

**KENDALL COUNTY BOARD AGENDA
ADJOURNED SEPTEMBER MEETING**

**Kendall County Office Building, Rooms 209 & 210
Tuesday, October 15, 2019 at 9:00 a.m.**

1. Call to Order
2. Roll Call
3. Determination of a Quorum
4. Approval of Agenda
5. Special Recognition
 - A. Celebration of Frank Carreno, III
 - B. Celebration of Ken "Pick" Pickerill
 - C. Celebration of David L. Stewart
6. Public Comment
7. Public Hearing
 - A. Petition 19-33-Request from the Kendall County Planning, Building and Zoning Committee for an Amendment to Section 104 of the Kendall County Stormwater Management Ordinance by Changing the Definition of Bulletin 70 from the 1989 Version of Bulletin 70 to the 2019 Version of Bulletin 70.
8. Consent Agenda
 - A. Approval of County Board Minutes from September 17, 2019
 - B. Standing Committee Minutes Approval
 - C. Approval of Claims in an amount not to exceed \$1,618,242.03
 - D. Petition 19-33-Request from the Kendall County Planning, Building and Zoning Committee for an Amendment to Section 104 of the Kendall County Stormwater Management Ordinance by Changing the Definition of Bulletin 70 from the 1989 Version of Bulletin 70 to the 2019 Version of Bulletin 70.
 - E. Approval of 2020 Comprehensive Noxious Weed Work Plan
 - F. Approval to Release Minutes of the October 7, 2019 Planning, Building and Zoning Executive Session
9. Old Business
 - A. Approval of resolution requesting the State's Attorney execute a modified agreement with City of Plano, Illinois, Lakewood Springs Special Service Area 5, Delinquent Tax Parcels, LLC for the settlement of delinquent real estate taxes, interest, and costs for 200 lots located within Lakewood Springs
 - B. Approval of existing vehicle maintenance contract extension, to run from December 1, 2019 through November 30, 2021 with Gjovik Ford, Inc.
10. New Business
 - A. Approval of Ordinance to Amend Kendall County Ordinance 86-6 "Kendall County Raffle Ordinance"; last amended August 5, 2014
11. Elected Official Reports & Other Department Reports
 - A. Sheriff
 - B. County Clerk and Recorder
 - C. Treasurer
 - D. Clerk of the Court
 - E. State's Attorney
 - F. Coroner
 - G. Health Department
 - H. Supervisor of Assessments
12. Executive Session
13. Standing Committee Reports
 - A. Planning, Building & Zoning
 1. Approval of Petition 19-32-Request from John and Erin Sharkey and Theodore Parks to Relocate a Ten Foot Public Utility and Drainage Easement from the Northern Boundary Line of Lots 1 and 4 of Highgrove Subdivision to the Northern Property Lines of Parcels 09-07-200-034 and 09-07-200-033 and Extend a Public Utility and Drainage Easement Along the Eastern Side of Parcel 09-07-200-033 in Seward Township
 2. Approval of Part Time Code Enforcement Officer Job Description
 3. Approval of PBZ Official Job Description
 - B. Administration – Human Resources & Revenue/GIS
 1. Approval of GIS Mapping Recorded Document Policy
 2. Approval of Blue Cross Blue Shield 2020 Health Insurance Plan
 3. Approval of Blue Cross Blue Shield/Dearborn 2020 Basic and Voluntary Life Insurance Plan
 4. Approval of EyeMed 2020 Vision Plan
 5. Approval of MetLife 2020 Dental Insurance Plan

- 6. Approval of 2018 MLR Premium Rebate Check Refund 75/25 County/Employee split
- C. Economic Development Committee
 - 1. Discussion of Revised EDC Recap Strategy Ordinance
- D. Finance Committee
 - 1. Approval of 2020 GIS Fee Increase Ordinance
- 14. Special Committee Reports
 - A. Historic Preservation
 - B. Board of Health
- 15. Other Business
- 16. Chairman's Report

Announcement

Kristi Walker – TB Board – 2 year term – Expires October 2021

- 17. Public Comment
- 18. Questions from the Press
- 19. Adjournment

If special accommodations or arrangements are needed to attend this County meeting,
please contact the Administration Office at 630-553-4171, a minimum 24-hours prior to the meeting time.

**KENDALL COUNTY BOARD
REGULAR SEPTEMBER MEETING
September 17, 2019**

STATE OF ILLINOIS)
) SS
COUNTY OF KENDALL)

The Kendall County Board Meeting was held at the Kendall County Office Building, Room 209, in the City of Yorkville on Tuesday, September 17, 2019 at 9:00 a.m. The Clerk called the roll. Members present: Chairman Scott Gryder, Elizabeth Flowers, Scott Gengler, Tony Giles, Judy Gilmour, Audra Hendrix, and Matt Kellogg. Members absent: Amy Cesich, Matt Prochaska and Robyn Vickers.

The Clerk reported to the Chairman that a quorum was present to conduct business.

THE AGENDA

Member Hendrix moved to approve the agenda. Member Giles seconded the motion. Chairman Gryder asked for a voice vote on the motion. All members present voting aye. Motion carried.

SPECIAL RECOGNITION

Chairman Gryder recognized members of the community who have recently passed; Dave Stewart, Ken Pickerill and Frank Carreno.

CONSENT AGENDA

Member Hendrix moved to approve the consent agenda of A) County Board minutes from August 27, 2019; B) standing committee minutes; C) claims in an amount not to exceed \$758,225.66; D) release of County Board Executive Session minutes from June 20, 2017, March 21, 2018 and April 3, 2019; E) Sheriff's Office Fee Study; and F) Preliminary Engineering Services Agreement between Kendall County and HR Green, Inc. in the amount of \$23,738.15 to prepare plans and specifications for concrete patching on Eldamain Road between U.S. Route 34 and Menards Distribution Center; said funds to be taken from the Transportation Sales Tax Fund. Member Gilmour seconded the motion. Chairman Gryder asked for a roll vote on the motion. All members present voting aye. Motion carried.

COMBINED CLAIMS: FCLT MGMT \$32,943.53, B&Z \$2,087.25, CO CLK & RCDR \$286.71, ELECTION \$6,409.93, ED SRV REG \$6,247.84, SHRFF \$22,369.24, CRRCTNS \$365.76, MERIT \$4,919.30, EMA \$1,064.08, CRCT CT CLK \$216.42, JURY COMM \$257.48, CRCT CT JDG \$1,555.33, CRNR \$18.00, CMB CRT SRV \$1,976.19, PUB DFNDR \$16,221.25, ST ATTY \$1,138.18, SPRV OF ASSMNT \$15.99, CO TRSR \$167.36, EMPLY HLTH INS \$94.50, OFF OF ADM SRV \$37.07, GNRL INS & BNDG \$54.00, CO BRD \$704.70, TECH SRV \$7,741.56, FAC MGT UTLTS \$72.69, CAP EXPEND \$366.44, CAP IMPRV \$13,539.36, CO HWY \$14,353.05, CO BRDG \$4,444.90, TRNSPRT SALES TX \$439,660.78, HLTH & HMN SRV \$15,662.04, FRST PRSRV \$401.45, ELLIS HS \$302.62, ELLIS BRN \$199.21, ELLIS GRNDS \$172.22, ELLIS CMPS \$44.95, ELLIS RDNG LSSNS \$750.85, ELLIS BDAY PRTIES \$183.05, ELLIS PUB PRGMS \$174.69, ELLIS WDDNGS \$102.08, HOOVER \$1,699.31, ENV ED SCHL \$39.00, ENV ED NTRL BGNNGS \$481.47, ENV ED LWS OF NTR \$30.35, NTRL AREA VLNTR \$12.87, GRNDS & NTRL RSCS \$6,615.15, PCKRLL PGTT FP \$42.10, ANML CNTRL EXPND \$358.64, CO RCDR DOC STRG \$11,000.00, SHRFF PREV ALCH CRM \$3,022.11, DRG ABS EXP \$40.08, HIDTA \$31,510.99, CMSRY FND \$17,813.15, IDOT CPS GRNT \$919.54, CRT SEC FND \$95.52, LAW LBRY FND \$2,998.08, VCTM IMPCT PNL FND \$800.00, JVNL JSTC CNCL \$545.00, PRBTN SRV \$7,949.24, KC DRG CT FND \$153.34, FMLY VIOL COORD CNCL \$1,800.00, GIS \$869.89, TX SL AUTO EXP \$372.25, PUB SFTY \$53,847.42, VAC \$3,477.08, CRNR SPCL FND \$600.88, FP BND PRCD \$13,810.15

F) A complete copy of IGAM 19-40 is available in the Office of the County Clerk.

NEW BUSINESS

Proclamation – It's our Fox River Day

Member Flowers moved to approve the proclamation establishing "It's our Fox River Day – a Watershed Wide Celebration". Member Gilmour seconded the motion. Chairman Gryder asked for a voice vote on the motion. All members present voting aye. Motion carried.

A complete copy of IGAM 19-41 is available in the Office of the County Clerk.

Coroner Facilities Use Agreements

Member Hendrix moved to approve a resolution granting the Kendall County Coroner authority to enter into facilities use agreement on behalf of Kendall County, Illinois. Member Flowers seconded the motion. Chairman Gryder asked for a voice vote on the motion. All members present voting aye. **Motion carried.**

A complete copy of Resolution 19-27 is available in the Office of the County Clerk.

ELECTED OFFICIALS REPORT AND OTHER DEPARTMENT REPORTS

Sheriff

Sheriff Baird updated the board on their partnership with the Health Department, they have been providing mental health services to inmates about 16 hours per week. The second chance graduation will be in a couple of weeks.

County Clerk

Revenue Report		8/1/19-8/31/19	8/1/18-8/31/18	8/1/17-8/31/17
Line Item	Fund	Revenue	Revenue	Revenue
	County Clerk Fees	\$920.00	\$882.50	\$971.50
	County Clerk Fees - Marriage License	\$2,250.00	\$2,730.00	\$2,040.00
	County Clerk Fees - Civil Union	\$0.00	\$0.00	\$0.00
	County Clerk Fees - Misc	\$1,960.00	\$2,530.50	\$1,999.50
	County Clerk Fees - Recording	\$31,545.00	\$29,893.00	\$33,373.00
01010061205	Total County Clerk Fees	\$36,675.00	\$36,036.00	\$38,384.00
01010001185	County Revenue	\$48,171.00	\$54,149.50	\$46,851.25
38010001320	Doc Storage	\$18,476.00	\$17,504.50	\$19,882.50
51010001320	GIS Mapping	\$31,208.00	\$29,539.00	\$33,563.00
37010001320	GIS Recording	\$3,904.00	\$3,693.00	\$4,193.00
01010001135	Interest	\$17.71	\$17.76	\$23.59
01010061210	Recorder's Misc	\$6,731.50	\$5,910.25	\$9,282.75
81010001320	RHSP/Housing Surcharge	\$16,560.00	\$15,885.00	\$17,487.00
37210001575	Tax Certificate Fee	\$960.00	\$440.00	\$560.00
37210001576	Tax Sale Fees	\$0.00	\$40.00	\$899.00
37210001577	Postage Fees	\$0.00		\$0.00
CK # 18759	To KC Treasurer	\$162,703.21	\$163,215.01	\$171,126.09

Treasurer

Office of Jill Ferko
Kendall County Treasurer & Collector
111 W. Fox Street Yorkville, IL 60560

Kendall County General Fund

QUICK ANALYSIS OF MAJOR REVENUES AND TOTAL EXPENDITURES
FOR NINE MONTHS ENDED 08/31/2019

REVENUES*	Annual Budget	2019 YTD Actual	2019 YTD %	2018 YTD Actual	2018 YTD %
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Personal Property Repl. Tax	\$370,000	\$324,701	87.76%	\$296,689	74.17%
State Income Tax	\$2,221,490	\$2,058,603	92.67%	\$1,824,110	73.85%
Local Use Tax	\$685,000	\$609,898	89.04%	\$518,066	82.23%
State Sales Tax	\$550,000	\$386,575	70.29%	\$399,467	72.63%
County Clerk Fees	\$325,000	\$244,335	75.18%	\$258,281	64.57%
Circuit Clerk Fees	\$800,000	\$550,920	68.86%	\$546,676	64.31%
Fines & Foreits/St Atty.	\$325,000	\$173,011	53.23%	\$222,386	58.52%
Building and Zoning	\$68,000	\$61,340	90.21%	\$57,035	87.75%
Interest Income	\$150,000	\$250,863	167.24%	\$151,385	175.01%
Health Insurance - Empl. Ded.	\$1,265,420	\$897,463	70.92%	\$867,260	66.74%
1/4 Cent Sales Tax	\$3,105,000	\$2,289,164	73.73%	\$2,273,819	77.08%
County Real Estate Transf Tax	\$425,000	\$310,957	73.17%	\$314,458	71.47%
Federal Inmate Revenue	\$1,618,750	\$1,736,455	107.27%	\$975,652	117.24%
Sheriff Fees	\$177,340	\$125,803	70.94%	\$149,461	61.00%
TOTALS	\$12,086,000	\$10,020,089	82.91%	\$8,854,745	76.35%
Public Safety Sales Tax	\$5,220,000	\$3,978,427	76.22%	\$3,904,157	77.04%
Transportation Sales Tax	\$5,000,000	\$3,978,427	79.57%	\$3,904,157	82.19%

*Includes major revenue line items excluding real estate taxes which are to be collected later.

To be on Budget after 9 months the revenue and expense should at 75.00%

State's Attorney

State's Attorney Eric Weis informed the board that they will be having an employee retire next year. Mr. Weis thanked the Health Department and Dr. Tokars for hosting an event funding Pre K and Kindergarten events and programs with United Way.

Coroner

Description	**	Month: August (FY 2019)	Fiscal Year-to-Date	August 2018
Total Deaths		22	215	24/230
Natural Deaths		19	200	23/212
Accidental Deaths		2	5	0/11
Pending		0	0	0
Suicidal Deaths		1	10	0/4
Homicidal Deaths		0	0	0/1
Undetermined		0	1	0/1
Toxicology		3	19	1/26
Autopsies		1	13	1/24
Cremation Authorizations		14	130	15/141
Scenes Responded to:		Transported by Coroner's Office:		External Examinations:
5		4		5
Accident – August 3, 2019, 54-year-old, White, Male, Bristol Twp, Blunt Force Injuries Consistent w/Auto vs. Pedestrian Suicide - August 10, 2019, 45-year-old, White, Female, Plano, Gunshot Wound to the Head Accident – August 30, 2019, 47-year-old, Hispanic, Male, Oswego Twp, Blunt Force Injuries due to Auto vs. Auto Mishap				

PERSONNEL/OFFICE ACTIVITY:

- On August 1-2, Chief Deputy Gotte attended a NEMRT Training on Evidence Processing at the Westmont Police Department.
- On August 6-8, Coroner Purcell attended annual training presented by the IL Coroners and Medical Examiner's Association.
- On August 20, Coroner Purcell attended the Illinois, Indiana, Minnesota, and Wisconsin White House Regional Conference /State Officials Day in Washington DC
- On August 19-22, Coroner's Assistant Dave Jordan attended the Medicolegal Death Investigation Basic Course in St. Louis, MO.
- On August 30, after completing training, Dave Jordan was sworn in as a Deputy Coroner.
- A total of 25.75 hours of community service were completed at the coroner's office during the month of August.

Health Department

Dr. Tokars announced violence prevention training on September 20, 2019 from 10:00-12:00am. The components will be looking at the handling of the physical environment, surveying the scene and de-escalation.

STANDING COMMITTEE REPORTS**Administration – Human Resources & Revenue/GIS****MetroNet**

Member Hendrix moved to approve a contract with MetroNet for 300 Mb Fiber Internet connection for a term of 48 months at a cost of \$860 per month. Member Gilmour seconded the motion. Chairman Gryder asked for a roll call vote on the motion. All members present voting aye. **Motion carried.**

A complete copy of IGAM 19-42 is available in the Office of the County Clerk.

Panda Consulting

Member Hendrix moved to approve a contract with Panda Consulting to update GIS parcel fabric data model in an amount not to exceed \$30,000. Member Giles seconded the motion. Chairman Gryder asked for a roll call vote on the motion. All members present voting aye. **Motion carried.**

A complete copy of IGAM 19-43 is available in the Office of the County Clerk.

Finance

Budget Transfer

Member Kellogg moved to approve a resolution authorizing a budget transfer in the Fiscal Year 2019 budget from the General Fund to the Social Services for Senior Citizens Fund, Building Fund #260, County Election Fund (new), and Treatment Alternative Court Fund (new). Member Hendrix seconded the motion. Chairman Gryder asked for a roll call vote on the motion. All members present voting aye. **Motion carried.**

A complete copy of Resolution 19-28 is available in the Office of the County Clerk.

SPECIAL COMMITTEE REPORTS

Historic Preservation

Member Flowers stated that they are currently recruiting new members, two needed: a historian and an architect.

Board of Health

Member Giles stated that they are meeting to discuss strategic plan update and a project request plan.

OTHER BUSINESS

County Administrator Scott Koeppel informed the board that they are working with the City of Yorkville regarding the solar project and getting fencing updates.

State's Attorney Weis reminded the board of the Open Meetings Act training on September 19, 2019.

Chairman Gryder stated that the Mill Road paving is underway; almost complete just needs shoulder work and stripes.

Member Giles said that today is the 232nd anniversary of the signing of the Constitution.

Chairman's Report

Chairman Gryder told the board about the employee appreciation lunches. There will be a Committee of the Whole "Down on the Farm" meeting on September 20, 2019, touring farm communities with the help of the Farm Bureau.

ADJOURNMENT

Member Hendrix moved to adjourn the County Board Meeting until the next scheduled meeting. Member Flowers seconded the motion. Chairman Gryder asked for a voice vote on the motion. All members present voting aye. **Motion carried.**

Approved and submitted this 20th day of September, 2019.

Respectfully submitted by,
Debbie Gillette
Kendall County Clerk

COUNTY OF KENDALL, ILLINOIS
ADMIN HR MEETING
County Office Building
111 W. Fox Street, Room 210; Yorkville
Thursday, October 7, 2019

CALL TO ORDER - Committee Chair Elizabeth Flowers called the meeting to order at 5:31p.m.

ROLL CALL

Attendee	Status	Arrived	Left Meeting
Elizabeth Flowers	Present		
Scott Gengler	ABSENT		
Judy Gilmour	Here		
Matthew Prochaska	Here		
Robyn Vickers	Here		

Others in Attendance: Bob Jones, Scott Koeppel

APPROVAL OF AGENDA – Motion made by Member Prochaska second by Member Vickers to approve the agenda. **With four members voting aye, the agenda was approved by a 4-0 vote.**

APPROVAL OF MINUTES – Motion made by Member Gilmour, second by Member Vickers to approve the September 18, 2019 minutes. **With four members voting aye, the minutes were approved by a 4-0 vote.**

DEPARTMENT HEAD AND ELECTED OFFICIAL REPORTS

- *Administration Department* – Mr. Koeppel indicated that he has been to several Cannabis training sessions and will be ready at the next meeting to discuss the Drug and Alcohol Policy further with the Committee. The main take away is that Cannabis is being treated like alcohol. For CDLs it's zero tolerance, Police its .02. The State statue has a 5 nano gram limit.

PUBLIC COMMENT - None

COMMITTEE BUSINESS

- *2018 MLR Premium Rebate Check* – Moved to after the Insurance presentations.
- *Presentation Horton Insurance Group Annual Health Insurance Renewal Presentation* – Beth Ishmael from the Horton Group presented Insurance renewal data. Renewal numbers came in at a -3.6% decrease with the current carrier BCBS. If voluntary life, accident and critical illness insurance is added the decrease goes to

-5.3%. There was also a \$10,000 discount for including these ancillary programs. Member Flowers asked about critical illness insurance and if the issue amount was per incident. Ms. Ishmael explained it was per incident, however there may be a time and incident limit per claim. Member Prochaska asked about raising the life insurance amount from \$10,000 to \$25,000 as \$10,000 seemed very low. Member Vickers concurred as typically in the private sector life insurance is twice someone's salary.

- *Discussion of Voluntary Employee Insurance Coverages* – Ms. Ishmael presented voluntary life, accident and critical illness insurance options but noted that the best option was to add these coverages to existing health insurance plan to receive additional discounts. Mr. Koepfel asked if there was a sign up requirement. Ms. Ismael indicated yes there was of 10 employees for the critical illness insurance, however if the County only deducted these benefits as a payroll deduction employees most likely would switch from existing programs. Ms. Ishmael also noted that switching from a 2 tier to a 4 tier system may also provide additional savings.

