



Kane County

KC Energy and Environmental Committee

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

Agenda

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

Friday, June 13, 2025

9:00 AM

County Board Room

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: May 16, 2025**
 5. **Public Comment (Agenda Items)**
 6. **Environmental (J.Wollnik)**
 - A. Environmental & Water Resources Mandates and Budgeting
 7. **Recycling/Solid Waste (C. Ryan)**
 8. **Sustainability (S.Hinshaw)**
 - A. Electrical Aggregation Civic Contribution Program Review
 - B. Midwest Climate Summit Conference
 - C. **Resolution:** Authorizing Signature on the Master Power Supply Agreement for the Kane County Electrical Aggregation Program
 9. **New Business**
 10. **Chairs Comments**
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- 11. Reports Placed On File**
- 12. Executive Session (if needed)**
- 13. Adjournment**

STATE OF ILLINOIS)

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COUNTY OF KANE)

PRESENTATION/DISCUSSION NO. TMP-25-666

ENVIRONMENTAL & WATER RESOURCES MANDATES AND BUDGETING



ENVIRONMENTAL & WATER RESOURCES DEPARTMENT OVERVIEW & MANDATES

COUNTY OF KANE – ENERGY & ENVIRONMENTAL COMMITTEE – JUNE 13, 2025

PROGRAMS AND COMMITTEES

DEVELOPMENT COMMITTEE – PRIMARY

- Subdivision Administration
- Land Cash Ordinance
- Plat Officer
- Stormwater Management - Countywide
- Floodplain Management
- Stormwater Permitting for Unincorporated Kane
- Cost-Share Drainage Program
- Drainage Complaint Technical Assistance
- Small Community Water & Wastewater
- Isolated Wetland Permitting
- GIS Mapping of Countywide Stormwater Features

ENERGY AND ENVIRONMENT - SECONDARY

- Solid Waste Planning
- Settlers Hill Landfill Post Closure
- Sustainability
- Climate Action Planning - Countywide
- Electric Aggregation
- Energy Efficiency
- Recycling
- NPDES
- Water Supply Planning
- Water Conservation Programs
- Watershed Planning

COUNTY BOARD COMMITTEES

ADMINISTRATION COMMITTEE – SECONDARY

- Water Management Plan for AJC & JJC – Core Team, IDPH
- Energy Efficiency – All Buildings
- Life Cycle Costing - Purchasing
- Kane County Recycling Center - Fabyan
- Kane County Natural Areas Management, Geneva Creek, Rain Gardens, Native Vegetation Areas
- Kane County Solar Projects – Animal Control, AJC
- Natural Gas & Electric Ag.
- Sensible Salt Education for County Facilities
- Tree Management
- Rebates and Energy Saving Incentives

AGRICULTURE COMMITTEE- SECONDARY

- Technical & Grant assistance to Drainage Districts
- Re-Activation of Drainage Districts & Appointments
- Water Quality for Nutrients off Ag.
- Drain tile education and evaluation
- Stormwater Management Farm Bureau Working Group
- Promotion of Pollinator Gardens and Grant assistance
- Bioreactor and Demonstration Projects
- Pending Legislation through IADD
- Climate Action Planning - Agriculture

ENVIRONMENTAL & WATER RESOURCES MANDATES

FEDERAL STATE COUNTY

- Stormwater Management: Chapter 9 County Code
- Stormwater Management :55 ILCS 5/5-1041-,1042, 1049, 1062, 1063, 1104, 12003, 15001 et seq, and 415 Illinois Compiled Statutes 5/43
- Wetland Regulations: Chapter 9 Article 15
- Wetland Regulations: Section 404 of the Clean Water Act (33 U.S.C. 1344) & Section 10 of the Rivers & Harbors Act (33 U.S.C. 403)
- Water Resources: Federal Register 44 CFR Part 62 National Flood Insurance Program
- Water Resources: 92IL Administrative Code Part 708 Floodway Certification with FEMA
- Water Resources: 35IL Adm. Code Subtitle C, Chapter 1 – NPDES, MS-4
- Water Resources: 20 ILCS 3305/Illinois Emergency Management Act
- Water Resources: IDPH, CDC and ASHRAE 188 – Water Management Plan
- Water Resources: IEPA – Public Water Supply – Judicial Center
- Water Resources: 55ILCS 5/5 Cpt 34, par 5-1062 Required Stormwater Plan

