July 12, 2024					
5.	Public Comment (Agenda Items)					
6.	Public Comment (Non- Agenda Items)					
7.	Environmental (J.Wollnik)					
	Α.	Methane Gas from K	ane County Landfills			
8.	Recycling/Solid Waste (C. Ryan)					
9.	Sustainability (S.Hinshaw)					
10.	New	New Business				
	Α.	Resolution: Approvi USGS for the Stream	ng FY25 Operations and Ma n and Rainfall Gages	aintenance Agreement with		
	В.	Kane County Climate	e Action Implementation Pla	n Kick-off Meeting Presentation		
	C.	IRS Tax Credits and	ComEd Rebates			
	D.	Tree Protection Ordin	nance Update			
11.	Chairs Comments					
12.	Reports Placed On File					
13.	Exe	cutive Session (if need	ded)			

14. Adjournment

STATE OF ILLINOIS)

COUNTY OF KANE)

SS.

PRESENTATION/DISCUSSION NO. TMP-24-2697

METHANE GAS FROM KANE COUNTY LANDFILLS

STATE OF ILLINOIS)

COUNTY OF KANE)

RESOLUTION NO. TMP-24-2571

SS.

APPROVING FY25 OPERATIONS AND MAINTENANCE AGREEMENT WITH USGS FOR THE STREAM AND RAINFALL GAGES

WHEREAS, on October 13, 1998, the Kane County Board passed Ordinance No. 98-251 adopting the Kane County Stormwater Management Plan pursuant to 55ILCS 5/5-1062, which established goals to "identify, protect, and improve floodplains, waterways, lakes, ponds, wetlands...in order to maximize the protection of public health, safety and welfare;" and

WHEREAS, the collection of rainfall and streamflow data is an integral part of planning flood mitigation activities, investigating water quality, and protecting and improving Kane County's water resources; and

WHEREAS, on May 12, 1998, the Kane County Board passed Resolution #98-129 authorizing the expenditure of funds to install, operate and maintain stream and rainfall gages in cooperation with various state and federal agencies, including the United States Geological Survey (USGS) and the Illinois Department of Natural Resources; and

WHEREAS, the County has negotiated joint funding with the USGS for the 2024-2025 operation, maintenance, and monitoring of gages in Kane County under and annual Joint Funding Agreement effective as of October 1, 2024; and

WHEREAS, adequate funds to fulfill this agreement are budgeted for FY2025 and exist in 355.800.668515.50150 for Kane County's commitment of Seventy-Four Thousand and Sixty Dollars (\$74,060); and

NOW, THEREFORE, BE IT RESOLVED that the Kane County Board that the Chairman is hereby authorized to enter into a contract with the USGS to jointly fund the operation, maintenance, and monitoring of rain and stream gages in Kane County in an amount not to exceed Seventy-Four Thousand and Sixty Dollars (\$74,060) to be paid from 355.668.66856 pending the approval of the FY2025 Budget. A copy of the Joint Funding Agreement shall be kept on file with the Kane County Auditor.

Line Item: N/A Line Item Description: N/A Was Personnel/Item/Service approved in original budget or a subsequent budget revision? N/A Are funds currently available for this Personnel/Item/Service in the specific line item? N/A If funds are not currently available in the specified line item, where are the funds available? N/A Passed by the Kane County Board on August 13, 2024.

John A. Cunningham, MBA, JD, JD Clerk, County Board Kane County, Illinois Corinne M. Pierog MA, MBA Chairman, County Board Kane County, Illinois

Vote:



RESOLUTION / ORDINANCE EXECUTIVE SUMMARY ADDENDUM

<u>Title</u>

APPROVING FY25 OPERATIONS AND MAINTENANCE AGREEMENT WITH USGS FOR THE STREAM AND RAINFALL GAGES

Committee Flow:

Energy and Environmental Committee, Finance and Budget Committee, Executive Committee, County Board

Contact:

Sarra Hinshaw - (630) 208-8865

Budget Information:

Was this item budgeted? Yes	Appropriation Amount: \$74,060
If not budgeted, explain funding source: N/A	

Summary:

Monitoring rain and stream gages in Kane County



United States Department of the Interior

U.S. GEOLOGICAL SURVEY CENTRAL MIDWEST WATER SCIENCE CENTER MISSOURI **ILLINOIS IOWA** 1400 Independence Rd. MS100 405 N. Goodwin Ave. 400 S. Clinton St. Rm 269 Rolla, MO 65401 Urbana, IL 61801

Iowa City, IA 52240

June 25, 2024

Ms. Jodie Wollnik Director Kane County, Illinois 719 Batavia Ave Geneva, IL 60134

Dear Ms. Wollnik:

Enclosed is our standard joint-funding agreement 25NEJFA004 between the U.S. Geological Survey Central Midwest Water Science Center and Kane County, Illinois for the operation and maintenance of five streamgages and four precipitation gages located throughout Kane County, IL, during the period October 1, 2024 through September 30, 2025 in the amount of \$74,060 from your agency. U.S. Geological Survey contributions for this agreement are \$23,040 for a combined total of \$97,100. Please sign and return one fully-executed original to Amy Williams at akwilliams@usgs.gov or mail to the address above.

Federal law requires that we have a signed agreement before we start or continue work. Please return the signed agreement by October 1, 2024. If, for any reason, the agreement cannot be signed and returned by the date shown above, please contact Jon Lageman at (815) 901-5530 or email jlageman@usgs.gov to make alternative arrangements.

This is a fixed cost agreement to be billed quarterly via Down Payment Request (automated Form DI-1040). Please allow 30-days from the end of the billing period for issuance of the bill. If you experience any problems with your invoice(s), please contact Amy Williams at phone number (217) 328-9748 or akwilliams@usgs.gov.

The results of all work performed under this agreement will be available for publication by the U.S. Geological Survey. We look forward to continuing this and future cooperative efforts in these mutually beneficial water resources studies.

Sincerely,

Shopy

Gary Johnson Associate Director, Central Midwest WSC

Enclosure 25NEJFA004

U.S. Department of the Interior U.S. Geological Survey Joint Funding Agreement FOR Water Resource Investigations

Customer #: 6000001180 Agreement #: 25NEJFA004 Project #: NE000KT TIN #: 36-6006585

Fixed Cost Agreement YES[X]NO[]

THIS AGREEMENT is entered into as of the October 1, 2024, by the U.S. GEOLOGICAL SURVEY, Central Midwest Water Science Center, UNITED STATES DEPARTMENT OF THE INTERIOR, party of the first part, and the Kane County, Illinois party of the second part.

1. The parties hereto agree that subject to the availability of appropriations and in accordance with their respective authorities there shall be maintained in cooperation for the operation and maintenance of five streamgages and four precipitation gages located throughout Kane County, IL, herein called the program. The USGS legal authority is 43 USC 36C; 43 USC 50, and 43 USC 50b.

2. The following amounts shall be contributed to cover all of the cost of the necessary field and analytical work directly related to this program. 2(b) include In-Kind-Services in the amount of \$0.00

- (a) \$23,040 by the party of the first part during the period October 1, 2024 to September 30, 2025
- (b) \$74,060 by the party of the second part during the period October 1, 2024 to September 30, 2025
- (c) Contributions are provided by the party of the first part through other USGS regional or national programs, in the amount of: \$0

Description of the USGS regional/national program:

- (d) Additional or reduced amounts by each party during the above period or succeeding periods as may be determined by mutual agreement and set forth in an exchange of letters between the parties.
- (e) The performance period may be changed by mutual agreement and set forth in an exchange of letters between the parties.

3. The costs of this program may be paid by either party in conformity with the laws and regulations respectively governing each party.

4. The field and analytical work pertaining to this program shall be under the direction of or subject to periodic review by an authorized representative of the party of the first part.