EXECUTIVE SESSION - Member Prochaska moved to go into executive session for the appointment, employment, compensation, discipline, performance, or dismissal of specific employees of the public body or legal counsel for the public body, including hearing testimony on a complaint lodged against an employee of the public body or against legal counsel for the public body to determine its validity. Collective negotiating matters between the public body and its employees or their representatives, or deliberations concerning salary schedules for one or more classes of employees. Member Gilmour seconded the motion. Chair Flowers asked for a roll call vote on the motion. All members present voting aye. Motion carried. 6.09pm

Reconvened – 6:20 pm

COMMITTEE BUSINESS CONTINUED –

- *Presentation Horton Insurance Group Annual Health Insurance Renewal Presentation & Discussion of Voluntary Employee Insurance Coverages* – Mr. Koepfel asked if the voluntary programs through the Insurance carrier were all the County would offer as there have been several companies before the committee. Member Flowers indicated that with the saving offered that is the direction the County should likely go in. Member Gilmour asked if the premium savings would be passed onto employees. Mr. Koppel indicated yes that is what had been done previously, a proportional split of the savings 75/20 County/ Employee shares.
Motion made by Member Prochaska second by Member Vickers to forward the renewal of BCBS 2020 Plan and approval of BCBS/Dearborn Voluntary Benefits Plan to the October 15, 2019 Board Meeting. With all members present voting yes the motion carried.
- *2018 MLR Premium Rebate Check* – Mr. Jones presented a rebate check from last year's insurance with United Healthcare in the amount of \$26,942.78. This is a mandated rebate per the Affordable Care Act if certain premium thresholds are not met. Mr. Jones explained that in the past the rebate was split 75/25 and if that was

the direction the Committee would like to go again. **Motion made by Member Vickers, second by Member Flowers to forward the rebate refund in a 75/25 County/ Employee split in December 2019 to the County Board for approval at the October 15, 2019 Board Meeting. With all members voting aye the motion carried.**

ITEMS FOR COMMITTEE OF THE WHOLE - None

ACTION ITEMS FOR COUNTY BOARD

- *Approval of Blue Cross Blue Shield 2020 Health Insurance Plan*
- *Approval of Blue Cross Blue Shield/Dearborn 2020 Basic and Voluntary Life Insurance Plan*
- *Approval of EyeMed 2020 Vision Plan*
- *Approval of MetLife 2020 Dental Insurance Plan*
- *Approval of 2018 MLR Premium Rebate Check Refund 75/25 County/Employee split*

ADJOURNMENT – Member Prochaska made a motion to adjourn the meeting, second by Member Gilmour. **With four members voting aye, the meeting adjourned at 6:31 p.m.**

Respectfully Submitted,

Mera Johnson
Risk Management and Compliance Coordinator

KENDALL COUNTY PLANNING, BUILDING & ZONING COMMITTEE

Kendall County Office Building

Rooms 209 & 210

111 W. Fox Street, Yorkville, Illinois

6:30 p.m.

Meeting Minutes of October 7, 2019 – Unofficial until approved

CALL TO ORDER

The meeting was called to order by Chairman Prochaska at 6:35 p.m.

ROLL CALL

Committee Members Present: Elizabeth Flowers (left at 7:22 p.m.), Scott Gengler (arrived at 6:45 p.m.), Judy Gilmour, Matt Kellogg (Vice-Chairman), and Matthew Prochaska (Chairman)

Committee Members Absent: None

Also Present: Matt Asselmeier (Senior Planner), Scott Koeppel (County Administrator), John Sharkey, and Andy Nicoletti

APPROVAL OF AGENDA

Member Gilmour made a motion, seconded by Member Kellogg, to approve the agenda. With a voice vote of four (4) ayes, the motion carried.

APPROVAL OF MINUTES

Member Flowers made a motion, seconded by Member Kellogg, to approve the minutes of the September 9, 2019, meeting and September 10, 2019, special meeting. With a voice vote of four (4) ayes, the motion carried.

PUBLIC COMMENT

None

EXPENDITURE REPORT

Review of Expenditures from the Prior Month

The Committee reviewed the Expenditure Report.

PETITIONS

19 – 32 – John and Erin Sharkey and Theodore Parks

Mr. Asselmeier summarized the request.

John and Erin Sharkey and Theodore Parks would like to vacate the ten foot (10') public utility and drainage easement that runs along and parallel the northern lot lines of Lots 1 and 4 in Highgrove Subdivision. The Petitioners own the property immediately north of the subdivision and would like to construct buildings inside the current easement.

After submitting the application to vacate the easement in question, the Petitioners agreed to relocate the easement to the northern boundary of PINs 09-07-200-034 and 09-07-200-033.

The property is located at 13315D and 13315A Grove Road in Seward Township.

Seward Township was emailed information on September 23, 2019, and did not submit any

comments.

The Petitioners originally wanted to vacate the ten foot (10') public utility and drainage easement that runs along and parallel the northern lot lines of Lots 1 and 4 in Highgrove Subdivision. The Petitioners own the property immediately north of the subdivision and would like to construct buildings inside the current easement.

On September 6, 2019, Fran Klaas sent an email expressing no opposition to the proposal on the condition that no public utilities were located in the easement and that the easement be relocated to the north portion of the Petitioners' respective properties (09-07-200-034 and 09-07-200-033).

Also on September 6, 2019, Greg Chismark submitted comments concurring with Fran Klaas. Mr. Chismark also requested that the easement be extended north along the eastern property line of Lot 1 to the new easement location.

The emails from Fran Klaas and Greg Chismark were provided.

The Petitioners contacted JULIE to determine no utilities would be impacted by vacating the easement. The JULIE information was provided.

ZPAC met on this proposal on October 1, 2019, and recommended approval.

Staff recommends approval.

Member Kellogg made a motion, seconded by Member Flowers, to recommend approval of the Petition.

The votes were as follows:

Yeas (4): Flowers, Gilmour, Kellogg, and Prochaska
Nays (0): None
Abstain (0): None
Absent (1): Gengler

The motion carried. The proposal will go to the County Board on October 15, 2019.

NEW BUSINESS

Approval of Fiscal Year 2019-2020 Meeting Calendar

Member Kellogg made a motion, seconded by Member Flowers, to approve the meeting calendar.

Chairman Prochaska made a motion, seconded by Member Kellogg, to move the September meeting to September 14, 2020, and move the October meeting to October 19, 2020. With a voice vote of four (4) ayes, the motion carried.

With a voice vote of four (4) ayes, the motion as amended carried.

Approval of Request from Michael Isadore to Renew a Special Use Permit for Swimming Lessons Granted by Ordinance 1982-02 at 15331 Burr Oak Road, Plano

Mr. Asselmeier summarized the request.

In 1982, the Kendall County Board granted a special use permit for swimming lessons at 15331 Burr Oak Road (Ordinance 1982-2). Restriction #1 of this special use permit required annual renewal by the County Board/Committee.

On September 10, 2019, the property owner, Michael Isadore, submitted an email requesting the special use permit be renewed.

Chairman Prochaska asked if Mr. Isadore was having swimming lessons. Mr. Asselmeier said no.

Member Kellogg made a motion, seconded by Member Flowers, to approve the request.

With a voice vote of four (4) ayes, the motion carried.

Recommendation on 2020 Comprehensive Noxious Weed Work Plan

Mr. Asselmeier summarized the issue.

Kendall County is required by Illinois law to submit an annual Noxious Weed Comprehensive Work Plan to the State by November 1st of each year. The proposed 2020 Kendall County Noxious Weed Comprehensive Work Plan was distributed. This proposal is the same as the 2019 Noxious Weed Comprehensive Work Plan.

Marijuana is still a noxious weed.

Member Flowers made a motion, seconded by Chairman Prochaska, to recommend approval of the proposed work plan.

With a voice vote of four (4) ayes, the motion carried. The proposal will go to the County Board on October 15, 2019.

Approval to Request that the State's Attorney Office Prepare an Amendment to the Kendall County Zoning Ordinance Pertaining to Citation Authority; Committee Could Initiate a Text Amendment to the Kendall County Zoning Ordinance Regarding Citation Authority

Mr. Asselmeier explained that the enforcement regulations in Zoning Ordinance are in Section 13. If the Committee would like the Department to have the ability to write citations, an amendment to this Section would be required.

Member Flowers made a motion, seconded by Member Gilmour, to request that the State's Attorney's Office prepare an amendment to the Zoning Ordinance and to initiate a text amendment to that effect. With a voice vote of four (4) ayes, the motion carried.

Approval of the Part-Time Code Enforcement Officer Job Description

The Committee reviewed the memo drafted by Mera Johnson.

Mr. Gengler arrived at this time (6:45 p.m.).

County Administrator Koeppel noted that this proposed job description is based off of the Code Official Job description.

Member Flowers favored having the candidates for the job to have code enforcement, law enforcement, or other administrative experience instead of having this experience preferred. Member Kellogg expressed concerns that requiring this experience could narrow the scope of applicants and disqualify people previously employed in the building trades that did not have this type of experience.

The anticipated salary is Eighteen Dollars (\$18) per hour with an average work load of ten (10) hours per week.

Without objection, the Committee voted to forward this proposal to the County Board for the October 15, 2019, meeting.

Approval of the Code Official Job Description

The Committee reviewed the memo drafted by Mera Johnson. The State's Attorney's Office previously supplied Ms. Johnson with comments regarding this job description.

Member Gilmour asked about certifications. County Administrator Koeppel responded that the certifications must be obtained during the probationary period which is the first six (6) months of employment.

The Code Official will not have a supervisory role. The Part-Time Code Official will report to the County Administrator.

Member Gilmour made a motion, seconded by Member Flowers, to forward this job description to the County Board. With a voice vote of five (5) ayes, the motion carried. This matter will go to the County Board on October 15, 2019.

OLD BUSINESS

Discussion and Possible Amendment to Petition 19-21 Request from the Kendall County Planning, Building and Zoning Committee for Amendments to the Kendall County Land Cash Ordinance

Mr. Asselmeier summarized the issue.

At the September 9, 2019, Planning, Building and Zoning Committee meeting, the Committee requested Andy Nicoletti to calculate fair market values by school district using the same calculation that obtained the proposed fair market value of \$47,121 for the entire County (the weighted average of all lot sales on a dollar per acre basis throughout Kendall County for a 3-year period). The school district information, for sales both inside and outside municipalities, are as follows:

Newark-\$20,752
Oswego-\$58,328
Plano-\$43,844
Sandwich-\$52,141
Yorkville-\$49,328

No sales occurred in the Kendall County portion of the Plainfield, Lisbon, or Minooka school districts during the previous 3 years.

The current fair market value contained in the Land Cash Ordinance is \$72,680.

Also, the Regional Office of Education reported that enrollment figures will not be available until October 15th.

Mr. Nicoletti reported that no sales occurred in the three (3) school districts listed previously. He noted that the cost to build a school would be about the same throughout the County.

It was noted that the County's Land Cash Ordinance only applied in the unincorporated areas of the County. Discussion occurred regarding the cost of constructing schools in the County.

Discussion occurred regarding enrollment figures. The enrollment figures were used to justify having a Land Cash Ordinance; the enrollment figures did not impact any calculations in the Land Cash Ordinance.

Member Gengler made a motion, seconded by Chairman Prochaska, to use a single fair market value, update the proposal with the current school enrollment figures, and place the item on the agenda for the first County Board meeting in November. With a voice vote of five (5) ayes, the motion carried.

Discussion of 1983 Recreational Vehicle and Campground Regulations

Chairman Prochaska noted that the State's Attorney's Office requested more specific information on the changes the Committee wants to propose to the ordinance.

Member Gengler suggested obtaining the age of applicants for campgrounds. Member Gengler also suggested limiting the number of people per lot.

Chairman Prochaska suggested limiting the time of year campers could camp, including having running water at campsites and access to electricity at all hours of the day. Permanent residency could occur if someone lists the address on a voter registration list, vehicle registration list, sex offender registration list, school enrollment list, FOID card, or court document.

Member Kellogg suggested place a time limit to supply the register of campers and picnickers contained in Section 5.03; he suggested forty-eight (48) hours.

Member Flowers expressed concerns regarding the ten (10) foot separation requirement between trailers and accessory structures.

Member Kellogg suggested an annual walk through requirement and an emergency evacuation plan, or something similar.

The Committee requested comments from the fire protection districts that have campgrounds in their districts.

Discussion occurred about having residency a certain number of days within a six (6) month period. The Committee decided against this requirement because no way existed to externally verify this type of occupancy other than the campground's records.

Staff will prepare a proposal and invite fire protection district to the next meeting.

Zoning Ordinance Project Update

The Comprehensive Land Plan and Ordinance Committee has reviewed Sections 1,2, 3, 4, 5, 6, 7, 8, 9, and 12.

REVIEW VIOLATION REPORT

Member Flowers left at this time (7:22 p.m.).

The Committee reviewed the Violation Report.

Mr. Asselmeier reported that Brian Holdiman was working with the Sheriff's Department in running vehicle identification numbers and license plate numbers. He will go over information with the State's Attorney's Office before delivering citations.

Chairman Prochaska noted that the Department received a complaint regarding the late hour of servicing a citation.

Mr. Holdiman was having difficulty serving some of the property owners.

REVIEW NON-VIOLATION COMPLAINT REPORT

The Committee reviewed the report.

UPDATE FROM HISTORIC PRESERVATION COMMISSION

Mr. Asselmeier reported that Commission is waiting on the Illinois Historic Preservation Agency's review of the Historic Preservation Ordinance.

REVIEW PERMIT REPORT

The Committee reviewed the report.

REVIEW REVENUE REPORT

The Committee reviewed the report.

CORRESPONDENCE

September 27, 2019 and September 6, 2019 Emails from Fran Klaas Regarding Highgrove Subdivision

The Committee reviewed the correspondence.

The Stormwater Management Oversight Public Hearing scheduled for October 10, 2019, has been cancelled because the Committee of the Whole was cancelled.

COMMENTS FROM THE PRESS

None

EXECUTIVE SESSION

Motion by Member Gilmour, seconded by Chairman Prochaska, to enter into executive session for the purposes of reviewing minutes of meetings lawfully closed under the Illinois Open Meetings Act (5 ILCS 120/2(c)(21)).

The votes were as follows:

Yeas (4): Gengler, Gilmour, Kellogg, and Prochaska

Nays (0): None
Abstain (0): None
Absent (1): Flowers

The motion carried. The Committee recessed at 7:28 p.m.

Chairman Prochaska called the Committee back to order at 7:30 p.m.

ROLL CALL

Committee Members Present: Scott Gengler, Judy Gilmour, Matt Kellogg (Vice-Chairman), and Matthew Prochaska (Chairman)

Committee Members Absent: Elizabeth Flowers

Also Present: Matt Asselmeier (Senior Planner)

NEW BUSINESS

Approval to Release Executive Session Minutes of October 7, 2019

Member Kellogg made a motion, seconded by Member Gilmour, to release the executive session minutes of October 7, 2019.

With a voice vote of four (4) ayes, the motion carried.

ADJOURNMENT

The next Planning, Building and Zoning Committee is on a Tuesday because of Veterans' Day.

Member Kellogg made a motion, seconded by Member Gengler, to adjourn. With a voice vote of four (4) ayes, the motion carried. Chairman Prochaska adjourned the meeting at 7:32 p.m.

Minutes prepared by Matthew H. Asselmeier, AICP, Senior Planner

COUNTY OF KENDALL, ILLINOIS
Economic Development Committee

Meeting Minutes
Friday, October 4, 2019

Call to Order

The meeting was called to order by Chair Audra Hendrix at 9:00a.m.

Roll Call

Attendee	Status	Arrived	Left Meeting
Amy Cesich	Present		
Scott Gryder		9:03 am	
Audra Hendrix	Here		
Matthew Prochaska	Here		
Robyn Vickers	Here		

Staff Present: Scott Koeppel

Approval of Agenda – Member Prochaska made a motion to approve the agenda, second by Member Cesich. **With four members voting aye, the motion was approved.**

Approval of August 30, 2019 Meeting Minutes – Member Cesich made a motion to approve the August 20, 2019 meeting minutes, second by Member Prochaska. **With four members voting aye, the motion carried by a vote of 4-0.**

Committee Business

- *Discussion of Kendall County EDO Data Center Incentive Law* – Mr. Koeppel reported that Governor Pritzker signed a data center incentive in law this summer, in hopes of bringing millions of investment dollars and hundreds of new jobs to Illinois. Mr. Koeppel stated that there will be incentives from the state, and that this has the possibility of being a huge power draw for Kendall County with the potential of high-paying jobs, and greater economic development programs, as well as increased revenue for the County.

Mr. Koeppel said that Data Centers support the functionality of all networked, computer-centric devices, such as smart phones, tablets and GPS systems, and could provide additional assistance in Kendall County by bringing greater access to digital tools, creating additional jobs and boosting incomes, and drawing larger businesses to the County.

Discussion on the need for the County to move forward with the development of laws and processes for defining the scope of these Data Centers, and a plan for encouraging investors to choose Kendall County for development opportunities.

COUNTY OF KENDALL, ILLINOIS

Economic Development Committee

- Member Hendrix reported that she and Mr. Koepfel met with the State's Attorney's Office regarding use of EDC Revolving Loan Fund monies.

Discussion on hiring a county-employed Economic Development Coordinator versus hiring a Director to develop an Economic Development Corporation; salary possibilities to retain a qualified candidate, or simply hiring an Economic Development Consultant. Discussion on the requirements of networking, by-ends from Community Partners, and County Board presence in decisions regarding Economic Development.

There was consensus of the five committee Members to begin the process of creating an RFQ for an ED Consultant. The Committee instructed Mr. Koepfel to research similar RFQ's and to bring a draft to the November meeting for discussion and review.

Chairs Report – Chair Hendrix reported

Items for the County Board - None

Items for the Committee of the Whole Meeting

- *Discussion of revised EDC Recap Strategy Ordinance*

Public Comment – None

Executive Committee – Not needed

Adjournment - Member Cesich made a motion to adjourn, second by Member Gryder. There being no objection, the Economic Development Committee meeting was adjourned at 10:02a.m.

Respectfully submitted,

Valarie McClain

Administrative Assistant and Recording Secretary



MEETING MINUTES FOR TUESDAY, SEPTEMBER 24, 2019

Call to Order – The meeting was called to order by Committee Chair Amy Cesich at 8:30a.m.

Roll Call

Attendee	Status	Arrived	Left Meeting
Amy Cesich	Present		
Elizabeth Flowers	ABSENT		
Scott Gengler	Present		
Matthew Prochaska	Here		
Robyn Vickers	Present		

With four members present, a quorum was established to conduct committee business.

Others present: Dr. Gary Schlapp, Scott Koeppel, Laura Pawson

Approval of Agenda – Motion made by Member Prochaska second by Member Gengler to approve the agenda. **With four members in agreement, the motion carried by a vote of 4-0.**

Approval of Minutes – Motion made by Member Prochaska to approve the minutes from August 28, 2019, second by Member Vickers. **With four members in agreement, the minutes were approved by a 4-0 vote.**

Monthly Reports

- **Census Log** – Laura Pawson reviewed the census log with the committee.
Dogs Available for Adoption: 3
Cats Available for Adoption: 5 (4 cats, 1 kitten)
- **Bite Report** – Laura Pawson reviewed the Bite Report with the committee, stating there were 24 (22 dog bites, and 2 cat bites) for the month of August. Written report provided.
- **Operations Report** – Ms. Pawson reported the addition of the Inmates Work Detail on Wednesday mornings assisting with cleaning and upkeep is going well. They continue to produce marketing/adoption videos of Animal Control animals with Oswego and Yorkville Law Enforcement personnel, posted on social media. They are working with a full staff and getting use to the new software program.
- **Accounting Report** – Written report provided. Mr. Koeppel reviewed the fund balance and the capital budget with the committee.

Old Business – Jim Smiley provided an update on the bids for the facility improvements, which were much higher than expected. Discussion on going out for new bids, what work could be done by Facilities personnel, the cost of improvements, and the top facility projects they would like to have done, with additional windows, new HVAC system, new doors, removal of ceiling tiles in the kennel area, painting, and a private Director's Office topped the list of priorities.