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ENVIRONMENTAL & WATER RESOURCES MANDATES

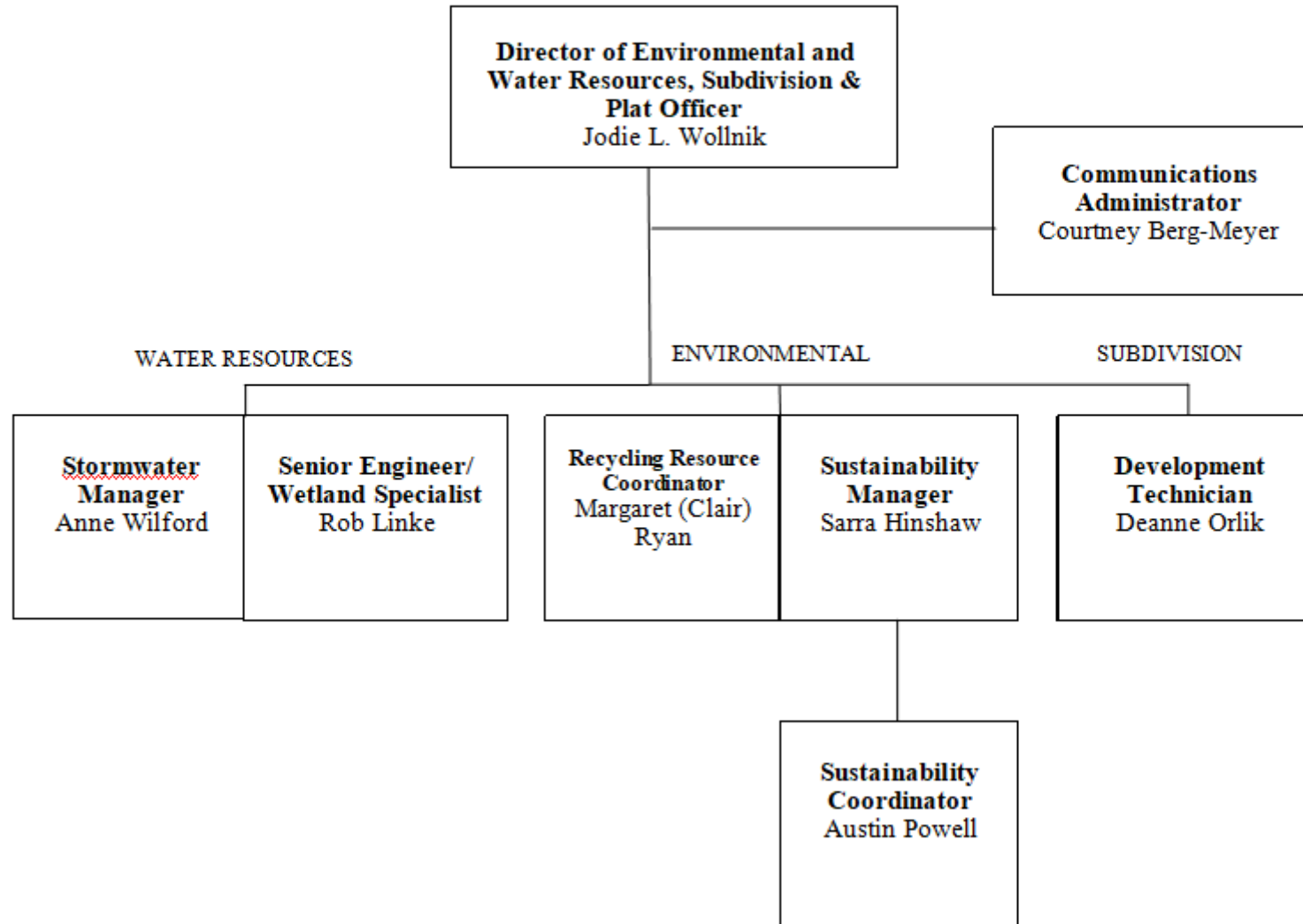
FEDERAL STATE COUNTY

- Subdivision: Kane County Code Chapter 6, Chapter 19, Appendix B
- Recycling & Waste Recovery: Public Act 102-1055
- Recycling & Waste Recovery: Consumer Electronics Recycling Act (415 ILCS 151)
- Recycling & Waste Recovery: Solid Waste Planning & Recycling Act (415 ILCS 15)
- Recycling & Waste Recovery: Kane County Code 11-111 A
- Recycling & Waste Recovery: 35 IAC, Subtitle G, Part 811 & 812, 814.1094, 301 & 302 – Settler's Hill Landfill
- Recycling & Waste Recovery: Public Act 102 -1055 Compost Events
- Energy & Resource Conservation: Kane County Energy Plan
- Energy & Resource Conservation: Kane County Climate Action Plan
- Energy & Resource Conservation: Green Building Code