5. The areas to be included in the program shall be determined by mutual agreement between the parties hereto or their authorized representatives. The methods employed in the field and office shall be those adopted by the party of the first part to insure the required standards of accuracy subject to modification by mutual agreement.

6. During the course of this program, all field and analytical work of either party pertaining to this program shall be open to the inspection of the other party, and if the work is not being carried on in a mutually satisfactory manner, either party may terminate this agreement upon 60 days written notice to the other party.

7. The original records resulting from this program will be deposited in the office of origin of those records. Upon request, copies of the original records will be provided to the office of the other party.

8. The maps, records or reports resulting from this program shall be made available to the public as promptly as possible. The maps, records or reports normally will be published by the party of the first part. However, the party of the second part reserves the right to publish the results of this program, and if already published by the party of the first part shall, upon request, be furnished by the party of the first part, at cost, impressions suitable for purposes of reproduction similar to that for which the original copy was prepared. The maps, records or reports published by either party shall contain a statement of the cooperative relations between the parties. The Parties acknowledge that scientific information and data developed as a result of the Scope of Work (SOW) are subject to applicable USGS review, approval, and release requirements, which are available on the USGS Fundamental Science Practices website (https://www.usgs.gov/office-of-science-quality-and-integrity/fundamental-science-practices).

U.S. Department of the Interior U.S. Geological Survey Joint Funding Agreement FOR Water Resource Investigations

Customer #: 6000001180 Agreement #: 25NEJFA004 Project #: NE000KT TIN #: 36-6006585

9. Billing for this agreement will be rendered **<u>guarterly</u>**. Invoices not paid within 60 days from the billing date will bear Interest, Penalties, and Administrative cost at the annual rate pursuant the Debt Collection Act of 1982, (codified at 31 U.S.C. § 3717) established by the U.S. Treasury.

Customer Technical Point of Contact USGS Technical Point of Contact Name: Jodie Wollnik Name: Jon Lageman Supervisory Hydrologist Director 650 G Peace Road Address: Address: 719 Batavia Ave DE Kalb, IL 60115 Geneva, IL 60134 Telephone: (815) 901-5530 (630) 232-3499 Telephone: Fax: (217) 328-9770 Fax: (n/a)Email: jlageman@usgs.gov Email: WollnikJodie@co.kane.il.us

USGS Billing Point of Contact

Name:	Amy Williams	Name:	Sarra Hinshaw
	Budget Analyst		
Address:	405 N. Goodwin Avenue	Address:	
	Urbana, IL 61801		
Telephone:	(217) 328-9748	Telephone:	(630) 208-8665
Fax:	(217) 328-9770	Fax:	(n/a)
Email:	akwilliams@usgs.gov	Email:	HinshawSarra@KaneCountyIL.gov

U.S. Geological Survey United States Department of Interior

Signature

GARY	Digitally signed by GARY JOHNSON Date: 2024.06.27	
By JOHNSON	12:46:58 -05'00'	Date:

Name: Gary Johnson acting for Amy Beussink Title: Associate Director, Central Midwest WSC

Customer Billing Point of Contact

Kane County, Illinois

Signatures

Ву	Date:
Name:	
Title:	
Ву	Date:
Name:	
Title:	

By_____ Date: _____ Name:

Title:

Kane County, Illinois Attachment for 25NEJFA004

2024-10-01 to 2025-09-30

SURFACE WATER

SITE	Forder		FUNDS	
Collection Description	-	USGS	COOP	TOTA
05550300 TYLER CREEK AT ELGIN, IL				
Full Range Streamflow Station		\$5,760	\$10,540	\$16,30
05551200 FERSON CREEK NEAR ST. CHARLES, IL				
Full Range Streamflow Station		\$5,760	\$10,540	\$16,30
05551330 MILL CREEK NEAR BATAVIA, IL		\$5,760	\$10,540	\$16.30
Full Range Streamflow Station 05551540 FOX RIVER AT MONTGOMERY, IL		\$3,700	\$10,340	\$16,30
Full Range Streamflow Station			\$16,300	\$16,30
05551675 BLACKBERRY CREEK NEAR MONTGOMERY, IL			<i>Q</i> 10,200	010,00
Full Range Streamflow Station		\$5,760	\$10,540	\$16,30
	Total:	\$23,040	\$58,460	\$81,50
CLIMATE				
SITE			FUNDS	
Collection Description		USGS	COOP	TOTAI
05550300 TYLER CREEK AT ELGIN, IL				~
Precipitation, Continuous			\$3,900	\$3,90
05551200 FERSON CREEK NEAR ST. CHARLES, IL				
Precipitation, Continuous			\$3,900	\$3,90
05551330 MILL CREEK NEAR BATAVIA, IL			¢2 000	62.00
Precipitation, Continuous 05551675 BLACKBERRY CREEK NEAR MONTGOMERY, IL			\$3,900	\$3,90
Precipitation, Continuous			\$3,900	\$3,900
	Total	:	\$15,600	\$15,60
GRA	ND TOTAL	:		\$97,10

STATE OF ILLINOIS)

COUNTY OF KANE)

PRESENTATION/DISCUSSION NO. TMP-24-2696

SS.

KANE COUNTY CLIMATE ACTION IMPLEMENTATION PLAN KICK-OFF MEETING PRESENTATION

Shorten edition of Kane County Climate Action Implementation Teams Kick Off Meeting

August 10th 2024







You are the leaders for Kane County Climate Implementation

What kind of actions do we want to prioritize in this first round?



Focus on what is feasible



- Cost savings/benefits to the community
- Short turn around



Co-benefits (improve air quality/public safety etc)



Working with established partners

Priorities



- Volunteer driven programs
- Education and Outreach





- Financial incentives
- Pilot Projects and analysis

HIGH



- Changes in policies and ordinances
- Community wide shift to more climate-friendly behavior

Timeline



When will the meetings take place?

- 1) Within your group, can you internally decide on a time to meet each month that works best for you?
- 2) If not, please fill out the survey on availability (Emailed to you tomorrow). We will determine each groups best time to meet each month and email you with the next meeting details





We can provide a meeting space if you would like to meet in person. We will set up all the zoom meetings for you once a time is known.

Information for each group

1) Read through the strategies as a group. Each person/persons pick a goal that they want to explore in depth before the next meeting.

2) Over the next month, gather relevant resources for each action within the strategies you have selected and add the information to the Google Drive in the respective strategy/action 3) Decide on the top 2 actions that you believe is the best to work on first and prepare to present to the group at the next meeting.

Questions to think about when researching

Criteria	Consideration	Questions to Ask
Greenhouse Gas Emissions Reductions	CO₂e Reductions	Will this action lead to emissions reductions?
Equity	Affected Group	Will this action directly benefit environmental justice and/or low- income communities in Kane County?
Technical Feasibility	Implementation Barriers	Are there any barriers to implementation?
	Cost	What is the estimated budget?
Deciliance & Adaptation	Climate Resilience	Will this action mitigate the impacts of climate change in Kane County?
Resilience & Adaptation	Climate Adaptation	Will this action improve Kane County's capacity to adapt to extreme heat, flooding, and/or air quality?
	Cost Savings	Are there potential cost savings for citizens and/or the County?
Co-Benefits	Quality of Life	Will this action improve the health, wellbeing, and safety of citizens living within Kane County?
	Workforce	Will this action bring additional jobs or workforce development to Kane County?
Timeline	Implementation Timeline	Will this action be fully implemented within a year?

Expectations

• Overall Expectations:

- This is a commitment.
- Respect Kane County Staff and your peers.
- Each group should meet once a month.
- Follow your intuition.

- Research Expectations:
 - <u>Estimated Effort:</u> 5+ hours per month.
 - Provide links or citations for all sources you use.
 - Stay focused on the action.

Snack Time Questions



Who was the first president to put solar panels on the roof of the White House?