New Business

- *Discussion of Public Act 101-0299 Rabies Inoculation of Cats [LINK](#)* – Ms. Pawson stated that the act will now require inoculation of cats four months and older, and possible microchipping, and registering beginning in January 2020. Discussion on personnel needed for the additional work, and the current County Ordinances. **There was consensus by the Committee to have County Administrator Koeppel work with Ms. Pawson on drafting an ordinance that includes cats, for review at the October meeting, and then if approved by Committee to go to the County Board for final approval in November.**
- *Discussion of Low Cost Rabies Vaccine and Microchip Events* – **Item tabled to the October meeting**
- *Approval to attach the Animal Control Incident Checklist to the Standard Operating Procedure (S.O.P.) under section XV* – Ms. Pawson explained her reasoning for the addition of the checklist to the SOP. Motion made by Member Vickers, second by Member Prochaska to approve the addition of the checklist. **With four members present voting aye, the motion carried.**
- *Approval to add Voluntary Witness Statement to forms Checklist to the Standard Operating Procedure under section XV* – Ms. Pawson presented the witness statement to the committee for review. Member Gengler made a motion to approve the addition of the Witness Statement to the S.O.P., second by Member Vickers. **With four members present voting yes, the motion carried.**

Executive Session – Not needed

Action Items for the County Board – None

Action Items for the Committee of the Whole – None

Questions from the Media – None

Public Comment – None

Adjournment – Member Vickers made a motion to adjourn the meeting, second by Member Prochaska. **With four members present in agreement, the meeting was adjourned at 9:34a.m.**

Respectfully Submitted,
Valarie McClain
Administrative Assistant & Recording Clerk

HIGHWAY COMMITTEE MINUTES

DATE: October 8, 2019
LOCATION: Kendall County Highway Department
MEMBERS PRESENT: Scott Gryder, Amy Cesich, Matt Kellogg, Judy Gilmour, and Matt Prochaska
STAFF PRESENT: Ginger Gates and Fran Klaas
ALSO PRESENT: Kelly Farley, Ryan Sikes, PJ Fitzpatrick, Greg Chismark, and Jarrod Cebulski

The committee meeting convened at 3:30 P.M. with roll call of committee members. All present. Quorum established.

Motion Prochaska; second Kellogg, to approve the agenda as presented. Motion approved unanimously.

Motion Cesich; second Gilmour, to approve the Highway Committee meeting minutes from September 10, 2019. Motion approved unanimously.

Klaas provided an update of highway and bridge projects that were completed in 2019, as well as those that were not completed in 2019. Gryder inquired about the hold up on the Grove Road bridge improvement near Van Dyke Road. Klaas stated that National Park Service continued to delay this project, which should have gone to bid 2 years ago. An inquiry had been filed with Lauren Underwood's office over 6 months ago. Prochaska suggested a county board resolution might help. Cesich asked about Mill Road, and Klaas reported that project was completed and in good shape. Committee discussed high water in the Fox River and the difficulty it continues to present in getting the Millington Bridge fixed.

Gryder asked about the new app available for traffic signals on Orchard Road. That information is now available to the consumer to give them information about signal timing as they approach traffic signals. Klaas discussed some of the current and future uses of this technology, including the plan to incorporate the technology into new vehicles in the near future.

Gryder reported that Kane County is placing fiber optic facilities along certain rights-of-way on some new projects. Kelly Farley confirmed this and provided some additional information on Kane's efforts. Cesich discussed the need for data centers as technology advanced in urban areas and the fact that these centers are getting assistance at the federal level. Klaas thought that this might be feasible on new corridors where fiber could be installed as part of the overall project; but didn't think it would make sense on maintenance-type projects. He also had concerns about whether fiber installation would be MFT eligible. Committee suggested getting more information from Kane County on their ongoing efforts.

Under Other Business, Gryder discussed the realignment of Ashley Road and Minkler Road in the vicinity of Illinois Route 126. Route 126 is a State Highway, Minkler Road is a Kendall Township Highway, and Ashley Road is a City of Yorkville Street. Kendall County has no jurisdiction of any of the roadways in this area. Realigning the roads would be very expensive, and Kendall Road District was not interested in participating in the expense. Klaas reported that

he thought the idea of consolidating these roadways was not a new concept, and may have been part of the County's Comprehensive Transportation Plan years ago. But without funding, the connection of these two roadways would likely not occur until development from Yorkville extended out to this location, and development helped pay for it. Additionally, Minkler Road and Ashley Road, with their close proximity to Route 47 and Route 71, are not intended to be a major arterial, but rather just a local collector. Prochaska pointed out that connecting the roads could lead to a significant increase in thru-traffic, and committee agreed that the County would probably not want to sponsor that, or look into it further.

Motion Gilmour; second Kellogg to forward Highway Department bills for the month of October in the amount of \$1,287,846.16 to the Finance Committee for approval. By roll call vote, motion approved unanimously.

Motion Prochaska; second Gilmour to adjourn the meeting at 4:06 P.M. Motion carried unanimously.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Francis C. Klaas", with a stylized flourish at the end.

Francis C. Klaas, P.E.
Kendall County Engineer

COUNTY OF KENDALL, ILLINOIS
SPECIAL Committee of the Whole
BUDGET PRESENTATIONS
Wednesday, September 25, 2019

MEETING MINUTES

1. **Call to Order:** Chairman Gryder called the meeting to order at 9:00a.m.
2. **Board Members Present:** Scott Gryder - Here, Audra Hendrix - Here, Matt Kellogg - Yes, Matthew Prochaska - Here, Amy Cesich - Present, Robyn Vickers - Here, Scott Gengler - Here

Board Members Absent: Elizabeth Flowers, Tony Giles, Judy Gilmour

Others Present: Latreese Caldwell, Scott Koeppel

3. **Items of Business**
 - *Discussion and Approval of an Ordinance Setting the Cannabis Retailer Occupation Tax* – Mr. Koeppel stated that the ordinance was set at the maximum amount of 3.75 percent. Motion made by Member Prochaska, second by Member Hendrix to forward the item to the County Board for approval. **With seven members present voting aye, the motion carried by a vote of 7-0.**

Chairman Gryder turned the meeting over to Finance Chair Matt Kellogg for the Budget Presentation portion.

Ms. Caldwell provided a quick overview of the current levy and general fund deficits, the PTELL Calculations, the General Fund Revenue Summary, and the General Fund Expenditure Summary. Ms. Caldwell reminded the committee that the budget parameters set were a two percent increase for all departments/offices, and a two percent increase for personnel.

Member Kellogg stated that the group will focus on the budgets today, and the capital requests at a future meeting.

4. **Budget Presentations**

Dwight Baird, Sheriff's Office – Sheriff Baird focused on the Sheriff's Operations, Corrections, and the Merit Commission revenue estimates, budgets and estimated expenditures. Sheriff Baird stated that he estimates revenue of \$2,153,000 from Inmate Housing, \$126,000 from Inmate Transportation, and \$13,000 for Mileage Reimbursement or an overall estimate of approximately \$2.5 million, approximately 15% over what they estimated in FY2019.

Sheriff Baird anticipates an increase of two percent in expenditures for the year, or \$6, 163, 317, which includes the promotion of a records clerk to an administrative assistant, the creation of a civilian training coordinator position versus the current deputy in that position, cell phone costs, non-sworn salary increases, sworn salary and step increases, and the elimination of one patrol sergeant position.

For Corrections, Sheriff Baird reported an increase of approximately 5.2 percent, or \$247,000. The increase includes increasing medical staff personnel hours in the jail, a 4 percent increase in meals based on the contract with the food service provider, the cost of two compliance audits (PREA and American Correctional Association) at \$14,000 this year, non-sworn salary increases, and sworn salary and step increases, the contractual service agreement for the new security system, and the Tyler Booking Expert system fee, and the Tyler Inmate Web Software Service Agreement.

Sheriff Baird also reviewed the Merit Commission fund, which is decreased from FY2019 due to no promotional testing in this fiscal year.

Sheriff Baird also reviewed their estimated FY2019 revenues for Housing, Federal Transport Mileage Reimbursement, Fines, Fees & Miscellaneous, and HIDTA Revenue, for an overall total of \$763, 000 or 35 percent more than estimated for FY2019.

Andy Nicoletti, Assessment – Mr. Nicoletti reported that his budget increases included office supplies, mileage for training postage, dues, and training due to the quad-year publication requirement to publish every parcel whether it's been changed by the assessors or not. Mr. Nicoletti stated that he was decreasing the publication line item for this fiscal year. Mr. Nicoletti did increase his salary by 2.72 percent, and that he did not increase the unionized clerk salaries for this fiscal year.

Jennifer Gilbert, CASA – Ms. Gilbert updated the committee on changes in the judicial system due to an increase in tragedies involving children and the needs for advocates. Their program has seen a dramatic increase in the number of children participating in the program, and the need for additional volunteers and training.

Ms. Gilbert reported the program would greatly benefit with the current part-time volunteer coordinator moving into that role in a full-time capacity, and the need to increase the other staff salaries which haven't been increased in several years.

Ms. Gilbert stated that eighty percent of their budget is only possible through fundraising efforts and generous donations. Ms. Gilbert also stated that Kendall County Board funding is also critical to CASA Kendall County's ability to hold volunteer training, carry-out recruiting efforts, and advocate at the highest possible level for Kendall County children.

Matt Kinsey, Technology & GIS – Director Kinsey reported he increased his salary by two percent, and the other Technology Services salaries were increased an

average of three percent. Mr. Kinsey reported decreases in the Dues/Memberships line, the training line, the Consultant and Contractual Services line, and Copier Expense line, but stated increases were needed in the Conferences, Mileage, Cellular Phone, Computer Maintenance/Software and Computer Maintenance/Hardware lines.

Mr. Kinsey reviewed the GIS Revenues and Budget with the committee, and reported a decrease in the salary line due to the retirement of one long-standing employee, and the resignation of another one, and their replacements hired at lower salaries. Mr. Kinsey stated there will also be decreases in the office supply, postage, dues/memberships, training, Transfer to SS fund, and Hardware expense lines. New to the budget this year are the Aerial Reflight at an estimated cost of \$36,000, the GIS System - Mapping Rectification at an estimated cost of \$16,000, and an intern at an estimated cost of \$7,200 for this year.

Dr. Amaal Tokars, *Health Department* – Dr. Tokars led with remarks about the use of their budgeted resources, and explained that not all personnel will receive an increase this year, particularly those hired within the last year. Personnel currently receiving a salary of less than \$50,000 will receive a four-percent increase, and personnel receiving a salary over \$50,000 will receive a three-percent increase.

Dr. Tokars reported that the Health Insurance reimbursement in their budget was based on the numbers that were discussed earlier in the year with Member Cesich and former Member Purcell. Member Kellogg asked if that Health Insurance reimbursement was reflective of the fifteen percent increase, and if they had contacted Treasurer Ferko about the IMRF increase and impact as well.

Rae Ann VanGundy reported on the increase in the Public Health Levy, and an increase in the Homeless Prevention Grant, in which the Health Department only retains ten percent for administrative costs.

Ms. Van Gundy reviewed the line for the Community Health Assessment Plan, and said they would be moving forward with four assessments for the year, which happens about every two years in the Health Department.

Chris Mehochko, *Regional Office of Education* – Mr. Mehochko reviewed his proposed budget with the committee and stated that the majority of his budget is salary and benefits. Mr. Mehochko stated that Grundy County pays all non-personnel expenses, and Kendall reimburses their percentage, and Grundy pays forty-percent of salary, IMRF and SS expenses. Kendall County pays all medical and dental benefits, and Grundy reimburses their percentage. Kendall pays sixty-percent of salary, IMRF and SS expenses.

Jim Smiley, *Facilities Management* – Mr. Smiley review the budget from last year and the proposed budget for this year, stating there an 1.8 percent increase from last year primarily due to employee raises that were figured into the budget, as well as

additional overtime to prepare for the winter months, as well as equipment maintenance costs.

Mr. Smiley reported that most of the utilities are projected to decrease with the exception of phones. Mr. Smiley updated the committee on the projected funding for the Solar Project, and where they found funding for that project, and stated that there was an increase in natural gas usage due to a change in the County Office Building from electric to natural gas in the boiler system on the rooftop.

Mr. Smiley briefed the committee on the County's participation in the Demand Response program where the County will turn the generators on, and turn off a percentage of the usage in buildings. The County saved approximately \$32,000 in 2019, and anticipates savings up to \$44,000 in 2020. Mr. Smiley stated this is a 5-year program that included a \$50,000 upgrade to the Public Safety Center generator to meet emissions. That upgrade was at no cost to the County as long as we remain in the program the required 5-years. Ms. Caldwell said that the funds saved from participation in this program are deposited into the Public Safety Capital Improvement fund.

Laura Pawson, *Animal Control* – Director Pawson stated they would be increasing the rabies tag budget line, and Mr. Koeppel said they would be increasing it an additional twenty-five percent due to the mandated cat inoculations and registration.

Ms. Pawson stated that Fines and Fees were decreased, which means they have fewer incoming strays, and increased her salary and the Kennel Manager/Animal Control Officer by two percent. Part-time Kennel Technician salary was also increased in preparation for the mandatory \$15 per hour rate by 2025. Ms. Pawson stated that Microchips decreased this year due to the new software program, and their ability to shop around for microchips, and that they increased the Transportation Board & Care slightly.

Mr. Koeppel stated that the Health Care, IMRF and Social Security transfers were to the General Fund were omitted but would be updated and included in the budget for this year and future budget discussions.

Fran Klaas, *Highway* – Mr. Klaas summarized the three funds that receive revenue from property taxes: County highway, County Bridge and Federal-Aid Matching, and stated that for the twelfth year in a row, they plan to keep that combined levy at two million. Mr. Klaas said that nine to ten million goes back into projects. Mr. Klaas said that their salaries only represent about seven percent of what they take in as revenue.

Discussion on Mr. Klaas' zero percent salary increase, and the fact that he hasn't given himself an increase for several years. Mr. Klaas reminded the committee his salary is different, and requires the passing of a separate resolution to appropriate his salary later this year. Highway Chair Gryder proposed a three percent increase to be

added to the budget, and then when necessary later in the fiscal year, the resolution will be completed and forwarded to the state.

Judge Robert Pilmer, *Judicial Office/Law Library/Drug Court* – Judge Pilmer reviewed the Judicial, Law Library, and Drug Court budgets with the committee, and said they attempted to adhere to the guidelines provided from the County Board.

Judge Pilmer reported that Kendall County will be hosting the 2nd Appellate Conference semi-annual conference in 2020, and is the reason for the increase in the Conference Budget line to accommodate for speakers fees, travel to the program, etc.

Judge Pilmer stated that he increased the budget to replace older courtroom furniture. There is an increase in the Chief Bailiff salary and the hourly Bailiff salary pool, reflecting an increase from \$13.50 to \$14.50 per hour rate, and Judge Pilmer stated that he anticipates a two percent increase for the Court Administrator position that is currently vacant.

Judge Pilmer briefed the committee on the Victim Impact Program which is geared toward helping offenders to become more aware of the impact that crime has on victims and to take responsibility for their actions and begin to make amends.

Vicki Chuffo, *Public Defender* – Ms. Chuffo reported a proposed three percent increase in salaries based on what unions are requesting, an increase in Books/Subscriptions based on the increased fees for Criminal and Traffic Statute books, and in Dues/Memberships for ARC Licensing dues based on the number of years in practice. Ms. Chuffo increased the contractual line in anticipation of an insanity defense trial next year and the need for a Psychiatrist evaluation for the upcoming trial, and two Sexually Violent Person Commitment cases where experts are used for expert testimony. Ms. Chuffo also anticipates an increase in the number of Misdemeanor Trials going to either bench or jury trial, and the need to use an investigator for those trials. Ms. Chuffo uses the DuPage County investigator when needed.

Alice Elliott, *Court Services/Probation* – Ms. Elliott introduced herself and reminded the committee that she assumed the role as the new director on August 6, 2018. Ms. Elliott reported that Probation/Court Services declined the 708 Mental Health Board funding of \$500 for this year, and needs to adjust the Probation Fee fund revenue line item to reflect the lack of funding.

Ms. Elliott also said that Probation is run through general fund money as well as Probation Service fee funds (users of probation services pay into the fund through monthly probation fees, and also reimbursement for direct services), and is specifically used to enhance service delivery for the probation population that they service through programs, some capital expenses such as vehicles that officers use for servicing the population in the field. Ms. Elliott stated that she is holding off on using these funds for vehicles for at least one-year.

Ms. Elliott explained that General Fund money is used for salaries, and they do receive state reimbursement and municipality reimbursements from the police departments that help off-set the cost of the diversion officer.

Ms. Elliott said the budget will basically remain the same as last year, as she analyses the needs, the population served, and the current programs and services provided before making any changes.

Ms. Elliott stated that IOAC is funding a Special Program Supervisor at one-hundred percent salary up to \$66,000. The benefits will be covered by the increase of \$98,000 from the state. Ms. Elliott also received a notice from IOAC stating that she could send County-funded positions that need to be funded or subsidized, that she could submit them for funding consideration as well. She will receive notice of any funding in late October or early November.

Robyn Ingemunson, Circuit Clerk – Robyn Ingemunson reported that with the overhaul in the fines and fees, and other changes, she calculated her budget this year based on last year's statistics, calculated what would be brought in under the new way, and subtracted all of the waivers and appearances.

Ms. Ingemunson reported that they are going into mediation with the union because they can't come to an agreement. She estimates backpay for 2019 as approximately \$46,000, and estimated wages for 2020 as \$947,500 total.

Ingemunson said that the Court Automation agreement with Technology Services will not be renewed in 2020. Ms. Ingemunson stated that she thought Gina Hauge would spend more time in the Circuit Clerk's Office than she was able to provide.

Discussion on the CMS Technology update project, the need to begin putting funds aside for e-citation and other changes that will be required, and the possibility of switching from the JANO system if it is unable to keep up with all of the additional changes. Ms. Ingemunson stated that all changes or enhancements are always funded through the Court Automation fund.

Ms. Ingemunson said that one large change that might have an impact this year will be the mandated requirement to post signs notifying citizens of the possibility of certain court fine waivers.

5. Public Comment - None

6. Questions from the Media – None Present

7. Action Items for the County Board - *Approval of an Ordinance Setting the Cannabis Retailer Occupation Tax*

8. Items for the Committee of the Whole - None

9. **Executive Session** – Not needed
10. **Adjournment** – Member Hendrix made a motion to adjourn the Budget Presentation meeting, second by Member Gengler. **With all in agreement, the meeting adjourned at 12:25p.m.**

Respectfully submitted,

Valarie A. McClain
Administrative Assistant & Recording Clerk

COUNTY OF KENDALL, ILLINOIS
SPECIAL Committee of the Whole/Budget & Finance Committee
BUDGET PRESENTATIONS
Thursday, September 26, 2019
MEETING MINUTES

Call to Order: Finance Chair Matt Kellogg called the meeting to order at 9:00a.m.

Attendee	Status	Arrived	Left Meeting
Scott Gryder		9:23am	
Amy Cesich	Present		
Scott Gengler	Here		
Elizabeth Flowers	ABSENT		
Tony Giles	ABSENT		
Judy Gilmour	Here		
Audra Hendrix	Here		
Matt Kellogg	Yes		
Matthew Prochaska	Here		
Robyn Vickers	Here		

Others Present: Latreese Caldwell, Scott Koeppel

Approval of Claims – Chair Kellogg asked for a motion to move the approval of claims to after Mr. Gillespie’s presentation. Member Hendrix made a motion, second by Member Prochaska to move claims to after the EMA presentation. **With seven members present voting aye, the motion carried by a vote of 7-0.**

Budget Presentations

EMA – Joe Gillespie indicated that his budget included a 2% increase to his stipend as EMA Director and Tracy Page’s stipend. His revenue is all grants, there is additional revenue anticipated. His total budget increased by .7%.

Approval of Claims - Member Hendrix made a motion to approve Supplemental Claims in an amount not to exceed \$1,516,623.41, second by Member Cesich. **With seven members present voting aye, the motion carried by a vote of 7-0.**

Treasurer’s Office – Ms. Ferko reported that most accounts remain the same. Salary increases are just under 2%. Postage increased as a postcard was sent this year to remind people of tax payments. Delinquent payments are down. Conferences were increased, to attend the Tyler Conference next year. Legal publications have increased. Everything else remains the same. Funds like Unemployment, Property Tax Services, Audit are staying the same. The goal to eventually combine these with a title of County Contractual Services with separate line item numbers.

Ms. Ferko indicated she would like to be present for the Capital discussions. She’s reported she has been having issues with Dev Net and has been talking to Mr. Kinsey about software

needs. Mr. Kellogg indicated that we would have those discussions separately and she would be included.

Chairman Scott Gryder arrived 9:23am

Admin Services, EDC, County Board - Mr. Koeppel stated that his raise is contractual at 2.5% and the other positions in the office received 2% percent.

Cell phones and conferences were increased. Supplies has increased and Mayor's and Managers has increased. Mr. Koeppel said that postage increased, the entire building is in this budget. There are reimbursements from various Departments. The Clerk may have pre mailed items for the 2020 Elections. Mostly everything else remained flat. Mr. Koeppel noted that with EDC things remain on hold as we are currently discussing other alternatives.