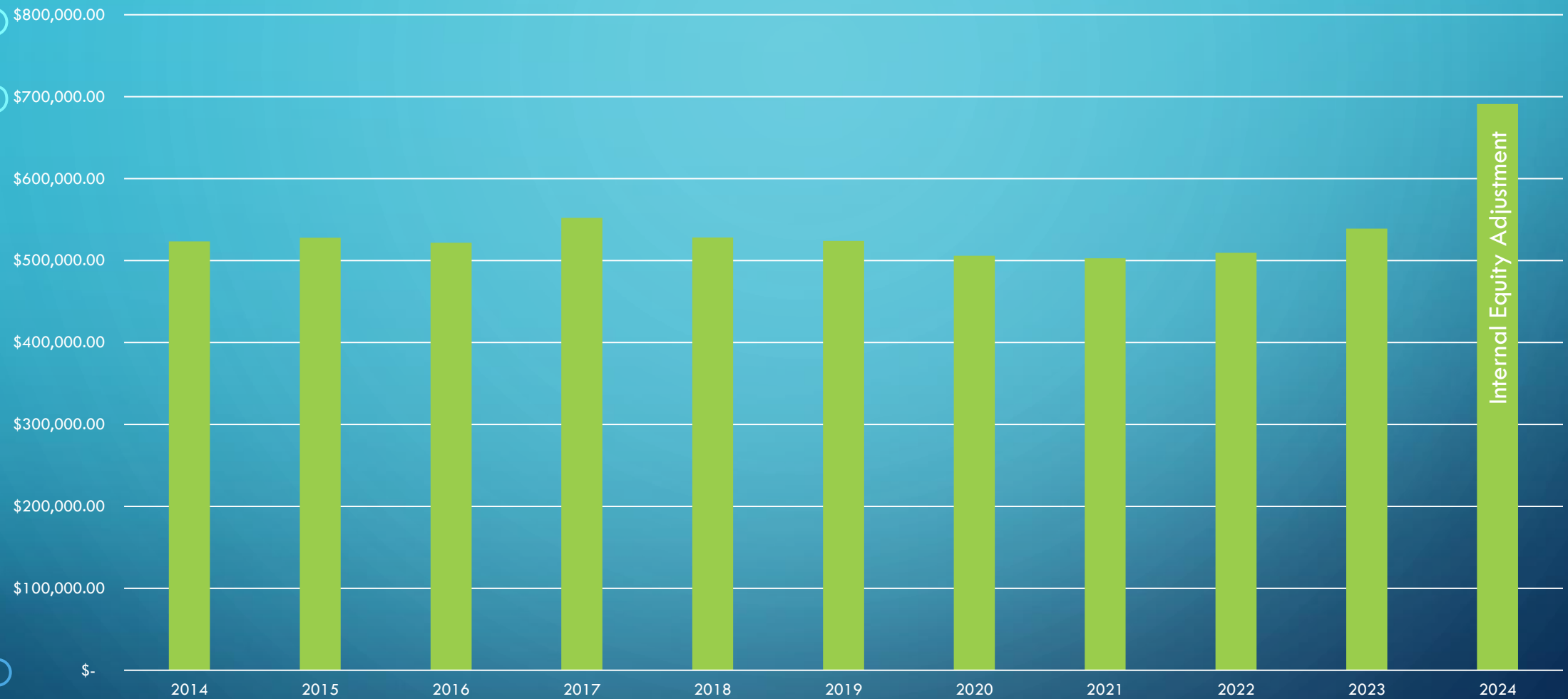
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2025 Environmental & Water Resources Organizational Chart

Includes (001) General EWR; (001) Electrical Agg; (650) Enterprise Surcharge; (420) Stormwater Mgmt;



Environmental & Water Resources Total Salary Over Time



Department Salaries did not increase between 2014 and 2023 due to elimination of Assistant Director position and part time admin. that offset cost of living increases.