It's time to come back

Follow-Up:

• Did you figure out a time to meet?

• Did you appoint a group leader?

• Each Group: Tell us what you discussed!



A Final Word From Mavis:



"Put solar panels on every dog house!"



STATE OF ILLINOIS)

COUNTY OF KANE)

SS.

PRESENTATION/DISCUSSION NO. TMP-24-2705

IRS TAX CREDITS AND COMED REBATES

Elective Pay and ComEd rebates for electric vehicles and chargers



ComEd rebates - vehicles

 Kane County purchased 2 Electric Cargo Vans in 2023. Heidi Files applied for the rebate and received \$10,000

ComEd Business Customer EV Rebates

Business and public sector customers may qualify to get a rebate for upgrading vehicles to electric. The highest program rebates are reserved for Select Customers*.

Fleet Vehicles, Class 1-2 (Light duty) rebates

- Base rebate: \$5,000
- Select Customers Rebate*: \$7,500

ComEd rebates - charger

 Kane County purchased 1 EV charger in June 2024. Once installed, I will apply for the rebate totaling \$10,666

Business and public sector customers can also receive rebates on make-ready infrastructure, whether located on the customer side or ComEd side of the meter for Level 2 ("L2") and Direct Current Fast Chargers ("DCFC" or Level 3). EV chargers, also known as Electric Vehicle Supply Equipment (EVSE), and mounting equipment/pedestals are not eligible for program rebates.

Make-Ready** Rebate Program Payment Limits

Make-Ready Rebates for infrastructure serving Level 2 (L2) Charger

- Base Rebate: Make-ready rebate of up to \$5,333 per port with a 10-port maximum
- Select Customers* Rebate: Make-ready rebate of up to \$8,000 per port with a 10-port maximum



IRS Elective Pay

- Elective pay has tax credits for numerous energy efficient upgrades such as
 - Roofs, building envelope, HVAC, etc
 - EV chargers and vehicles
 - advanced energy projects for manufacturers



IRS Clean Energy Account



GET STARTED

GET STARTED

IRS - 30C Alternative Fuel EV Charger

 The charger was placed in a rural area so qualifies for up to 30% credit

-The cost of the charger was \$14,214

-Credit = \$4,264



IRS – 45 W Clean vehicle Credit

- 15% of Hybrid and 30% for Full EV
- Max Credit of \$7500



Costs Savings – Cargo Vans

- 2 Cargo vans purchased at \$49,315 each
- ComEd rebate = \$5,000
- IRS Elective Pay rebate = \$7,500



Gasoline Savings

 Gas Mileage for a 2023 combustion engine 350 cargo van= 14.28 MPG

• As of May 2024 miles for both E-Vans = 2,879



Gasoline Savings

- At 14.28MPG if the E-vans were combustion engine this is equivalent to 202 gallons of gas
- If we would have bought a combustion engine cargo vans the cost of gas (~\$4 a gal) =
 \$806.44 to date

• But how does that compare the amount of electricity we use to charge?

How much electricity does the vans consume by charging?

- Usage to May was 2238 kWh
- Cost per kwh to charge = 0.075

Gas		= new
estimate	 electricity 	savings
savings	used	estimate
\$806.44	\$167.85	<mark>\$638.59</mark>

Cost to charge to date
 = \$167.85
Costs Savings – Hybrids

• Hybrids purchased at \$45,054

• IRS Elective Pay rebate = \$6,758

New Cost = \$38,296 for each SUV



Cost Savings - EV Charger

• Total cost = \$14,214

- ComEd rebate = \$10,666

- IRS Credit = \$4,264



Total savings

- EV Charger = \$14,214
- Cargo Vans = \$25,638
- Hybrids = \$13,516



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$53,369
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STATE OF ILLINOIS)

COUNTY OF KANE)

SS.