For the County Board budget, conference was increased as it will likely go over this fiscal year. Member Prochaska indicated that with UCCI the County gets reimbursed. Reimbursements will be increasing next year and they will be including mileage next year as well. Member Kellogg asked about per diems. Mr. Koeppel indicated that the actuals are tracking to be about \$15,000 less. Member Prochaska wanted to revisit conferences and sending people to NACO once the budget process is complete if there is excess revenue. Mr. Koeppel asked about a discussion of dues and memberships. Member Gryder asked that Dues and Memberships be discussed at LJJ. Member Hendrix asked about the lobbyist. The lobbyist is listed in Highway as the lobbyist has helped with large capital projects.

Mr. Koeppel indicated that Health Insurance renewal rates will be presented on October 7th. Member Prochaska asked about broker fees. Mr. Koeppel explained that from the money saved from previous the broker we have been able to pay the broker fees for 2018 up until June of this year. We do owe them a \$5000 true up and from here on out the fee will be \$3200 a month. Member Gryder indicated that this includes the Dental Insurance commission savings which was 10%.

Ken Com Intergovernmental Agreement remains the same, currently wrapping up the new agreement. Contingency amount is large because of 8 contracts we are currently negotiating.

General Fund transfers out to debt service we refinanced. KAT money is the same. Economic Development is up a bit because it pays for salaries.

Social services for Senior Citizen fund was increased. Liability insurance we are getting that number in early November. The Forest Preserve is looking to separate with liability and workers comp so that may change our numbers.

Univ. of Illinois Extension Ofc – Ms. Roby Vorgias indicated that they had some mandated salary increases, however they were able to cut back in a few other areas. The County's contribution remained at the mandated 2% increase.

PBZ – Mr. Koeppel stated there's a 2% raise to salaries. He also noted that a new part time Code Enforcement Officer position was added due to an increase in complaints. The part time Office Assistant afternoon position has been difficult to fill so some of that salary will go to

the Code Enforcement Officer and we have an Intern included as we have in the past. Ms. Johnson will also cover some PBZ Meetings as her time allows. The minutes seem to require a certain level of expertise. Per diems, training and mailings have increased slightly. The entire budget is up 2.7%. Member Gryder commented that the PBZ budget has decreased significantly since the economic downturn so adding these part time positions is a way to grow without breaking the bank.

Coroner's Office – Coroner Purcell noted some increases in salaries and membership and dues, because of a promotion and additional staff. She noted that she has a Capital item new radios are needed as Ken Com is changing systems that amount is about \$10,000.

Member Prochaska moved to recess at 10:10am, member Hendrix second. Meeting resumed at 10:40am.

County Clerk, Recorder, and Voter Registration – Ms. Gillette noted that with the Clerk and Recorder Budget temporary salaries increased because of an employee going on maternity leave. Also dues are doubling. That is what accounts for the 6.6% increase.

With the election fund, Ms. Gillette stated that she understood that all the election costs would go into a new fund. Member Kellogg apologized and indicated that instead of having inconsistent increases the idea would be to better budget and contribute the same amount each year. Ms. Gillette agreed this would work. There are some technology changes coming, so they are looking at potentially purchasing new laptops. Ms. Vickers asked if there were grants available. Ms. Gillette indicated that yes they are working on grants for technology and cyber security. Member Hendrix asked more about cyber security. Ms. Gillette indicated they are working on it. So far \$30,000 in grants for cyber security. Member Prochaska asked about an Albert System. Ms. Gillette indicated that she is working on this with IT.

With GIS budget that is mainly salaries. Hoping to start using My Deck.

Member Hendrix asked about postage and prepaying in terms of Elections. Ms. Gillette indicated that she did her voter registration purge, there was no prepayment. However, 2020 will be expensive because of the Election, there will be many vote by mail ballots at a cost of just over \$5.00 each. Ms. Gillette indicated that she has anticipated the additional costs. In 2016 \$8000 was spent for 2020 \$25,000 is budgeted. Member Kellogg asked about spending any monies left for this fiscal year in anticipation of next year and the large Election. Ms. Gillette indicated she could use funds on equipment.

HAVA is Help America Vote is a grant the County has gotten previously. Other funds are mostly pass through grants and fees that are used for salaries.

KC Soil & Water District – Butch Konicek the Chairman of the District introduced his staff. The funding for the District comes from the State and the County. The Fiscal Year 2020 budget is currently showing a \$8000 deficit even with the District asking for a 27% increase of the County's contribution. Fiscal Year 2018 surplus was a one-time infusion from the state. Member Vickers indicated that the Education Programs are phenomenal, they see kids across the County, so she would like to see more funding. Member Gengler agreed he would like to see their deficit funded.

Overall Discussion - Member Gilmour asked about salary increases and mandates set by Finance. Member Kellogg said it was 2% but most people came with 3%-3.5%. He indicated the entire group would have to discuss this and what cuts needed to be made and where. Member Gengler asked about CASA funding. Member Prochaska said with CASA perhaps asking for a seat on their Board. Member Kellogg asked that if Members are passionate about specific budget items they should speak up. Member Cesich indicated she would like to fund Soil and Water. Member Kellogg indicated increases should be penciled in for Soil and Water. He also indicated that when finished with these presentations and Capital the Finance Committee can review and bring changes cuts and funding back to a COW to wrap the process up. Member Hendrix spoke about CASA and didn't want them to be forgotten. Member Cesich indicated that there was previous talk of a fine to fund CASA.

Eric Weis/State's Attorney – Mr. Weis reviewed his budget, there are 7 funds that are not part of the General Fund. These funds are used for specific items, like equipment, not big numbers, however are important to the running of the Office. A Special Litigation fund of \$50,000 for arbitration on the County's behalf was included in the General Fund budget. It may be budgeted in another budget. Conferences went up 25%. Postage has gone down. Salaries are up about 3%. Member Kellogg noted that if special litigation is removed the SAO is up 2.5%. Ms. Cesich asked where the special litigation came from before? Mr. Koeppel indicated the last interest arbitration costs came from Admin or Contingency.

Board of Review - Pam Geigenheimer explained that her budget went up 2%. Salaries went up about 2%. Postage went up as this is the quadrennial year for assessments more changes are anticipated. Legal publications were eliminated as the Assessment office does that. Everything else remains the same.

Veteran's Administration – Chad Lockman explained that there was a mistake with his levy it's actually a 3.6% decrease. The budget has been cut resulting in a .1% increase. The main focus of the office is to help Veterans find jobs. The Office also help with stabilizing Veterans and helping them get funds from the VA and other Programs. For every \$1 levied \$41 was returned to the County through services to Veterans. Mr. Lockman explained that there was concern that the levy is being reduced, however he is working to be more efficient. Member Kellogg noted also that there is a healthy fund balance which is a factor in reducing the levy. Member Hendrix noted her concern about stricter requirements and making sure services are being received by everyone that needs it. Ms. Clevenger, Outreach Coordinator noted that other opportunities have opened up for Veterans through employment and LIHEAP and various others positive ways to make sure Veterans are successful.

708 MH – Member Kellogg indicated there is a request to increase to their Levy. Member Vickers indicated that the rationale for increasing the Levy is they have not had an increase in many years and needs have increased. Member Kellogg asked about Family Services Associates. Member Vickers indicated that there is a time limit option on responding to crisis that would be met with this increase through Family Services Associates. Mr. Koeppel asked about the Drug Court. Member Vickers indicated that they did not ask for approved items and they were working with an unaccredited Agency. They plan to ask again next year.

Public Comment – None

Questions from the Media – None

Actions Items for County Board –

- Supplemental Claims in an amount not to exceed \$1,516,623.41

Items for Committee of the Whole

Executive Session – Not needed

Adjournment – Member Prochaska called for the meeting to adjourn, Member Gryder seconded the motion. **With all in agreement, the meeting adjourned at 12:18 p.m.**

Respectfully submitted,

Mera Johnson
Risk Management and Compliance Coordinator

COUNTY OF KENDALL, ILLINOIS
BUDGET & FINANCE COMMITTEE
Meeting Minutes for Thursday, October 10, 2019

Call to Order

Committee Chair Matt Kellogg called the Budget and Finance Committee to order at 5:02p.m.

Roll Call

Attendee	Status	Arrived	Left Meeting
Amy Cesich	Present		
Scott Gryder	ABSENT		
Audra Hendrix	ABSENT		
Matt Kellogg	Here		
Matthew Prochaska	Here		

Staff Members Present: Sheriff Dwight Baird, Meagan Briganti, Latreese Caldwell

Approval of Agenda – Member Prochaska made a motion to approve the agenda, Member Cesich seconded the motion. **With three members present voting aye, motion passed by a vote of 3-0.**

Approval of Claims – Member Cesich made a motion and Member Prochaska seconded the motion to forward for Approval, Claims in an amount not to exceed \$1,618,242.03 to the County Board. **With three members voting aye, the claims were approved to forward to the County Board for final approval by a vote of 3-0.**

Department Head and Elected Official Reports - None

Items from Other Committees – None

Items of Business

- *Discussion 2020 GIS Fee Increase and Ordinance* – Meagan Briganti explained that this item has been through the Admin HR Committee, who recommended the item coming to the Finance Committee. Ms. Briganti said that the proposal is to \$32, with \$2 to the Recorder's Office, and \$30 to GIS.

Motion made by Member Cesich, second by Member Prochaska to forward the item to the County Board for final approval. **With three members present voting aye, the motion carried.**

- *Discussion of FY20 Budget* – Latreese Caldwell reviewed the changes that were discussed at the September 26th Budget Hearing. Member Prochaska reported that the Admin HR Committee discussion regarding Health Insurance voluntary life, accident and critical illness insurance options and that the best option was to add these coverages to existing health insurance plan to receive additional discounts. Ms. Caldwell informed the

committee of the proposed changes presented to the Admin HR Committee by The Horton Group earlier this week. Discussion on the 2020 Health Insurance Plan will continue at the County Board meeting.

Discussion on the 2020 Capital Requests for the Sheriff's Office including funding of a Gun/rifle Range in Joliet Road, and safety improvements, signage and target storage.

Sheriff Baird updated the committee on his desire to purchase Retina Scanner for the jail for identification upon booking and release that will help to ensure inmate release accuracy and increased security.

Sheriff Baird also briefed the committee on his desire to purchase portable digital radios for administration and patrol deputies this fiscal year, and said that these radios can be programmed for an encrypted frequency available only to first responders. Baird said he'd like to purchase digital radios for each squad next year.

Sheriff Baird reported that his office has applied for a grant through the Justice Assistance Grant (JAG) Program that would cover most of the radio cost, and is awaiting approval and the awarded grant amount.

The committee also discussed the Health Departments budget and proposed reimbursement to the County for their employee Health Insurance, IMRF and Social Security costs that appeared to be based on inaccurate projected totals. Mr. Kellogg asked Ms. Caldwell to email the actual health benefit, IMRF and Social Security costs to the Health Department Executive Director and Operations Director so that they can make budget adjustments based on accurate data.

Executive Session – Not needed

Questions from the Media – None

Items for the October 15, 2019 County Board

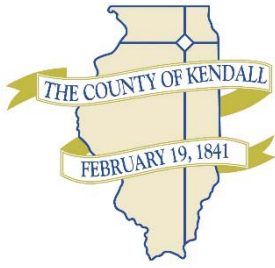
Approval of Claims in an amount not to exceed \$1,618,242.03

Approval of 2020 GIS Fee Increase Ordinance

Adjournment – Member Prochaska made a motion to adjourn the Budget and Finance Committee meeting, Member Cesich seconded the motion. **The meeting was adjourned at 6:32p.m. by a 3-0 vote.**

Respectfully submitted,

Valarie McClain
Administrative Assistant and Recording Secretary



Kendall County Agenda Briefing

Committee: Planning, Building and Zoning

Meeting Date: September 9, 2019

Amount: N/A

Budget: N/A

Issue: Petition 19-33-Request from the Kendall County Planning, Building and Zoning Committee for an Amendment to Section 104 of the Kendall County Stormwater Management Ordinance by Changing the Definition of Bulletin 70 from the 1989 Version of Bulletin 70 to the 2019 Version of Bulletin 70.

Background and Discussion:

Bulletin 70 is a document used by the Illinois State Water Survey (ISWS) to evaluate rainfall frequency in Illinois.

The 1989 version of Bulletin 70 is referenced in the Kendall County Stormwater Management Ordinance. In March 2019, Bulletin 70 was updated. Accordingly, Staff requested that the definition of Bulletin 70 contained in Section 104 of the Kendall County Stormwater Management Ordinance be updated to the 2019 version. If the County does not update to the most current version of Bulletin 70, then the County would be utilizing outdated rainfall figures when designating and evaluating stormwater infrastructure.

Pursuant to Section 808 of the Stormwater Management Ordinance, no amendment to the Stormwater Management Ordinance can occur without a public hearing before the County Board. The notice of the hearing was printed in the Record on September 19th and the notice was mailed or emailed to each Mayor/Village President, Township Supervisor, the Kendall County Regional Planning Commission, the Kendall-Grundy Farm Bureau, and WBK.

The draft ordinance and a copy of the updated version of Bulletin 70 are attached.

Committee Action:

PBZ Committee-Approval to Initiate the Amendment (5-0)

Staff Recommendation:

Approval

Prepared by: Matthew H. Asselmeier, AICP

Department: Planning, Building and Zoning Department

Date: September 18, 2019

ORDINANCE NUMBER 2019-_____

**AMENDMENT TO SECTION 104 OF THE KENDALL COUNTY STORMWATER
MANAGEMENT ORDINANCE BY DELETING THE REFERENCE FROM THE 1989
VERSION OF BULLETIN 70 AND REPLACING THE REFERENCE WITH A
REFERENCE TO THE 2019 VERSION OF BULLETIN 70**

WHEREAS, 55 ILCS 5/5-1062 allows Kendall County to adopt a Stormwater Management Ordinance; and

WHEREAS, Sections 808 and 1007 of the Kendall County Stormwater Management Ordinance permits the Kendall County Board to amend the Kendall County Stormwater Management Ordinance and provides the procedure through which amendments are granted; and

WHEREAS, Section 104 of the Kendall County Stormwater Management Ordinance defines Bulletin 70 as “Frequency Distributions and Hydroclimatic Characteristics of Heavy Rainstorms in Illinois’ by Floyd Huff and James Angel of the Illinois State Water Survey (1989)”;

WHEREAS, in March 2019, the Illinois State Water Survey Prairie Research Institute University of Illinois prepared an updated version of Bulletin 70 for the Illinois Department of Commerce and Economic Opportunity; and

WHEREAS, on September 9, 2019, the Kendall County Planning, Building and Zoning Committee submitted a petition to amend Section 104 of the Kendall County Stormwater Management Ordinance by changing the reference of Bulletin 70 from the 1989 version of Bulletin 70 to the 2019 version of Bulletin 70; and

WHEREAS, following due and proper notice by publication in the Kendall County Record on September 19, 2019, the Kendall County Board conducted a public hearing on October 15, 2019, at 9:00 a.m., in the County Office Building at 111 W. Fox Street in Yorkville, at which evidence, testimony, and exhibits in support of the requested amendment was presented and **(insert number)** members of the public testified in favor or in opposition; and

WHEREAS, following due and careful consideration of the information provided at the October 15, 2019, public hearing, the Kendall County Board finds it to be in the public interest to amend the definition of Bulletin 70 contained in Kendall County Stormwater Management Ordinance; and

NOW, THEREFORE, BE IT ORDAINED, BY THE COUNTY BOARD OF KENDALL COUNTY, ILLINOIS, as follows:

Section 104 of the Kendall County Stormwater Management Ordinance is amended by the deleting the definition of Bulletin 70 and replacing it with the following:

“Bulletin 70. “Frequency Distributions of Heavy Precipitation in Illinois: Updated Bulletin 70” by James Angel and Momcilo Markus (2019).”

IN WITNESS OF, this ordinance has been enacted by a majority vote of the Kendall County Board and is effective this 15th day of October, 2019.

Attest:

Kendall County Clerk
Debbie Gillette

Kendall County Board Chairman
Scott R. Gryder

Frequency Distributions of Heavy Precipitation in Illinois: Updated Bulletin 70

James Angel and Momcilo Markus

March 2019

Frequency Distributions of Heavy Precipitation in Illinois: Updated Bulletin 70

James Angel and Momcilo Markus

Illinois State Water Survey
Prairie Research Institute
University of Illinois

Prepared for the
Illinois Department of Commerce and Economic Opportunity

March 2019

Acknowledgments

This material is based on work supported by the Illinois Department of Commerce and Economic Opportunity under Grant No. 08-355061 and funded by the U.S. Department of Housing and Urban Development's Community Development Block Grants Award No. B-08-DI-17-0001. Any opinions, findings, and conclusions or recommendations expressed in this publication are those of the authors and do not necessarily reflect the views of the Illinois Department of Commerce and Economic Opportunity, the U.S. Department of Housing and Urban Development, the Illinois State Water Survey, or the University of Illinois.

We would like to acknowledge the contributions of Sally McConkey as a project advisor and reviewer, David Kristovich, who also reviewed the final version of the report, as well as the contributions of Bryan Kerschner and Mary Richardson, all from ISWS. Wes Cattoor (IDNR) also provided several important review comments. Tom Over from USGS, Annie Peiyong Qu from the Department of Statistics, and Francina Dominguez and Ryan Sriver from the Department of Atmospheric Sciences, University of Illinois, provided additional insights and suggestions in the early stages of the project. Kexuan Ariel Wang, Lu Jin, Shaoxuan Guo, and Shailendra Singh performed most of the calculations for this project and Lisa Sheppard from ISWS edited and formatted the final version of the text.

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Introduction

This study was designed to update the Illinois State Water Survey (ISWS) Bulletin 70, evaluating rainfall frequency relations in Illinois using current precipitation datasets. The study primarily used the National Oceanic and Atmospheric Administration (NOAA) daily precipitation data from 1948 to 2017 to perform regional frequency analysis (RFA) using the L-moments approach. Additional information on precipitation relationships for less than 24 hours were obtained from NOAA hourly precipitation data from 1948 to 2014 and Cook County Precipitation Network (CCPN) data from 1989 to 2016. Precipitation frequency relations were developed for storm durations from 1 hour to 240 hours and for recurrence intervals from 2 to 500 years. The results are presented for the same 10 geographic sections as in Bulletin 70 (Figure 1) to maintain the continuity of hydrologic studies and compatibility with regulations.

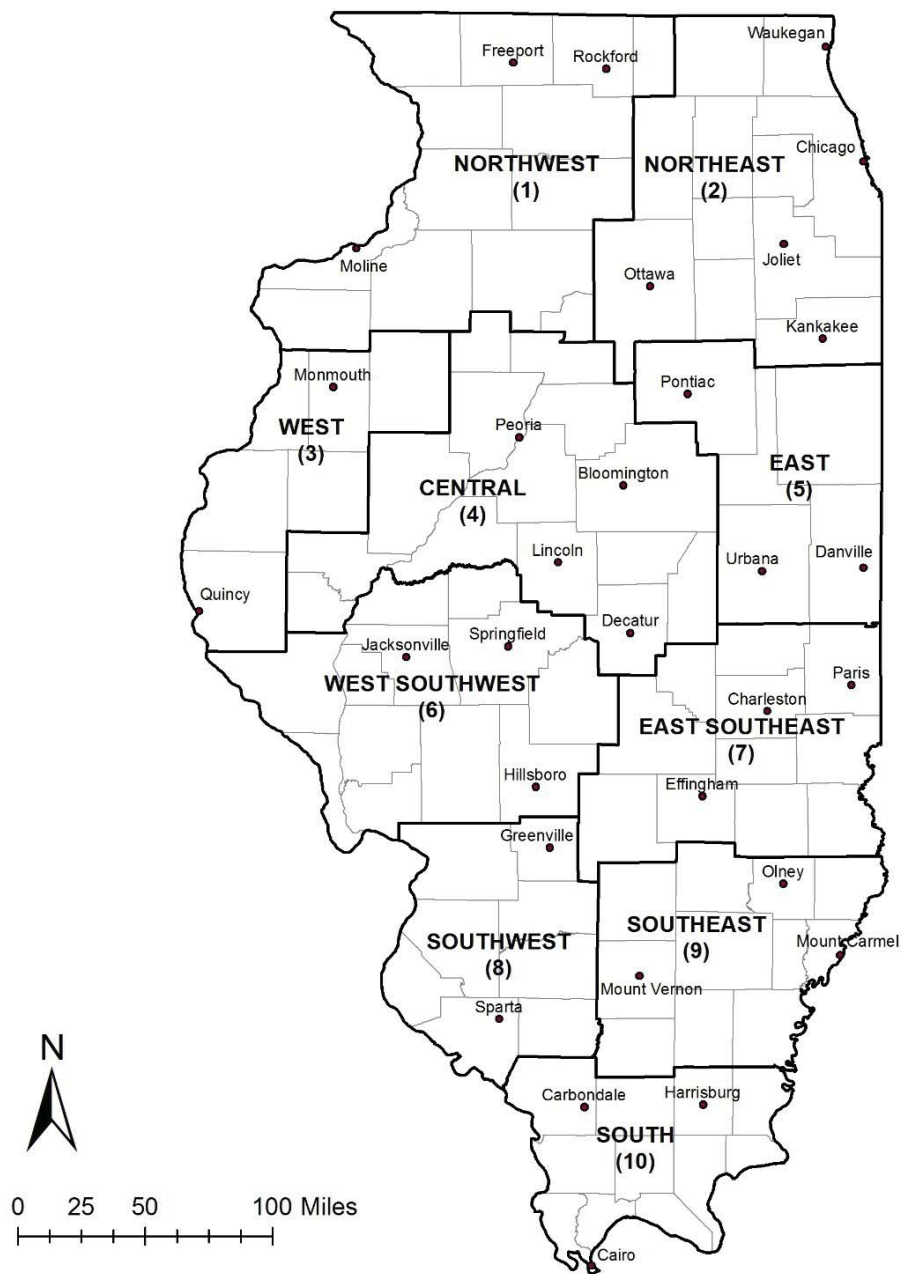


Figure 1 Climatic sections used in developing Illinois frequency estimates

Previous Studies

Several previous studies have examined precipitation frequencies related to Illinois, including Yarnell (1935), ISWS Bulletin 46 (Huff and Neil, 1959), and the U.S. Weather Bureau Technical Paper 40 (Hershfield, 1961).