ENVIRONMENTAL & WATER RESOURCE SALARIES

- Water Resource salaries are supported by fees generated by Stormwater Permit, Site Grading fees, Wetland Permit fees, Development Department Building & Zoning fees and Qualified Engineer & Wetland Specialist fees.
- Subdivision salary is supported by subdivision and zoning fees.
- Recycling salary is supported by Waste Hauling fees and HHW fees.
- Sustainability salaries are supported by the Electric Aggregation program as well as rebates and electric/natural gas savings generated by directives.
- Per direction of the Development Committee, we are evaluating fees that were last updated in 2019.

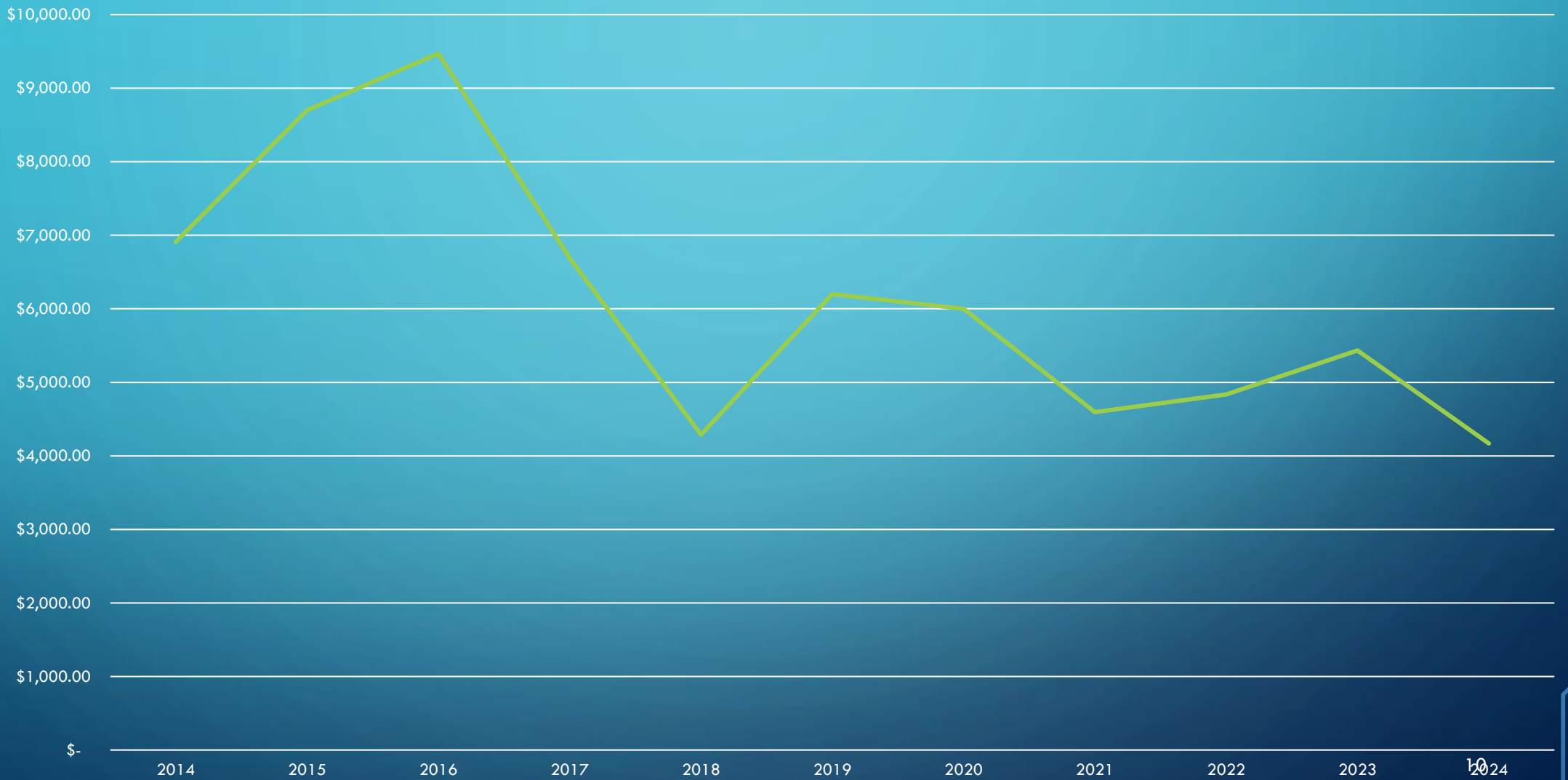
ENVIRONMENTAL & WATER RESOURCE SALARIES

- The Sustainability Sub-Department's work has realized cost-savings to the County's