PRESENTATION/DISCUSSION NO. TMP-24-2715

TREE PROTECTION ORDINANCE UPDATE



Tree Protection Ordinance Update

Energy & Environment Committee – August 16, 2024



TREES REGULATED

FIRST DRAFT

HERITAGE:

- Oaks 10" DBH or greater
- Hickory 10" DBH or greater
- All trees greater than 20" DBH except invasive

PROTECTED:

• All trees greater than 6" DBH except invasive

CURRENT DRAFT

-HERITAGE: PROTECTED:

- Oaks 10" DBH or greater
- Hickory 10" DBH or greater
- All trees greater than <u>15" DBH</u> except invasive

-PROTECTED:

 All trees greater than 6" DBH except invasive

PROPERTY REGULATED

FIRST DRAFT

Single family homes greater than 1 acre

All other zoning properties

CURRENT DRAFT

Single family homes greater than 15 acres

All other zoning properties

Properties under review for building, stormwater, zoning or subdivision permits

PROPERTY EXEMPTED

FIRST DRAFT

Single family homes less than 1 acre Commercial nurseries & orchards Parkway trees within a public ROW Government property Public Utilities

CURRENT DRAFT

Single family homes less than 15 acres

Commercial nurseries & orchards

-Parkway trees within a public ROW

-Government Property

Public Utilities

Agricultural Uses (definition under review)

TREE REMOVAL PERMIT PROCESS

FIRST DRAFT

HERITAGE TREE

Not allowed unless approved by Officer & ZBA

Appeal process through E&E Committee & County Board

Very few reasons allowing removal

PROTECTED TREE

Tree removal permit

\$75 fee

CURRENT DRAFT

HERITAGE TREE PROTECTED TREE

-Not allowed unless approved by Officer & ZBA

Tree Removal Permit Application \$250 fee (consultant costs)

Appeal process through E&E Committee & County Board

-Very few reasons allowing removal

PROTECTED TREE

JOINT PERMIT FOR CONSTRUCTION

Appeal through Development Committee

TREE PERMIT APPROVAL PARAMETERS

FIRST DRAFT

Tree dead or dying (fee waived)

Tree is diseased (fee waived)

Tree is damaged (fee waived)

Removal consistent with good forestry practices

CURRENT DRAFT

Tree dead or dying (fee waived)

Tree is diseased (fee waived)

Tree is damaged (fee waived)

Removal consistent with good forestry practices

Purpose and Need for Tree Removal, evaluation of alternates to validate tree removal is best option.

TREE PROTECTION DURING CONSTRUCTION

FIRST DRAFT

Separate Tree Removal Permit Required with Tree Preservation Plan

CURRENT DRAFT

Building & Stormwater Permitting: Incorporate Tree Removal Permit and Preservation Plan into Building and Stormwater Permit process, site plan to ID trees for removal & protection. Permit notes to include Standard Conditions related to trees.

Subdivision & Zoning: Include tree removal and preservation into process to review and approve through Development Committee

INVASIVE TREES

FIRST DRAFT

Property owner has to prove to Director that trees to be removed are invasive which include hiring an arborist to do so and having the County arborist under contract verify

CURRENT DRAFT

Apps and websites will be provided in Guidance Manual that can be used by Property Owners to identify invasive species and invasive species can be removed with no further action by the owner.

TREE ORDINANCE FUNDING

THERE IS NO FUNDING INCLUDED IN THE FY 2025 BUDGET, RECOMMEND \$30,000 FOR EXTERNAL ARBORIST + 5,000 FOR TREE PLANTING PROGRAM – REQUEST \$35,000 FROM RIVERBOAT UNDER ENVIRONMENT

NEED TO CONSIDER EFFECTIVE DATE FOR TREE ORDINANCE (JUNE 1, 2025?)

NEXT STEPS:

TODAY: COMMITTEE TO CONFIRM DIRECTION OF ORDINANCE REVISIONS JUST PRESENTED

NORTH AND SOUTH PUBLIC MEETINGS TO BE HELD TO SOLICIT PUBLIC COMMENT

REVISED DRAFT TO RETURN TO COMMITTEE FOR DISCUSSION IN OCTOBER