The two studies currently applicable to Illinois are the ISWS Bulletin 70 (Huff and Angel, 1989) and NOAA Atlas 14 (Bonnin et al., 2006). ISWS Bulletin 70 is the current state standard for expected extreme rainfall events. The Illinois Department of Natural Resources (IDNR), Office of Water Resources (OWR) requires the use of Bulletin 70 for flood studies requiring state permits. Many Illinois county and community stormwater ordinances require that designs be based on Bulletin 70 as well. Bulletin 70 was based on analyses of precipitation data from 1901 to 1983, and the distributions were adjusted for the observed increases in the number of heavy precipitation events in Illinois.

In 2006, the NOAA National Weather Service (NWS) published NOAA Atlas 14 (Bonnin et al., 2006) for several states, including Illinois. The period of record for the data included in these analyses extends to 2000, providing 17 years of additional data over that available for Bulletin 70. However, the resulting frequency analysis yielded unexpected results of lowered precipitation estimates, especially at longer return periods.

Figure 2 shows a comparison of precipitation totals for an event of 24 hours in duration and a 1 percent annual chance probability (100-year storm). Positive (blue) numbers signify that the Atlas 14 study's total precipitation values are higher than the Bulletin 70 values and negative (brown) numbers indicate that the Atlas 14 study's total precipitation values are lower than the Bulletin 70 values. Despite the additional 20 years of data that should have reflected the continued trend toward heavier events, the Atlas 14 study produced smaller values at many locations. Similar differences were found at other storm durations and probabilities. These results have hampered its acceptance in Illinois for design purposes.

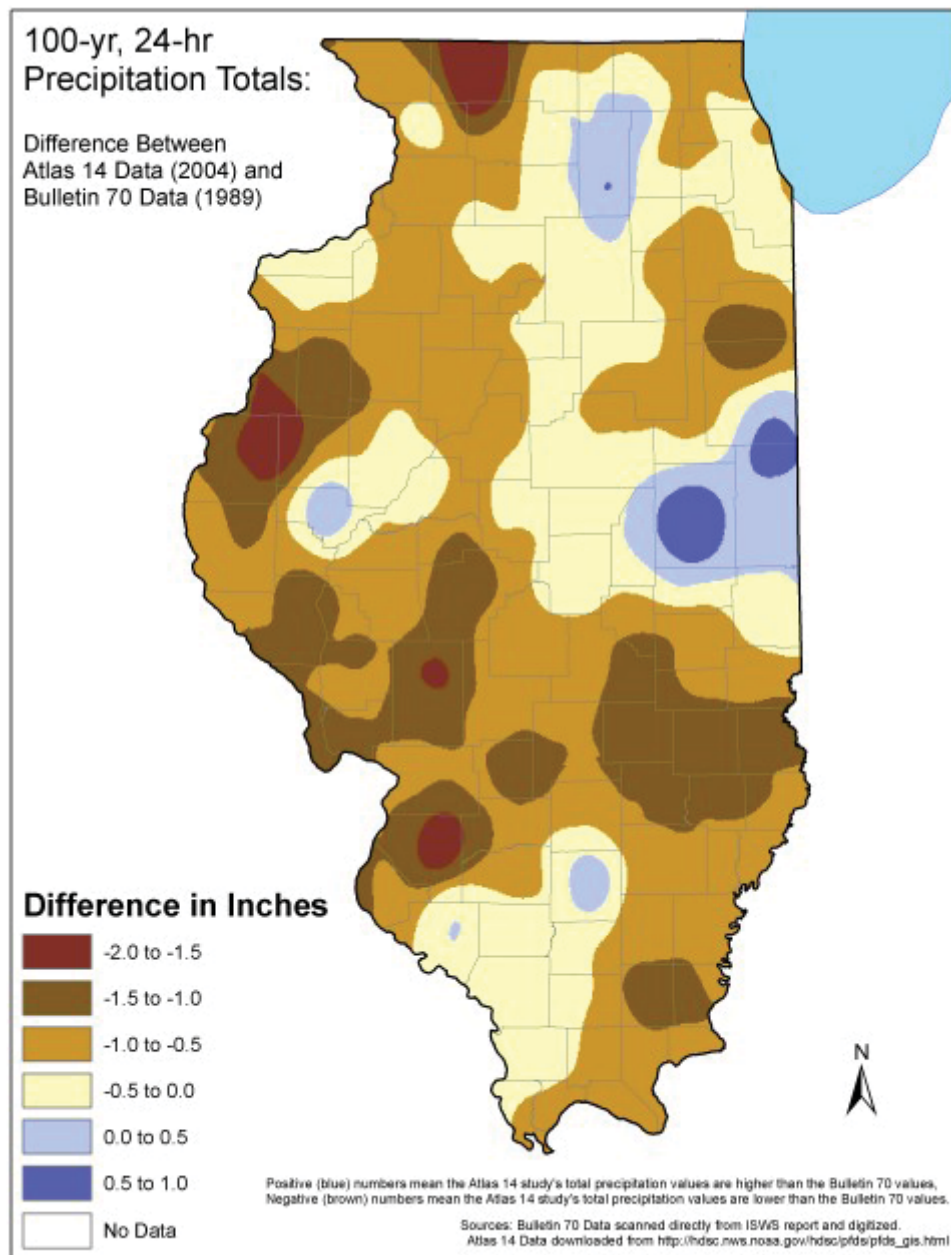


Figure 2 Differences in precipitation totals between Bulletin 70 and NOAA Atlas 14 for the 100-year, 24-hour storm

Climate Change and Its Impact on Heavy Precipitation in Illinois

Observed state increases in precipitation in general and heavy precipitation in particular have been a concern for several decades. As noted previously, a climate change adjustment was made in Bulletin 70 to address the trends already observed in the 1980s. In 2015, the IDNR, in cooperation with the Illinois State Water Survey, produced a report for the Urban Flooding Awareness Act outlining the impacts of increased precipitation in Illinois (Winters et al., 2015). Over a 10-year period, the IDNR documented \$2.3 billion dollars in costs in urban areas. Some \$1.6 billion in damages resulted from five severe storms. More than 90 percent of these damages occurred outside the mapped 1 percent annual chance floodplain.

Historical records for the statewide average annual precipitation for Illinois from 1895 to 2017 are shown in Figure 3. Based on a linear trend, Illinois precipitation has increased from 36 to 40 inches, or 11 percent over the past century. Illinois has become more likely to experience exceptionally wet years in recent decades. The year 1993 was the wettest on record with 51.18 inches of precipitation. The next two wettest years were 2009 with 50.96 inches and 2008 with 50.18 inches. All of these years were noted for widespread flooding across Illinois.

Temperatures in Illinois have warmed by about 1.2 degrees Fahrenheit over the past century. Warmer air can increase evaporation into the atmosphere by almost 4 percent with each degree increase in air temperature, meaning that on average, storms have more water available for precipitation. A longer warm season would increase the opportunity for thunderstorms. Additional work suggests that the increasingly intensive agricultural practices of the Midwest (more acreage and more plants per acre) have elevated summer humidity levels as well (Alter et al., 2017).

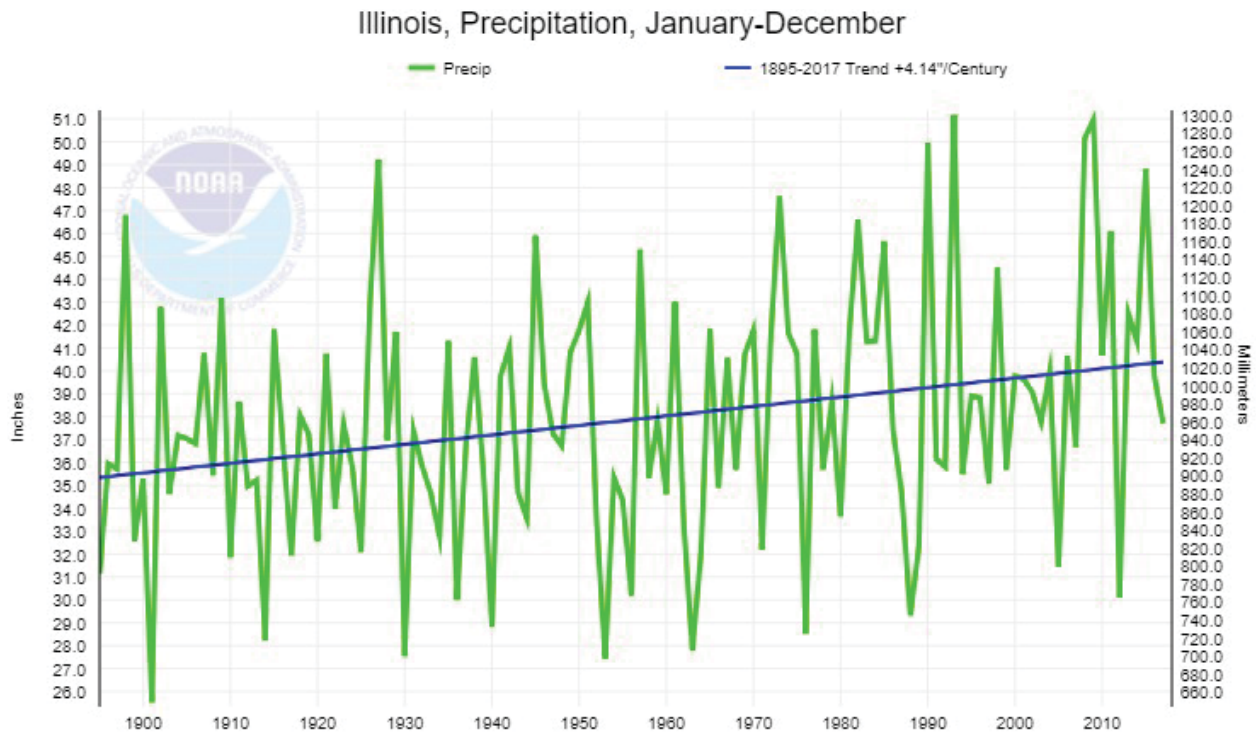


Figure 3 Statewide average annual precipitation for Illinois from 1895 to 2017. The green line shows the year-to-year variability. The blue line is a linear trend showing an increase of 4.14 inches over the past century. Source: NOAA NCEI, 2018.

Not only have the amounts of annual and seasonal precipitation increased, but so too have the numbers of extreme precipitation events (Frankson et al., 2017). Figure 4 shows the observed annual number of days with precipitation greater than 2 inches per station for 1900–2014 on average over 5-year periods. These values are averaged over 43 available long-term stations in Illinois. The average number of annual events has been above the long-term average for most 5-year periods since the 1960s. During the most recent 5-year period (2010–2014), Illinois experienced a record number of events in which stations averaged more than two 2-inch events annually. The dark horizontal line in Figure 4 is the 1900–2014 average of approximately 1.6 days per year. This pattern of heavier precipitation events has continued since the 2014 cutoff in the figure.

Conventional analyses of the frequency of extreme precipitation assumed a stationary time series (e.g., NOAA Atlas 14). This assumption meant that the longest period of record was always desired for the analysis. However, considerable evidence shows that the assumption of stationarity cannot be met (DeGaetano, 2009; Groisman et al., 2012). A concern of the current study was that an upward trend in precipitation could result in an underestimation of the current frequency of heavy precipitation by sampling earlier, drier years in the record.

For this study, the problem was minimized by using only the more recent records. As a result, the period of record selected for this report extended from 1948 to 2017. A recent study (DeGaetano and Castellano, 2018) supported this notion, showing that using 70 years of data or less can minimize the impacts from trends in precipitation. The selection of this period had the added benefit of yielding significantly more stations available for the study. In general, the number of stations increased significantly in Illinois after World War II, greatly improving the spatial coverage across the state.

The following sections of the report provide more details on the data sources and quality control, describe the methodology, and provide the results for the 10 geographic sections in tables, graphs, and maps. Additional research results on precipitation relationships will be shared in a second report to be published in 2019. That report will revisit the distribution of precipitation within the storm, also known as the Huff curves, along with the relationship between point and areal precipitation patterns out to 400 square miles.

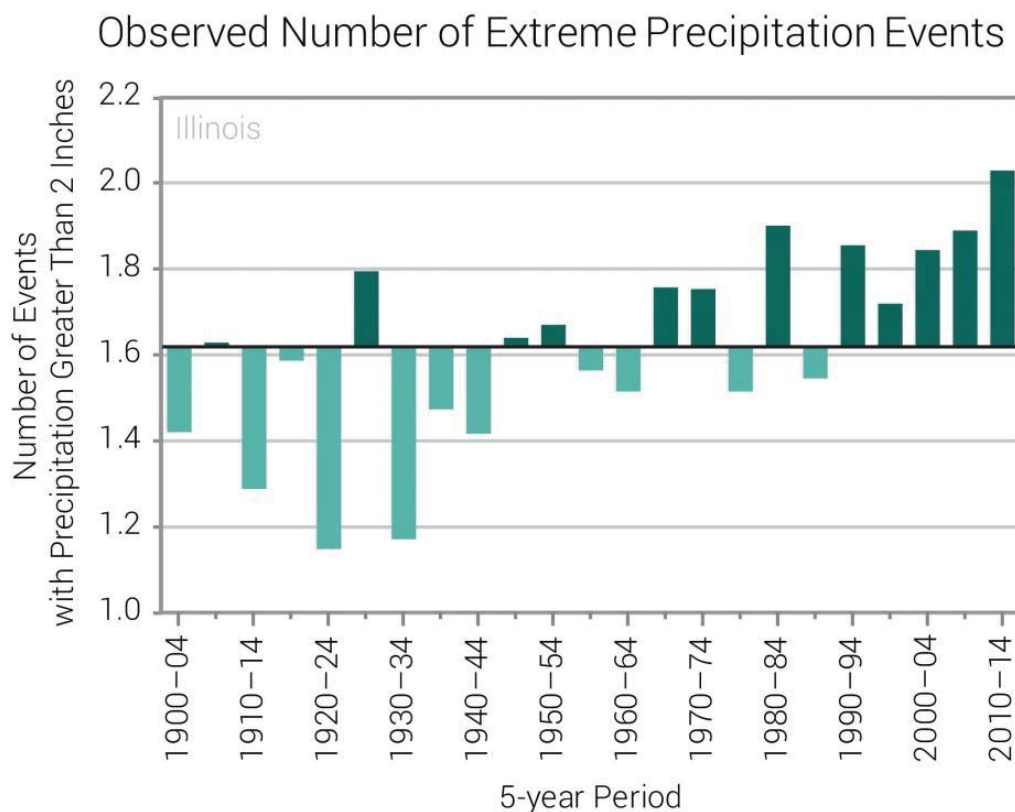


Figure 4 The observed annual number of days with precipitation greater than 2 inches for 1900–2014 on average over 5-year periods (Source: Frankson et al., 2017)

Precipitation Data Used in the Study

Three precipitation data sources were used in this study. As in Bulletin 70, the primary data source was the Global Historical Climatology Network Daily (GHCN-Daily), available through the NOAA National Center for Environmental Information (NCEI). This network of daily quality-controlled cooperative observers with the National Weather Service (NWS) is the longest serving network with the widest coverage across the state. The NWS provides equipment, training, and forms for observers, as well as the first level of quality assurance as the observations are reported. A more detailed description of this data source can be found at <https://www.ncdc.noaa.gov/ghcn-daily-description>. Data were downloaded using the CRAN R package 'rnoaa'. A total of 761 stations was downloaded from Illinois and from adjacent counties of neighboring states (Missouri, Iowa, Wisconsin, Indiana, and Kentucky) for consideration in this study. From this pool of stations, several criteria were applied to achieve the final list of stations.

As noted in the Introduction, the period since 1948 was notably wetter than earlier time periods and had more heavy precipitation events. To minimize the potential for underestimating the frequency of heavy precipitation events from sampling the earlier, drier period, only the data from the 1948–2017 period were considered in this study. From this pool of stations, only the stations with 30 years of data during the 1948–2017 period were selected. A minimum of 30 years was needed to develop reliable statistics for a station. In addition, data from each of those years had to be 90 percent complete. This was a common requirement in many climatological studies to strike a balance between the negative effects of missing data versus rejecting years with nearly complete records. A total of 176 stations met the criteria of the study. The map of daily stations used in this report is shown in Figure 5.

The second data source was the hourly precipitation dataset from NOAA. These data have been collected from automated gages since 1948. Unfortunately, the gages required a higher level of maintenance, which resulted in a much higher rate of missing data than that from the daily data network. As a result, the data were of limited use in this study. Their primary use for this report was to confirm earlier relationships developed between 24-hour and less than 24-hour amounts used in Bulletin 70 and NOAA Atlas 14. These relationships are documented later in this report. A total of 73 stations were examined in this study. A map of those stations with hourly data is shown in Figure 6.

The final data source for this study was the Cook County Precipitation Network (CCPN). This network is a collaborative study between ISWS and the US Army Corps of Engineers to produce consistent and accurate data for the Chicagoland region. The 25 recording gages have an average grid spacing of 5 to 7 miles (Bauer, 2018). A map of the stations is shown in Figure 7. As with the NOAA hourly data, the CCPN hourly data were used for this report to confirm earlier relationships developed between 24-hour and less than 24-hour amounts.

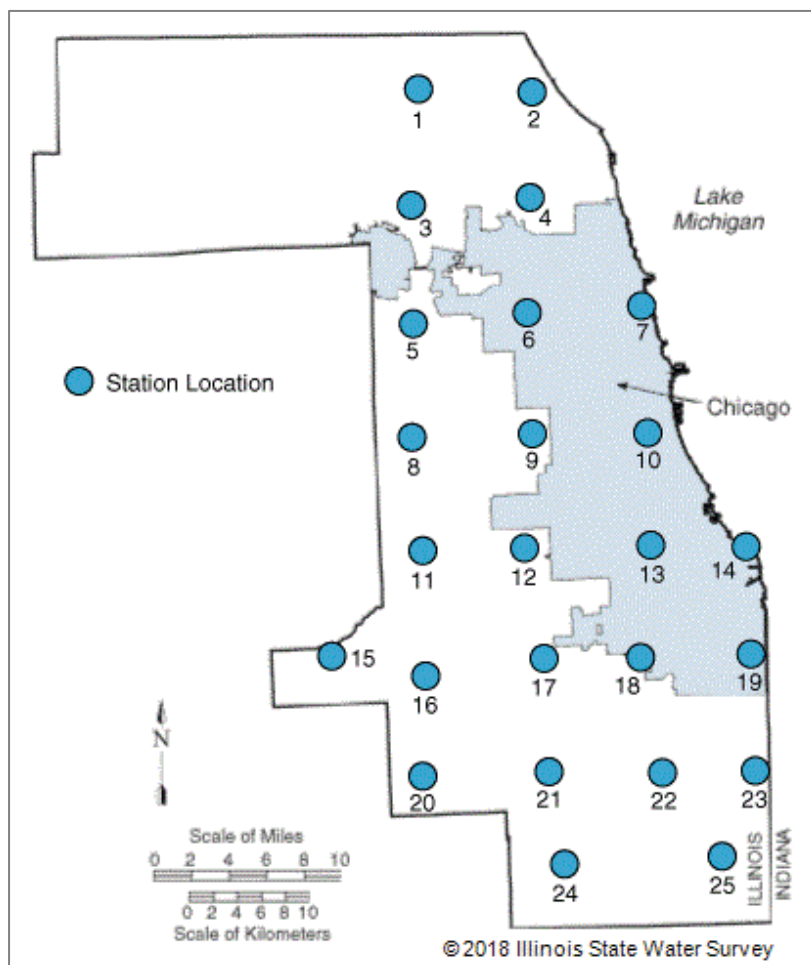


Figure 7 Precipitation stations in the Cook County Precipitation Network (CCPN)

Methodology Description

For each region (section), the annual maximum series (AMS) data observed at each station were used as inputs to produce regional (sectional) statistical frequency estimates for storm durations from 1 hour to 240 hours and for recurrence intervals from 2 to 500 years. For each duration of 24 hours or more, the frequency analysis was based on the L-moments method and Langbein's formula for debiasing. Due to significant uncertainty in hourly data, the frequency analysis for durations shorter than 24 hours was replaced by the application of newly calculated x-hour:24-hour ratios. This approach was similar to that of the original Bulletin 70. To maintain consistency with the format of the original Bulletin 70, the site estimates were averaged for each section, adjusted for temporal trends, and presented in the final tables appearing later in this text.