- General Fund:

- \$250,000 average per year in electricity savings for Judicial Center due to solar field for next 25 years (yearly 2025-2049, 2024 was \$307,000)
- \$59,948 in rebates for hybrid and building management vans and chargers (one-time 2024)
- \$50,000 + \$45,000 annually for LED conversion for Judicial Parking Lights, ComEd rebate, EECGB Grant, electric savings
- \$3,658 Nicor rebate obtained for replacement of HVAC on AJC Roof
- \$TBD LED conversion for Judicial Interior Building Lights, ComEd rebate, EECBG Grant, annual electric savings
- \$TBD Solar on new Elgin Health Building, long term electric savings
- \$TBD Solar on Fabyan Property, long term income

Environmental & Water Resources – General Fund Contract & Commodities



ENVIRONMENTAL & WATER RESOURCES DEPARTMENT

650 ENTERPRISE SURCHARGE FUND HISTORY

Fund created with revenue from Tipping Fees from Settler's Hill Landfill. Illinois Pollution Control Act 45 restricts the use of the funds to long term monitoring & maintenance of Settler's Hill, inspection, enforcement & other activities in accordance with the Solid Waste Disposal Act or for other environment-related purposes.

Waste Management is conducting Closed Landfill Care and Maintenance during the Closed Landfill Care Period (typ 20 yrs – Settler's Hill Closed in 2007). Once Post-Closure period is complete, Kane County will be fully responsible for landfill in perpetuity.

Kane County Board reduced the 650 Fund minimum balance to \$3,000,000 to free up funds for the construction of the Cross County Course. These funds are critical to support environmental issues following Closed Landfill Care Period (Third party lawsuits, gas/groundwater contaminant migration, ongoing settling/drainage, leachate disposal costs). Recommend Resolution increasing minimum fund balance to \$4,000,000 to ensure sufficient funds are available post-closure.

By maintaining the fund balance in 650, the Department is able to use the interest earned on the fund to pay for salary, contractual services & commodities for mandated Recycling & Waste Recovery programs which reduces the Department budget in the General Fund.

ENVIRONMENTAL & WATER RESOURCES DEPARTMENT

2026 BUDGET

The Finance Committee directed all Departments to reduce the General Fund Budget by 10%.

Fund 001.670.692 required reduction is \$70,000. In order to meet this decrease, we will increase Riverboat request by \$70,000 for a percentage of the Sustainability Manager Salary under the Environment criteria for Riverboat.

Fund 001.670.693 – Electric Aggregation, as this directly from revenue from the Electric Aggregation program, the revenue will be increased by 10% to meet the Finance Committee's goal.

QUESTIONS??



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PRESENTATION/DISCUSSION NO. TMP-25-688

ELECTRICAL AGGREGATION CIVIC CONTRIBUTION PROGRAM REVIEW

Kane County Electric Aggregation

June 13, 2025



Agenda



1. Current Program Review
2. Review RFP results for Traditional Aggregation
3. Review Price Match / Civic Contribution Option
4. Projected Aggregation Timeline

Aggregation Program Review



Current Supplier: MC2 Energy
Current End Date: December 2025 (8,920 houses currently in this program)

Program Highlights

- Civic Contribution to Kane County \$80K per year (\$160K for two-year program)
- Program matches the ComEd Rate “No Rate Risk”
- Residents can leave the program at anytime with zero cancellation fees.
- Program is only available for Residents and Small business in unincorporated Kane County (not including Aurora & Dundee Townships).

Traditional Program Results from RFP



ComEd Price to Compare (Summer / Winter Avg) = \$0.09602

	Constellation	Direct Energy	Dynegy	MC2 Energy	Eligo Energy
Kane County <u>12-month</u> term (Priced as stand alone)	No Bid	\$0.111	\$0.0998	\$0.107	No Bid
Kane County <u>24-month</u> term (Priced as stand alone)	No Bid	\$0.113	\$0.102	\$0.109	No Bid

- Prices as of 06-02-2025. Updated pricing will be presented at 06-13-2025 Energy & Environment Committee meeting.