Annual Maximum and Partial Duration Series

Frequency estimates at a station can be calculated based on either an annual maximum series (AMS) or a partial duration series (PDS). The AMS-based method involves selecting the largest precipitation amount from each year on record for each duration of interest. In the PDS-based method, a given number of rainfall totals are selected that are larger than a predefined threshold for all durations independently of the year of occurrence. With this method, multiple events can occur in the same calendar year. Selected events need to be screened for independence, i.e., to determine if two precipitation peaks can be considered coming from the same event before inclusion in the final dataset. The PDS method uses the available precipitation information more completely than the AMS-based method does. As a result, the AMS method estimates are biased, particularly for smaller recurrence intervals. On the other hand, no method has been widely accepted for threshold selection and accounting for dependence between the events in the PDS-based approach, making the method somewhat subjective. To reconcile the strengths and weaknesses of the two methods, many precipitation frequency studies (Perica et al., 2011) used the AMS approach and then corrected for the bias using the Langbein's equation (Langbein, 1949). Similarly, in this study, the Langbein's equation (Eq. 1) was used to convert frequencies associated with AMS data to the ones with PDS data, thus providing unbiased frequency estimates.

$$T_{AMS} = \frac{1}{(1 - \exp(-\frac{1}{T_{PDS}}))} \quad (1)$$

where T_{AMS} and T_{PDS} are the recurrence intervals (return periods) associated with AMS and PDS data, respectively. After conversion, the AMS-based frequencies of 2.54, 5.52, 10.51, 25, 50, and

100 years correspond to the PDS-based 2, 5, 10, 25, 50, and 100-year frequencies, respectively. For example, the unbiased estimate of a 2-year recurrence interval rainfall can be calculated using the AMS approach for a recurrence interval of 2.54 years.

Constrained vs. Unconstrained Daily Precipitation

Daily rainfall data include all precipitation that was recorded on a given calendar day between the fixed monitoring times, such as between 7 a.m. on a certain day and 7 a.m. on the following day. This amount may be smaller than the maximum rainfall in a given 24-hour period. Instances will occur in which the maximum 24-hour rainfall will span more than a single calendar day. Adjustment factors to account for this difference have been determined through a comparative analysis of Hershfield (1961), Huff and Neil (1959), Huff and Angel (1989), Markus et al. (2007), and Perica et al. (2011). The conversion factors are shown in Table 1. To avoid confusion between the constrained and unconstrained precipitation, all results in this report are presented in hours (e.g., 24-hour or 240-hour precipitation).

Table 1 Conversion from Constrained to Unconstrained Precipitation Adopted in this Study

From	1 day	2 days	3 days	5 days	10 days
To	24 hours	48 hours	72 hours	120 hours	240 hours
Conversion factor	1.13	1.04	1.02	1.01	1.00

Sub-Daily Precipitation Frequency Conversions

As for Bulletin 70, sub-daily precipitation frequencies were obtained for this study based on x-hour to 24-hour type conversions. The direct regional frequency analysis of sub-daily data produced significantly variable and uncertain results because of numerous factors, such as the number/spatial coverage of hourly stations, their shorter record lengths, missing/incomplete data, and questionable quality of the data at some of these stations.

To determine the conversion factors, an extensive study of the average ratios of x-hour to 24-hour rainfall was performed using the hourly data. The ratios obtained in this study by running a regional frequency analysis (RFA) for 1948 to 2017 were compared with ISWS Bulletin 70 and NOAA Atlas 14, and the differences among the ratios were not found to be significant (Table 2). The adopted conversion factors were identical to those in Bulletin 70.

Table 2 X-hr:24-hr Ratios

Storm Duration (hours)	RFA 1948-2017	Bulletin 70	Atlas 14	Adopted
1	0.42	0.47	0.47	0.47
2	0.56	0.58	0.57	0.58
3	0.64	0.64	0.63	0.64
6	0.76	0.75	0.75	0.75
12	0.87	0.87	0.86	0.87
18	0.94	0.94	N/A	0.94

Stationary Regional Frequency Analysis

Although the observed precipitation datasets were nonstationary, the authors first performed the stationary frequency analysis based on the L-moments (Hosking, 2000; Hosking and Wallis, 1997), and then adjusted the results to account for trends. The method accounting for trends was adopted from the original Bulletin 70 and described in the Nonstationary Temporal Trend Analysis section. The L-moments methodology first computed the point rainfall depths for each duration and recurrence interval at each raingage. For consistency with Bulletin 70, these depths were then averaged for each section and expressed as sectional frequencies (see the Results section). Past research results (Vogel and Fennessey, 1993) indicate that regional frequency analysis based on the L-moments is more robust and better identifies the parent distribution compared to other more traditional estimation techniques, particularly for regional studies. This methodology was also adopted by NOAA (Bonnin et al., 2006; Perica et al., 2011) and applied in previous studies in Illinois (Markus et al., 2007; Hejazi and Markus, 2009). The L-moments method uses the discordancy measure (Hosking and Wallis, 1997) to identify statistically unusual (discordant) sites in a region and the heterogeneity measure to assess if the region is homogeneous. Next, for each region, the method finds the best-fit statistical distribution among the following distributions (Hosking, 2000): Exponential, Gamma, Gumbel, Normal, Generalized Pareto, Generalized Extreme Value, Generalized Logistic, Generalized Normal, Pearson 3, and Wakeby. To construct 90 percent confidence limits, 500 synthetic datasets that have the same statistical features as the adopted distribution were generated using a Monte Carlo simulation technique (Hosking and Wallis, 1997). In this method, each synthetic dataset produces a quantile. The upper confidence limit separates the upper 5 percent and the lower 95 percent, and similarly, the lower confidence limit separates the lower 5 from the top 95 percent of all generated quantiles.

Nonstationary Temporal Trend Analysis

Traditional hydroclimatologic studies typically relied on long-term precipitation records, which have been used to estimate the probability of heavy precipitation events that will occur in the future. The underlying assumption was that the precipitation data were stationary, or in other words, that future variability will be similar to the past variability. However, numerous studies have indicated that the frequency and intensity of precipitation in Illinois have been increasing in the past several decades and will continue to increase in the future (Winters et al., 2015). Therefore, because of climate change, precipitation stationarity cannot be assumed. To account for nonstationarity, the approach used in the original Bulletin 70 was adopted. The Bulletin 70 approach divides the whole period, in this case 1948–2017, into two equal periods, 1948–1982 and 1983–2017, and then estimates frequency quantiles (e.g. 24-hour 100-year storm) for the first half (RFA₁), the second half (RFA₂), and the whole period (RFA₀). The nonstationary adjustment factor NAF is defined as

$$NAF = \frac{RFA_2}{RFA_1} \quad (2)$$

The frequency quantile RFA, which accounts for the trend in peaks, is given by

$$RFA = NAF \cdot RFA_0 = RFA_0 \frac{RFA_2}{RFA_1} \quad (3)$$

The trend adjustment factors used in this study are shown in Table 3. A companion report, to be published in 2019, will provide more in-depth information through nonstationarity analysis and comparisons with other approaches that have been designed to determine frequency as a function of time (e.g., Salas et al., 2018; Serago and Vogel, 2018; Cheng et al., 2014).

Table 3 Temporal Trend Adjustment Factors for 10 Sections

	Climatic section	24 hrs	48 hrs	72 hrs	120 hrs	240 hrs	Average
1	Northwest	1.07	1.07	1.03	1.05	1.12	1.07
2	Northeast	1.06	1.12	1.13	1.18	1.21	1.14
3	West	1.00	0.96	0.91	0.92	1.02	0.96
4	Central	1.02	0.94	0.94	0.97	1.08	0.99
5	East	0.99	0.94	0.92	0.96	1.02	0.97
6	West Southwest	0.99	0.97	0.98	1.02	1.10	1.01
7	East Southeast	1.05	0.97	1.02	1.01	1.12	1.03
8	Southwest	1.11	1.09	1.10	1.13	1.26	1.14
9	Southeast	1.07	1.09	1.04	1.03	1.09	1.06
10	South	0.96	1.02	1.06	1.03	0.99	1.01

Results

Frequency Estimates

To determine the precipitation frequency, the previously described regional frequency analysis was applied to the AMS data. The results were then converted to the PDS domain based on the relationship defined in Eq. 1 and adjusted for the trend (Eq. 3). These results, however, still had occasional minor inconsistencies caused by several factors, such as variable data length for different durations, which resulted in irregular frequency curves. To produce the final curves, these irregularities had to be smoothed out, which was done based on the authors' professional judgment and knowledge of specific regions and gages.

The results for all sections are shown in the following tables. Table 4 displays the key for the codes used in Table 5 where the results are presented numerically. The results are shown graphically in Figures 8–12.

Table 4 Storm and Sectional Codes for Table 5

<i>Storm Code</i>		<i>Sectional Code</i>	
1	240 hours	1	Northwest
2	120 hours	2	Northeast
3	72 hours	3	West
4	48 hours	4	Central
5	24 hours	5	East
6	18 hours	6	West Southwest
7	12 hours	7	Southeast
8	6 hours	8	Southwest
9	3 hours	9	Southeast
10	2 hours	10	South
11	1 hour		

Table 5 Rainfall Frequencies

Storm code	Section code	Rainfall (inches) for given recurrence interval						
		2-year	5-year	10-year	25-year	50-year	100- year	500- year
1	1	5.48	6.86	7.98	9.55	10.84	12.14	15.65
1	2	5.60	7.09	8.25	9.90	11.26	12.65	16.00
1	3	5.62	7.00	8.10	9.60	10.65	11.64	13.99
1	4	5.46	6.87	8.04	9.53	10.55	11.50	13.65
1	5	5.50	6.84	7.90	9.35	10.45	11.55	13.96
1	6	6.00	7.38	8.47	9.95	10.99	11.95	14.08
1	7	6.57	7.86	8.90	10.20	11.20	12.06	13.95
1	8	6.75	8.18	9.30	10.80	11.95	13.10	15.95
1	9	7.06	8.30	9.22	10.37	11.21	11.96	13.75
1	10	6.36	7.65	8.76	10.40	11.66	12.96	16.20
2	1	4.35	5.51	6.46	7.88	8.96	10.20	13.33
2	2	4.42	5.63	6.68	8.16	9.39	10.66	13.81
2	3	4.51	5.66	6.62	7.94	8.93	9.83	11.99
2	4	4.27	5.42	6.42	7.75	8.72	9.60	11.54
2	5	4.34	5.43	6.41	7.73	8.79	9.80	11.93
2	6	4.49	5.60	6.49	7.77	8.69	9.57	11.53
2	7	5.00	6.11	7.01	8.23	9.11	9.95	11.71
2	8	5.31	6.51	7.47	8.79	9.81	10.84	13.45
2	9	5.73	6.78	7.60	8.64	9.47	10.20	11.97
2	10	5.18	6.30	7.29	8.69	9.78	10.91	13.84
3	1	3.90	4.95	5.87	7.21	8.30	9.45	12.30
3	2	3.97	5.08	6.05	7.49	8.64	9.85	12.81
3	3	4.11	5.18	6.08	7.34	8.31	9.18	11.27
3	4	3.88	4.96	5.90	7.17	8.09	8.98	10.81
3	5	3.88	4.90	5.78	7.04	8.01	8.93	11.00
3	6	4.00	5.00	5.83	7.01	7.91	8.73	10.61
3	7	4.35	5.37	6.19	7.34	8.19	8.97	10.57
3	8	4.74	5.82	6.71	7.96	8.89	9.86	12.32
3	9	5.13	6.09	6.86	7.87	8.63	9.34	10.93
3	10	4.54	5.61	6.50	7.78	8.79	9.86	12.55

Table 5 (continued)

Storm code	Section code	Rainfall (inches) for given recurrence interval						
		2-year	5-year	10-year	25-year	50-year	100- year	500- year
4	1	3.61	4.59	5.43	6.72	7.73	8.83	11.53
4	2	3.66	4.71	5.62	6.99	8.13	9.28	12.10
4	3	3.76	4.76	5.62	6.81	7.72	8.60	10.58
4	4	3.59	4.61	5.47	6.65	7.55	8.40	10.21
4	5	3.54	4.49	5.32	6.48	7.38	8.27	10.26
4	6	3.66	4.61	5.38	6.48	7.33	8.11	9.93
4	7	3.92	4.85	5.61	6.67	7.46	8.21	9.76
4	8	4.28	5.29	6.10	7.25	8.15	9.08	11.40
4	9	4.64	5.54	6.27	7.24	7.94	8.58	10.06
4	10	4.06	5.02	5.86	7.04	8.01	9.02	11.56
5	1	3.34	4.22	5.03	6.20	7.20	8.25	10.84
5	2	3.34	4.30	5.15	6.45	7.50	8.57	11.24
5	3	3.48	4.45	5.24	6.38	7.25	8.06	9.91
5	4	3.32	4.30	5.10	6.20	7.05	7.85	9.53
5	5	3.12	3.97	4.71	5.78	6.62	7.43	9.32
5	6	3.23	4.07	4.76	5.79	6.56	7.31	9.04
5	7	3.49	4.33	5.00	5.98	6.71	7.40	8.84
5	8	3.69	4.56	5.27	6.30	7.14	7.96	10.06
5	9	4.07	4.89	5.55	6.42	7.06	7.68	8.99
5	10	3.63	4.52	5.28	6.38	7.29	8.23	10.57
6	1	3.14	3.97	4.73	5.83	6.77	7.75	10.19
6	2	3.14	4.04	4.84	6.06	7.05	8.06	10.57
6	3	3.27	4.18	4.93	6.00	6.82	7.58	9.32
6	4	3.12	4.04	4.79	5.83	6.63	7.38	8.96
6	5	2.93	3.73	4.43	5.43	6.22	6.98	8.76
6	6	3.04	3.83	4.47	5.44	6.17	6.87	8.50
6	7	3.28	4.07	4.70	5.62	6.31	6.96	8.31
6	8	3.47	4.29	4.95	5.92	6.71	7.48	9.45
6	9	3.83	4.60	5.22	6.03	6.64	7.22	8.45
6	10	3.41	4.25	4.96	6.00	6.85	7.73	9.93

Table 5 (continued)

Storm code	Section code	Rainfall (inches) for given recurrence interval						
		2-year	5-year	10-year	25-year	50-year	100- year	500- year
7	1	2.91	3.67	4.38	5.40	6.26	7.18	9.43
7	2	2.91	3.74	4.48	5.61	6.53	7.46	9.78
7	3	3.03	3.87	4.56	5.55	6.31	7.01	8.62
7	4	2.89	3.74	4.44	5.39	6.13	6.83	8.29
7	5	2.71	3.45	4.10	5.03	5.76	6.46	8.11
7	6	2.81	3.54	4.14	5.04	5.71	6.36	7.86
7	7	3.04	3.77	4.35	5.20	5.84	6.44	7.69
7	8	3.21	3.97	4.58	5.48	6.21	6.93	8.75
7	9	3.54	4.25	4.83	5.59	6.14	6.69	7.82
7	10	3.16	3.93	4.59	5.55	6.34	7.16	9.19
8	1	2.51	3.17	3.77	4.65	5.40	6.19	8.13
8	2	2.51	3.23	3.86	4.84	5.63	6.43	8.43
8	3	2.61	3.34	3.93	4.79	5.44	6.05	7.43
8	4	2.49	3.23	3.83	4.65	5.29	5.89	7.15
8	5	2.34	2.98	3.53	4.34	4.97	5.57	6.99
8	6	2.42	3.05	3.57	4.34	4.92	5.48	6.78
8	7	2.62	3.25	3.75	4.49	5.03	5.55	6.63
8	8	2.77	3.42	3.95	4.73	5.36	5.97	7.54
8	9	3.05	3.67	4.16	4.82	5.30	5.76	6.74
8	10	2.72	3.39	3.96	4.79	5.47	6.17	7.92
9	1	2.14	2.70	3.22	3.97	4.61	5.28	6.94
9	2	2.14	2.75	3.30	4.13	4.80	5.49	7.20
9	3	2.23	2.85	3.35	4.08	4.64	5.16	6.34
9	4	2.12	2.75	3.26	3.97	4.51	5.02	6.10
9	5	2.00	2.54	3.01	3.70	4.24	4.76	5.97
9	6	2.07	2.60	3.05	3.71	4.20	4.68	5.79
9	7	2.23	2.77	3.20	3.83	4.29	4.74	5.66
9	8	2.36	2.92	3.37	4.03	4.57	5.09	6.44
9	9	2.60	3.13	3.55	4.11	4.52	4.92	5.75
9	10	2.32	2.89	3.38	4.09	4.66	5.26	6.76

Table 5 (continued)

Storm code	Section code	Rainfall (inches) for given recurrence interval						
		2-year	5-year	10-year	25-year	50-year	100- year	500- year
10	1	1.94	2.45	2.92	3.60	4.17	4.78	6.29
10	2	1.94	2.49	2.99	3.74	4.35	4.97	6.52
10	3	2.02	2.58	3.04	3.70	4.21	4.67	5.75
10	4	1.93	2.49	2.96	3.60	4.09	4.55	5.53
10	5	1.81	2.30	2.73	3.35	3.84	4.31	5.41
10	6	1.87	2.36	2.76	3.36	3.80	4.24	5.24
10	7	2.02	2.51	2.90	3.47	3.89	4.29	5.13
10	8	2.14	2.64	3.06	3.65	4.14	4.62	5.83
10	9	2.36	2.84	3.22	3.72	4.09	4.46	5.21
10	10	2.10	2.62	3.06	3.70	4.23	4.77	6.13
11	1	1.57	1.98	2.36	2.92	3.38	3.88	5.09
11	2	1.57	2.02	2.42	3.03	3.53	4.03	5.28
11	3	1.64	2.09	2.46	3.00	3.41	3.79	4.66
11	4	1.56	2.02	2.40	2.91	3.31	3.69	4.48
11	5	1.47	1.87	2.21	2.72	3.11	3.49	4.38
11	6	1.52	1.91	2.24	2.72	3.08	3.44	4.25
11	7	1.64	2.04	2.35	2.81	3.15	3.48	4.15
11	8	1.73	2.14	2.48	2.96	3.36	3.74	4.73
11	9	1.91	2.30	2.61	3.02	3.32	3.61	4.23
11	10	1.71	2.12	2.48	3.00	3.43	3.87	4.97

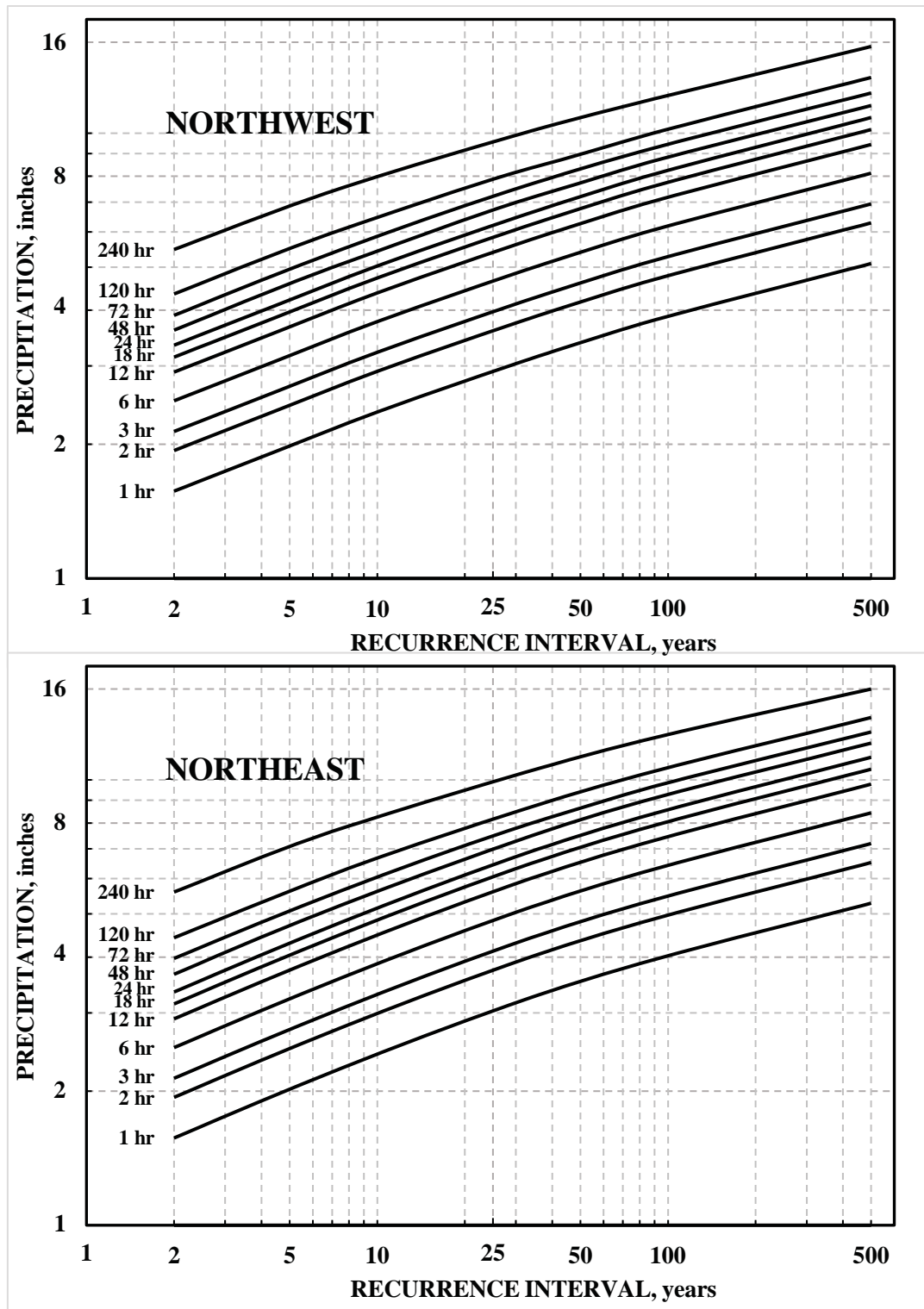


Figure 8 Frequency distributions of precipitation for Illinois climatic sections Northwest and Northeast for storm periods of 1 hour to 240 hours days and recurrence intervals of 2 to 100 years

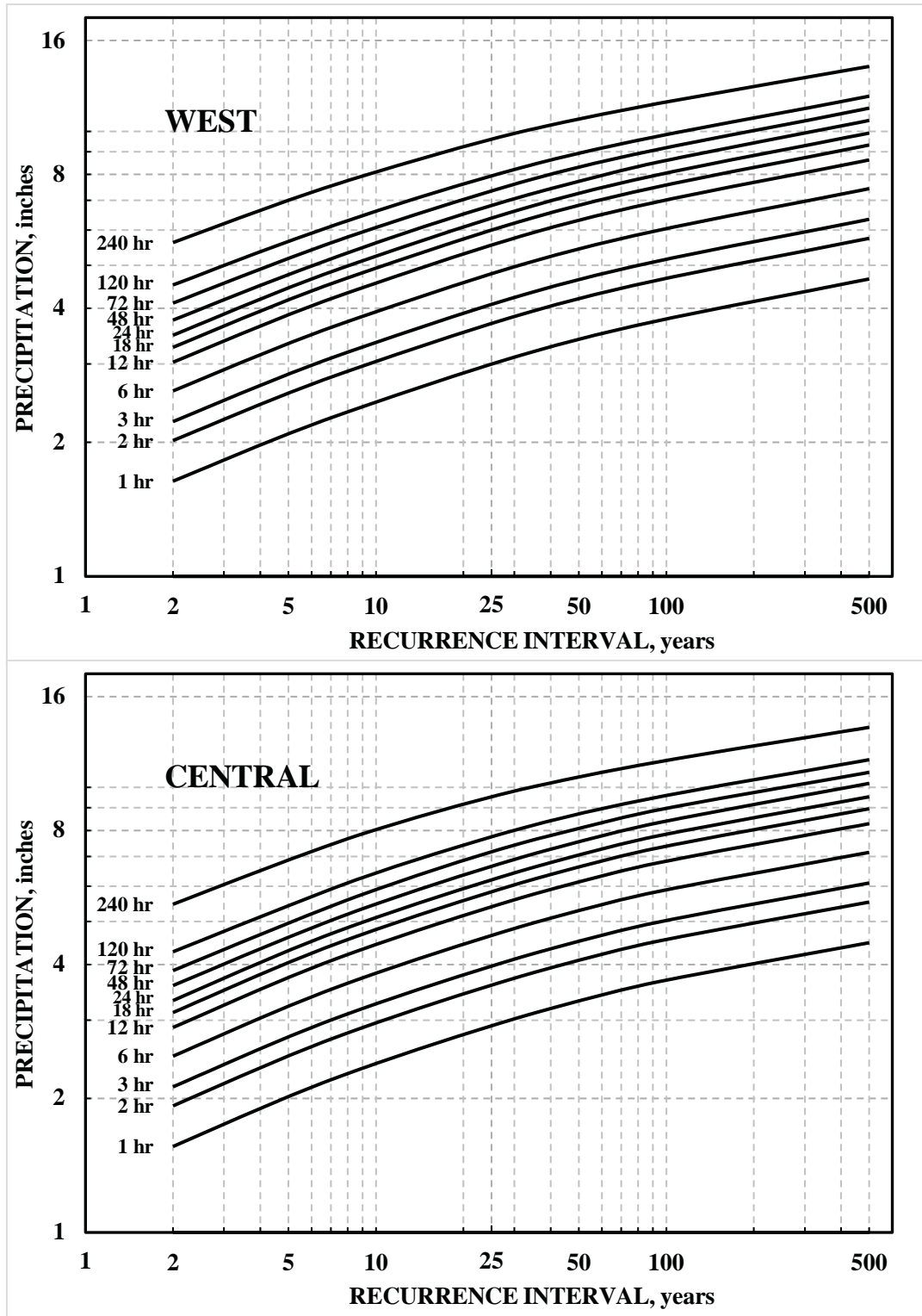


Figure 9 Frequency distributions of precipitation for Illinois climatic sections west and central for storm periods of 1 hour to 240 hours and recurrence intervals of 2 to 100 years

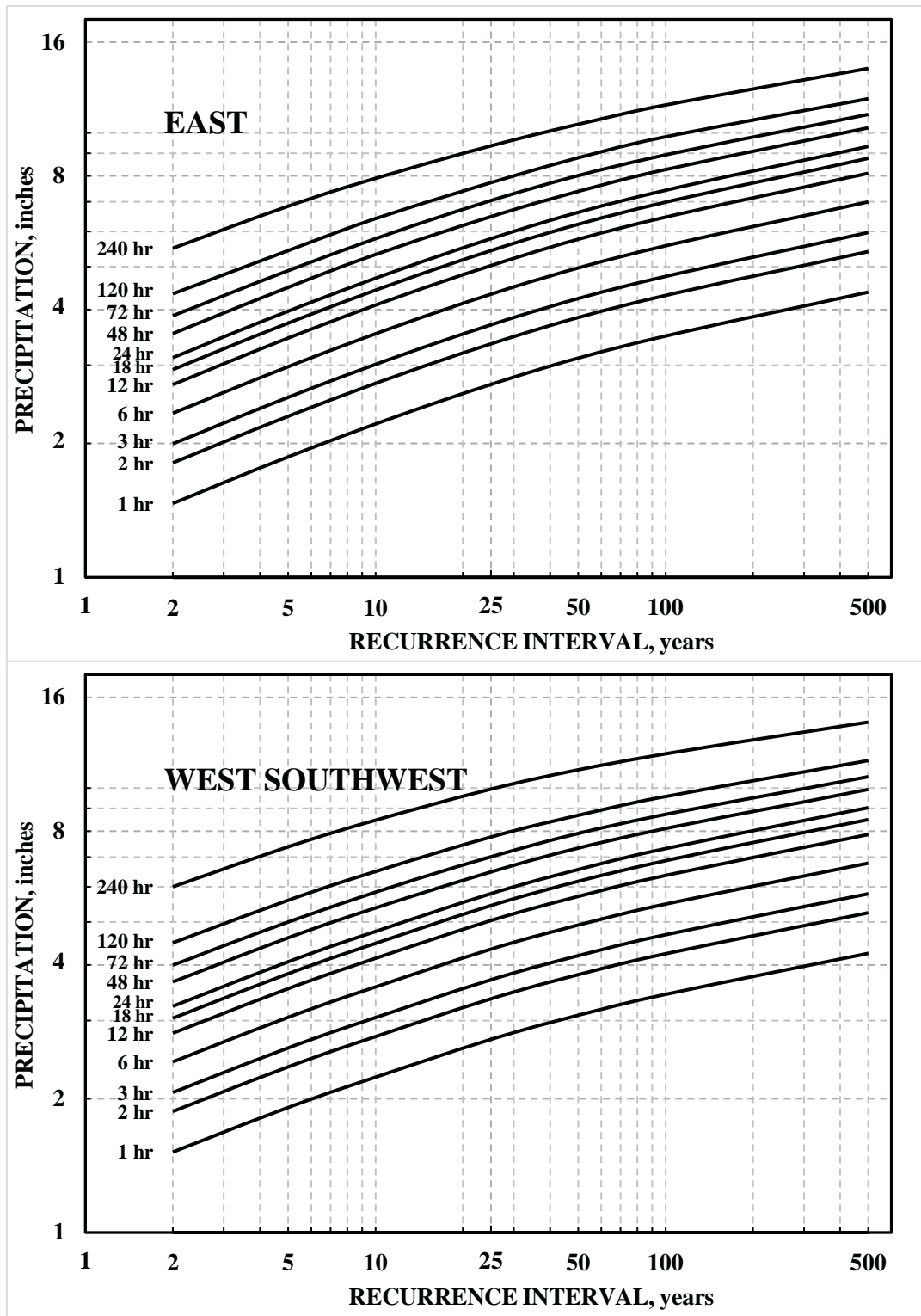


Figure 10 Frequency distributions of precipitation for Illinois climatic sections east and west southwest for storm periods of 1 hour to 240 hours and recurrence intervals of 2 to 100 years

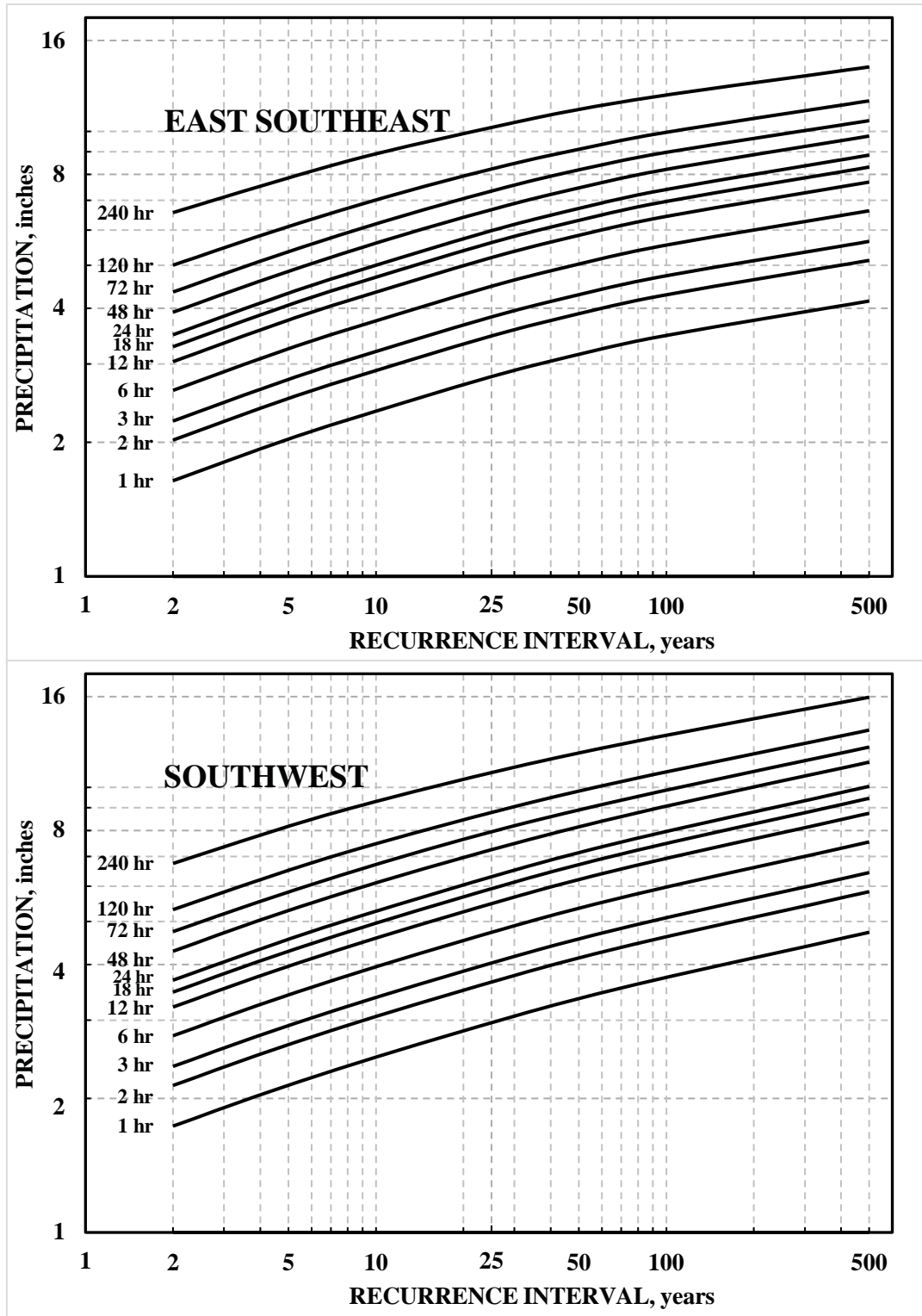


Figure 11 Frequency distributions of precipitation for Illinois climatic sections east southeast and southwest for storm periods of 1 hour to 240 hours and recurrence intervals of 2 to 100 years

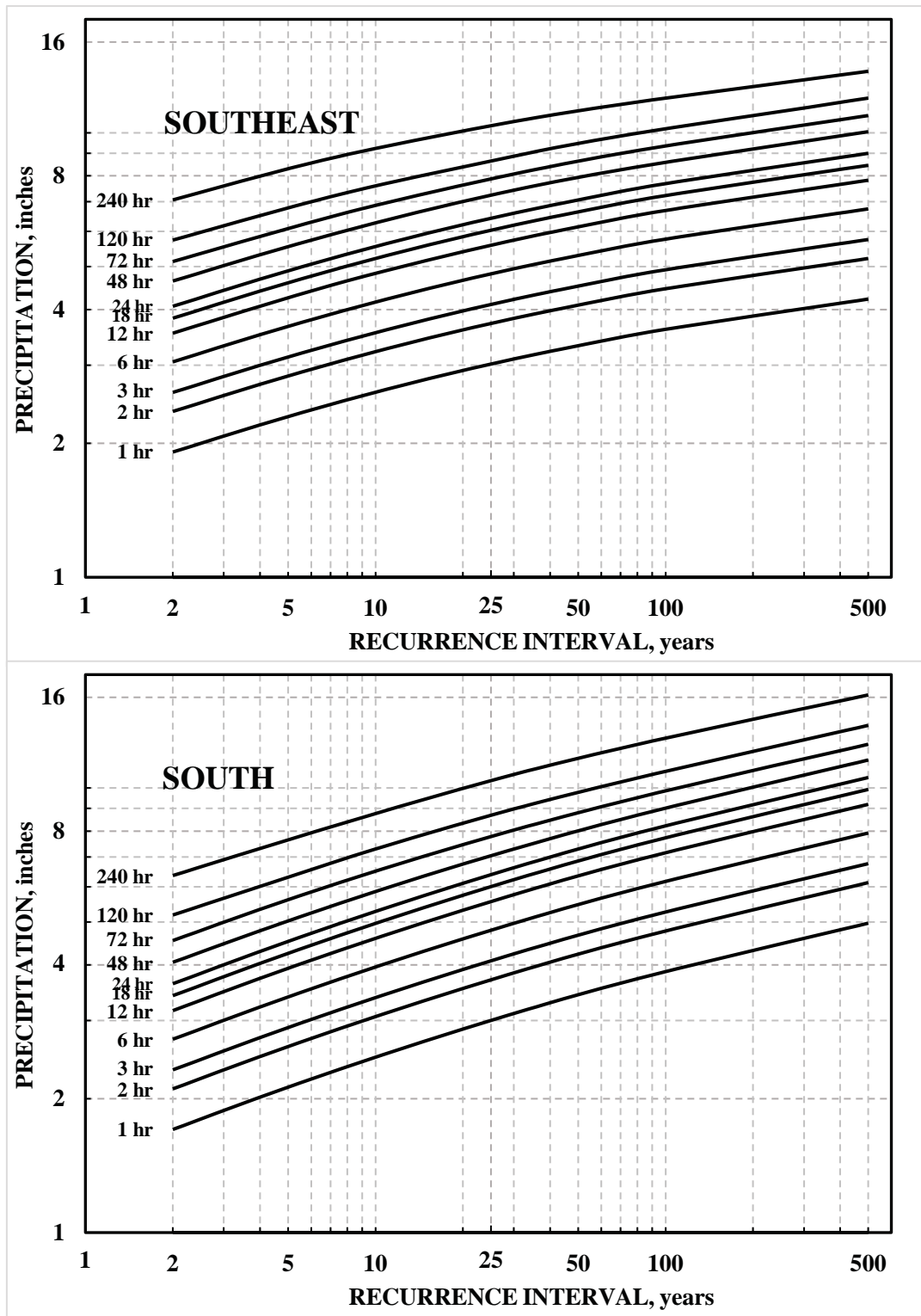


Figure 12 Frequency distributions of precipitation for Illinois climatic sections southeast and south for storm periods of 1 hour to 240 hours and recurrence intervals of 2 to 100 years

Confidence Limits

Confidence limits were calculated based on the methodology described in the previous Frequency Estimates section. Confidence limits are provided for section codes 1–10 and for storm codes 1–11 (Table 4), and are shown in Table 6.