Civic Grant Program Results from RFP

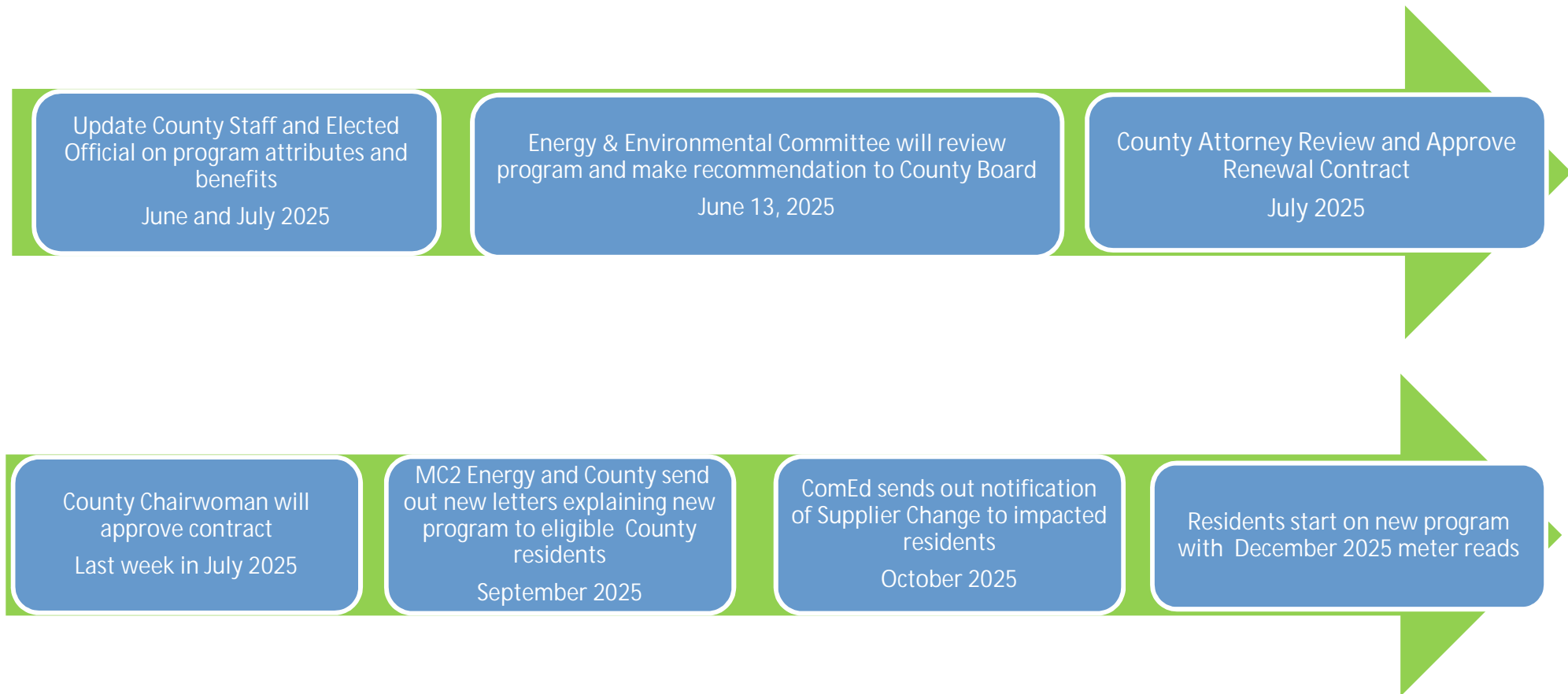


Currently MC2 Energy is only Supplier offering Civic Grant Program with ComEd Price Match Guarantee.

Supplier	Monthly	12-Month	24-Month
MC Energy Current	\$6,667	\$80,000	\$160,000
MC Energy New Program	\$9,000	\$108,000	\$216,000

- 35% increase vs. current program.

Aggregation Timeline



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PRESENTATION/DISCUSSION NO. TMP-25-687

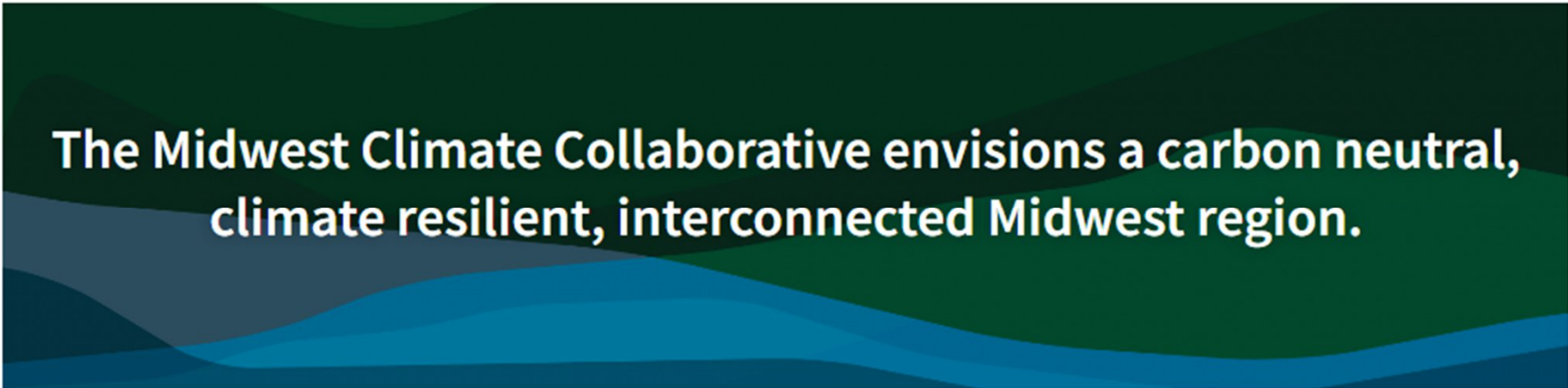
MIDWEST CLIMATE SUMMIT CONFERENCE

Midwest Climate Summit 2025

April 29th -May 1st

Hosted By:

Midwest Climate Collaborative



The Midwest Climate Collaborative envisions a carbon neutral, climate resilient, interconnected Midwest region.

Our Mission

To facilitate the development of a coherent Midwestern response to the climate crisis through acceleration of climate action, knowledge generation, and leader development led by a cross-sector collaboration of key organizations throughout the Midwest.

[Membership Details](#)

Heather Navarro Director of the Collaboration



A few of the sessions attended

- Making Clean Energy Work: Community Solar, Electric Vehicles and Resilience
- Engaging Businesses in Climate Action
- Midwest Climate Change – Education- Where do we go from here?
- Making the Most of Clean Energy Funding Opportunities

Field Trips

Dane County Trash Lab exhibit



Midwest Climate Summit - 2025

Powered By *Uthova*

Troy Farm



Midwest Climate Summit - 2025

Powered By *Uthova*

Sarra went to:



- LEED standard on all buildings
- Geothermal heating
- Composting
- Large underground water storage saving 2 million gallons a year
- <https://www.henryvilaszo.org/conservation/>



- In 2014 Madison Children's Museum was awarded LEED Gold certification for an existing building. Only Museum in Wisconsin to earn this honor.
- <https://madisonchildrensmuseum.org/about/green-initiatives/>
- Video of the sustainability efforts at the museum

Austin - Net Zero Energy Public Buildings

Forest Edge Elementary

First all-electric building in US



McFarland Public Safety Center
solar and geothermal energy, heat
pumps, and radiant floor heating



Thank you

Sarra Hinshaw PhD
(Ph) 630-208-8665

Environmental and Water Resources Department

[Sustain Kane Facebook Page](#)

[Sustain Kane Instagram Account](#)





RESOLUTION / ORDINANCE EXECUTIVE SUMMARY ADDENDUM

Title

Authorizing Signature on the Master Power Supply Agreement for the Kane County Electrical Aggregation Program

Committee Flow:

Energy and Environmental Committee, Executive Committee, County Board

Contact:

Sarra Hinshaw 630-208-8665

Budget Information:

Was this item budgeted? NA	Appropriation Amount: \$NA
If not budgeted, explain funding source: NA	
Was this item passed through the appropriate committee? Click or tap here to enter text.	

Summary:

The purpose of this resolution is to authorize the Chairman of the Board to enter into contract for the Electrical Aggregation Program