Table 6 Precipitation Frequency Estimates (in inches) with 90% Confidence Intervals

Storm Code	Section Code	Recurrence interval						
		2-year	5-year	10-year	25-year	50-year	100-year	500-year
1	1	5.48 (5.04 - 5.95)	6.86 (6.30 - 7.48)	7.98 (7.30 - 8.73)	9.55 (8.67 - 10.53)	10.84 (9.76 - 12.06)	12.14 (10.82 - 13.63)	15.65 (13.53 - 18.10)
1	2	5.60 (5.14 - 6.09)	7.09 (6.48 - 7.75)	8.25 (7.49 - 9.08)	9.90 (8.89 - 11.04)	11.26 (10.01 - 12.72)	12.65 (11.08 - 14.51)	16.00 (13.40 - 19.13)
1	3	5.62 (5.21 - 6.11)	7.00 (6.47 - 7.62)	8.10 (7.44 - 8.86)	9.6 (8.73 - 10.58)	10.65 (9.59 - 11.84)	11.64 (10.34 - 13.05)	13.99 (11.96 - 16.14)
1	4	5.46 (5.07 - 5.90)	6.87 (6.36 - 7.43)	8.04 (7.43 - 8.71)	9.53 (8.75 - 10.38)	10.55 (9.62 - 11.56)	11.5 (10.40 - 12.70)	13.65 (12.02 - 15.40)
1	5	5.50 (5.14 - 5.89)	6.84 (6.38 - 7.34)	7.9 (7.34 - 8.50)	9.35 (8.64 - 10.12)	10.45 (9.60 - 11.40)	11.55 (10.52 - 12.71)	13.96 (12.39 - 15.72)
1	6	6.00 (5.55 - 6.51)	7.38 (6.82 - 8.02)	8.47 (7.81 - 9.21)	9.95 (9.11 - 10.88)	10.99 (9.97 - 12.09)	11.95 (10.74 - 13.26)	14.08 (12.31 - 15.96)
1	7	6.57 (6.03 - 7.14)	7.86 (7.22 - 8.55)	8.90 (8.16 - 9.72)	10.20 (9.29 - 11.27)	11.20 (10.09 - 12.49)	12.06 (10.71 - 13.62)	13.95 (11.94 - 16.28)
1	8	6.75 (6.10 - 7.44)	8.18 (7.35 - 9.06)	9.30 (8.26 - 10.40)	10.80 (9.38 - 12.30)	11.95 (10.16 - 13.87)	13.10 (10.84 - 15.56)	15.95 (12.28 - 20.09)
1	9	7.06 (6.45 - 7.73)	8.30 (7.54 - 9.12)	9.22 (8.32 - 10.19)	10.37 (9.21 - 11.62)	11.21 (9.75 - 12.71)	11.96 (10.18 - 13.74)	13.75 (11.06 - 16.40)
1	10	6.36 (5.81 - 6.92)	7.65 (6.94 - 8.38)	8.76 (7.87 - 9.67)	10.40 (9.19 - 11.69)	11.66 (10.07 - 13.35)	12.96 (10.92 - 15.16)	16.20 (12.63 - 20.04)

Table 6 Precipitation Frequency Estimates (in inches) with 90% Confidence Intervals (continued)

Storm Code	Section Code	Recurrence interval						
		2-year	5-year	10-year	25-year	50-year	100-year	500-year
2	1	4.35 (3.96 - 4.77)	5.51 (5.00 - 6.07)	6.46 (5.84 - 7.16)	7.88 (7.07 - 8.80)	8.96 (7.99 - 10.12)	10.20 (9.01 - 11.67)	13.33 (11.44 - 15.78)
2	2	4.42 (4.02 - 4.83)	5.63 (5.09 - 6.18)	6.68 (6.01 - 7.38)	8.16 (7.26 - 9.12)	9.39 (8.25 - 10.63)	10.66 (9.22 - 12.22)	13.81 (11.44 - 16.42)
2	3	4.51 (4.14 - 4.92)	5.66 (5.18 - 6.19)	6.62 (6.03 - 7.29)	7.94 (7.16 - 8.86)	8.93 (7.97 - 10.12)	9.83 (8.66 - 11.33)	11.99 (10.11 - 14.43)
2	4	4.27 (3.92 - 4.66)	5.42 (4.97 - 5.92)	6.42 (5.87 - 7.02)	7.75 (7.03 - 8.53)	8.72 (7.84 - 9.67)	9.6 (8.54 - 10.73)	11.54 (10.02 - 13.21)
2	5	4.34 (4.00 - 4.71)	5.43 (5.00 - 5.90)	6.41 (5.89 - 6.99)	7.73 (7.06 - 8.49)	8.79 (7.98 - 9.75)	9.8 (8.81 - 11.01)	11.93 (10.42 - 13.87)
2	6	4.49 (4.13 - 4.90)	5.60 (5.14 - 6.12)	6.49 (5.95 - 7.13)	7.77 (7.06 - 8.59)	8.69 (7.84 - 9.69)	9.57 (8.54 - 10.78)	11.53 (9.93 - 13.35)
2	7	5.00 (4.60 - 5.45)	6.11 (5.60 - 6.68)	7.01 (6.41 - 7.70)	8.23 (7.45 - 9.11)	9.11 (8.16 - 10.19)	9.95 (8.80 - 11.27)	11.71 (9.95 - 13.69)
2	8	5.31 (4.83 - 5.86)	6.51 (5.90 - 7.23)	7.47 (6.74 - 8.37)	8.79 (7.82 - 9.97)	9.81 (8.62 - 11.29)	10.84 (9.36 - 12.68)	13.45 (11.00 - 16.39)
2	9	5.73 (5.19 - 6.31)	6.78 (6.12 - 7.50)	7.60 (6.81 - 8.49)	8.64 (7.63 - 9.84)	9.47 (8.23 - 10.99)	10.20 (8.67 - 12.09)	11.97 (9.50 - 14.95)
2	10	5.18 (4.71 - 5.71)	6.30 (5.71 - 6.99)	7.29 (6.56 - 8.18)	8.69 (7.68 - 9.94)	9.78 (8.47 - 11.41)	10.91 (9.22 - 13.02)	13.84 (10.96 - 17.59)

Table 6 Precipitation Frequency Estimates (in inches) with 90% Confidence Intervals (continued)

Storm Code	Section Code	Recurrence interval						
		2-year	5-year	10-year	25-year	50-year	100-year	500-year
3	1	3.9 (3.52 - 4.28)	4.95 (4.47 - 5.46)	5.87 (5.28 - 6.52)	7.21 (6.46 - 8.12)	8.30 (7.39 - 9.46)	9.45 (8.33 - 10.91)	12.30 (10.56 - 14.76)
3	2	3.97 (3.60 - 4.36)	5.08 (4.59 - 5.60)	6.05 (5.44 - 6.71)	7.49 (6.69 - 8.39)	8.64 (7.66 - 9.78)	9.85 (8.63 - 11.29)	12.81 (10.82 - 15.18)
3	3	4.11 (3.77 - 4.50)	5.18 (4.74 - 5.71)	6.08 (5.53 - 6.76)	7.34 (6.61 - 8.27)	8.31 (7.39 - 9.50)	9.18 (8.05 - 10.70)	11.27 (9.42 - 13.83)
3	4	3.88 (3.55 - 4.25)	4.96 (4.53 - 5.45)	5.90 (5.37 - 6.51)	7.17 (6.48 - 7.98)	8.09 (7.25 - 9.09)	8.98 (7.97 - 10.21)	10.81 (9.30 - 12.69)
3	5	3.88 (3.57 - 4.19)	4.9 (4.50 - 5.32)	5.78 (5.30 - 6.32)	7.04 (6.42 - 7.77)	8.01 (7.24 - 8.94)	8.93 (7.98 - 10.10)	11 (9.56 - 12.94)
3	6	4.00 (3.65 - 4.38)	5.00 (4.55 - 5.49)	5.83 (5.28 - 6.44)	7.01 (6.28 - 7.81)	7.91 (7.01 - 8.91)	8.73 (7.64 - 9.96)	10.61 (8.93 - 12.54)
3	7	4.35 (3.99 - 4.74)	5.37 (4.91 - 5.87)	6.19 (5.65 - 6.80)	7.34 (6.65 - 8.14)	8.19 (7.34 - 9.16)	8.97 (7.94 - 10.13)	10.57 (9.02 - 12.32)
3	8	4.74 (4.31 - 5.23)	5.82 (5.27 - 6.45)	6.71 (6.04 - 7.48)	7.96 (7.07 - 8.94)	8.89 (7.78 - 10.10)	9.86 (8.47 - 11.35)	12.32 (10.09 - 14.72)
3	9	5.13 (4.66 - 5.65)	6.09 (5.51 - 6.74)	6.86 (6.17 - 7.65)	7.87 (6.95 - 8.89)	8.63 (7.49 - 9.87)	9.34 (7.95 - 10.87)	10.93 (8.80 - 13.29)
3	10	4.54 (4.09 - 5.01)	5.61 (5.04 - 6.23)	6.50 (5.80 - 7.27)	7.78 (6.86 - 8.83)	8.79 (7.62 - 10.16)	9.86 (8.38 - 11.63)	12.55 (10.05 - 15.65)

Table 6 Precipitation Frequency Estimates (in inches) with 90% Confidence Intervals (continued)

Storm Code	Section Code	Recurrence interval						
		2-year	5-year	10-year	25-year	50-year	100-year	500-year
4	1	3.61 (3.26 - 3.97)	4.59 (4.14 - 5.09)	5.43 (4.89 - 6.06)	6.72 (6.01 - 7.59)	7.73 (6.87 - 8.84)	8.83 (7.78 - 10.25)	11.53 (9.84 - 13.98)
4	2	3.66 (3.31 - 4.02)	4.71 (4.26 - 5.20)	5.62 (5.06 - 6.24)	6.99 (6.25 - 7.87)	8.13 (7.21 - 9.26)	9.28 (8.15 - 10.73)	12.10 (10.33 - 14.56)
4	3	3.76 (3.46 - 4.10)	4.76 (4.36 - 5.19)	5.62 (5.13 - 6.15)	6.81 (6.17 - 7.52)	7.72 (6.92 - 8.62)	8.6 (7.63 - 9.73)	10.58 (9.06 - 12.40)
4	4	3.59 (3.26 - 3.94)	4.61 (4.18 - 5.07)	5.47 (4.96 - 6.04)	6.65 (5.99 - 7.41)	7.55 (6.77 - 8.48)	8.40 (7.47 - 9.53)	10.21 (8.86 - 11.92)
4	5	3.54 (3.25 - 3.83)	4.49 (4.12 - 4.89)	5.32 (4.87 - 5.82)	6.48 (5.90 - 7.14)	7.38 (6.67 - 8.22)	8.27 (7.41 - 9.32)	10.26 (8.94 - 12.01)
4	6	3.66 (3.35 - 4.01)	4.61 (4.19 - 5.06)	5.38 (4.88 - 5.94)	6.48 (5.84 - 7.22)	7.33 (6.55 - 8.24)	8.11 (7.18 - 9.21)	9.93 (8.53 - 11.62)
4	7	3.92 (3.57 - 4.27)	4.85 (4.41 - 5.30)	5.61 (5.09 - 6.16)	6.67 (6.02 - 7.39)	7.46 (6.68 - 8.35)	8.21 (7.28 - 9.28)	9.76 (8.39 - 11.36)
4	8	4.28 (3.88 - 4.73)	5.29 (4.77 - 5.86)	6.1 (5.46 - 6.81)	7.25 (6.43 - 8.20)	8.15 (7.14 - 9.34)	9.08 (7.85 - 10.56)	11.4 (9.42 - 13.79)
4	9	4.64 (4.22 - 5.12)	5.54 (5.02 - 6.15)	6.27 (5.63 - 7.01)	7.24 (6.42 - 8.22)	7.94 (6.92 - 9.16)	8.58 (7.34 - 10.07)	10.06 (8.13 - 12.37)
4	10	4.06 (3.66 - 4.45)	5.02 (4.51 - 5.53)	5.86 (5.22 - 6.50)	7.04 (6.22 - 7.95)	8.01 (6.98 - 9.20)	9.02 (7.72 - 10.56)	11.56 (9.38 - 14.33)

Table 6 Precipitation Frequency Estimates (in inches) with 90% Confidence Intervals (continued)

Storm Code	Section Code	Recurrence interval						
		2-year	5-year	10-year	25-year	50-year	100-year	500-year
5	1	3.34 (3.00 - 3.69)	4.22 (3.79 - 4.68)	5.03 (4.50 - 5.61)	6.20 (5.51 - 6.99)	7.20 (6.34 - 8.21)	8.25 (7.20 - 9.54)	10.84 (9.16 - 13.00)
5	2	3.34 (3.00 - 3.69)	4.30 (3.85 - 4.77)	5.15 (4.60 - 5.73)	6.45 (5.71 - 7.26)	7.50 (6.59 - 8.55)	8.57 (7.46 - 9.93)	11.24 (9.48 - 13.63)
5	3	3.48 (3.19 - 3.79)	4.45 (4.07 - 4.86)	5.24 (4.79 - 5.74)	6.38 (5.81 - 7.05)	7.25 (6.56 - 8.09)	8.06 (7.23 - 9.07)	9.91 (8.61 - 11.47)
5	4	3.32 (3.01 - 3.65)	4.30 (3.89 - 4.74)	5.10 (4.61 - 5.64)	6.20 (5.58 - 6.91)	7.05 (6.31 - 7.93)	7.85 (6.99 - 8.92)	9.53 (8.31 - 11.16)
5	5	3.12 (2.86 - 3.38)	3.97 (3.64 - 4.31)	4.71 (4.30 - 5.15)	5.78 (5.25 - 6.38)	6.62 (5.97 - 7.39)	7.43 (6.63 - 8.41)	9.32 (8.08 - 10.96)
5	6	3.23 (2.95 - 3.54)	4.07 (3.71 - 4.47)	4.76 (4.32 - 5.26)	5.79 (5.21 - 6.45)	6.56 (5.85 - 7.37)	7.31 (6.45 - 8.30)	9.04 (7.73 - 10.59)
5	7	3.49 (3.18 - 3.80)	4.33 (3.93 - 4.74)	5.00 (4.53 - 5.50)	5.98 (5.39 - 6.64)	6.71 (6.00 - 7.54)	7.40 (6.54 - 8.42)	8.84 (7.58 - 10.44)
5	8	3.69 (3.36 - 4.04)	4.56 (4.15 - 5.01)	5.27 (4.78 - 5.82)	6.3 (5.67 - 7.03)	7.14 (6.37 - 8.03)	7.96 (7.03 - 9.05)	10.06 (8.60 - 11.78)
5	9	4.07 (3.71 - 4.44)	4.89 (4.45 - 5.35)	5.55 (5.03 - 6.10)	6.42 (5.79 - 7.12)	7.06 (6.32 - 7.91)	7.68 (6.80 - 8.70)	8.99 (7.73 - 10.51)
5	10	3.63 (3.29 - 4.00)	4.52 (4.08 - 5.01)	5.28 (4.73 - 5.88)	6.38 (5.66 - 7.21)	7.29 (6.36 - 8.36)	8.23 (7.07 - 9.59)	10.57 (8.67 - 13.03)

Table 6 Precipitation Frequency Estimates (in inches) with 90% Confidence Intervals (continued)

Storm Code	Section Code	Recurrence interval						
		2-year	5-year	10-year	25-year	50-year	100-year	500-year
6	1	3.14 (2.82 - 3.47)	3.97 (3.56 - 4.40)	4.73 (4.23 - 5.28)	5.83 (5.18 - 6.57)	6.77 (5.96 - 7.71)	7.75 (6.77 - 8.96)	10.19 (8.61 - 12.22)
6	2	3.14 (2.82 - 3.47)	4.04 (3.62 - 4.48)	4.84 (4.32 - 5.39)	6.06 (5.37 - 6.82)	7.05 (6.19 - 8.03)	8.06 (7.01 - 9.33)	10.57 (8.91 - 12.81)
6	3	3.27 (3.00 - 3.57)	4.18 (3.83 - 4.57)	4.93 (4.50 - 5.40)	6.00 (5.46 - 6.62)	6.82 (6.16 - 7.60)	7.58 (6.80 - 8.53)	9.32 (8.09 - 10.78)
6	4	3.12 (2.83 - 3.43)	4.04 (3.66 - 4.46)	4.79 (4.34 - 5.31)	5.83 (5.24 - 6.50)	6.63 (5.93 - 7.46)	7.38 (6.57 - 8.39)	8.96 (7.81 - 10.49)
6	5	2.93 (2.69 - 3.18)	3.73 (3.42 - 4.06)	4.43 (4.04 - 4.84)	5.43 (4.94 - 6.00)	6.22 (5.61 - 6.94)	6.98 (6.23 - 7.90)	8.76 (7.59 - 10.30)
6	6	3.04 (2.77 - 3.32)	3.83 (3.48 - 4.20)	4.47 (4.06 - 4.94)	5.44 (4.90 - 6.06)	6.17 (5.50 - 6.93)	6.87 (6.06 - 7.81)	8.50 (7.26 - 9.95)
6	7	3.28 (2.99 - 3.57)	4.07 (3.70 - 4.45)	4.70 (4.26 - 5.17)	5.62 (5.07 - 6.25)	6.31 (5.64 - 7.09)	6.96 (6.15 - 7.91)	8.31 (7.13 - 9.81)
6	8	3.47 (3.16 - 3.80)	4.29 (3.90 - 4.71)	4.95 (4.49 - 5.47)	5.92 (5.33 - 6.60)	6.71 (5.99 - 7.55)	7.48 (6.61 - 8.51)	9.45 (8.08 - 11.07)
6	9	3.83 (3.49 - 4.17)	4.6 (4.19 - 5.03)	5.22 (4.73 - 5.74)	6.03 (5.44 - 6.70)	6.64 (5.94 - 7.43)	7.22 (6.39 - 8.18)	8.45 (7.26 - 9.88)
6	10	3.41 (3.10 - 3.76)	4.25 (3.83 - 4.71)	4.96 (4.45 - 5.53)	6 (5.32 - 6.78)	6.85 (5.98 - 7.86)	7.73 (6.64 - 9.02)	9.93 (8.15 - 12.25)

Table 6 Precipitation Frequency Estimates (in inches) with 90% Confidence Intervals (continued)

Storm Code	Section Code	Recurrence interval						
		2-year	5-year	10-year	25-year	50-year	100-year	500-year
7	1	2.91 (2.61 - 3.21)	3.67 (3.29 - 4.07)	4.38 (3.92 - 4.88)	5.40 (4.80 - 6.08)	6.26 (5.52 - 7.14)	7.18 (6.26 - 8.30)	9.43 (7.97 - 11.31)
7	2	2.91 (2.61 - 3.21)	3.74 (3.35 - 4.15)	4.48 (4.00 - 4.99)	5.61 (4.97 - 6.32)	6.53 (5.73 - 7.44)	7.46 (6.49 - 8.64)	9.78 (8.25 - 11.86)
7	3	3.03 (2.78 - 3.30)	3.87 (3.54 - 4.23)	4.56 (4.17 - 5.00)	5.55 (5.05 - 6.13)	6.31 (5.70 - 7.03)	7.01 (6.29 - 7.89)	8.62 (7.49 - 9.98)
7	4	2.89 (2.62 - 3.18)	3.74 (3.39 - 4.13)	4.44 (4.01 - 4.91)	5.39 (4.85 - 6.01)	6.13 (5.49 - 6.90)	6.83 (6.08 - 7.76)	8.29 (7.23 - 9.71)
7	5	2.71 (2.49 - 2.94)	3.45 (3.16 - 3.75)	4.10 (3.74 - 4.48)	5.03 (4.57 - 5.55)	5.76 (5.19 - 6.43)	6.46 (5.77 - 7.32)	8.11 (7.03 - 9.53)
7	6	2.81 (2.56 - 3.08)	3.54 (3.23 - 3.89)	4.14 (3.76 - 4.57)	5.04 (4.53 - 5.61)	5.71 (5.09 - 6.41)	6.36 (5.61 - 7.23)	7.86 (6.72 - 9.21)
7	7	3.04 (2.76 - 3.31)	3.77 (3.42 - 4.12)	4.35 (3.94 - 4.79)	5.2 (4.69 - 5.78)	5.84 (5.22 - 6.56)	6.44 (5.69 - 7.32)	7.69 (6.60 - 9.08)
7	8	3.21 (2.93 - 3.51)	3.97 (3.61 - 4.36)	4.58 (4.16 - 5.06)	5.48 (4.93 - 6.11)	6.21 (5.54 - 6.99)	6.93 (6.11 - 7.88)	8.75 (7.48 - 10.25)
7	9	3.54 (3.23 - 3.86)	4.25 (3.87 - 4.66)	4.83 (4.38 - 5.31)	5.59 (5.03 - 6.20)	6.14 (5.50 - 6.88)	6.69 (5.91 - 7.57)	7.82 (6.72 - 9.14)
7	10	3.16 (2.86 - 3.48)	3.93 (3.55 - 4.36)	4.59 (4.12 - 5.12)	5.55 (4.92 - 6.27)	6.34 (5.54 - 7.27)	7.16 (6.15 - 8.35)	9.19 (7.55 - 11.34)

Table 6 Precipitation Frequency Estimates (in inches) with 90% Confidence Intervals (continued)

Storm Code	Section Code	Recurrence interval						
		2-year	5-year	10-year	25-year	50-year	100-year	500-year
8	1	2.51 (2.25 - 2.77)	3.17 (2.84 - 3.51)	3.77 (3.38 - 4.21)	4.65 (4.14 - 5.24)	5.4 (4.76 - 6.15)	6.19 (5.40 - 7.15)	8.13 (6.87 - 9.75)
8	2	2.51 (2.25 - 2.77)	3.23 (2.89 - 3.57)	3.86 (3.45 - 4.30)	4.84 (4.28 - 5.45)	5.63 (4.94 - 6.41)	6.43 (5.60 - 7.44)	8.43 (7.11 - 10.22)
8	3	2.61 (2.39 - 2.85)	3.34 (3.06 - 3.65)	3.93 (3.59 - 4.31)	4.79 (4.36 - 5.29)	5.44 (4.92 - 6.06)	6.05 (5.42 - 6.81)	7.43 (6.46 - 8.60)
8	4	2.49 (2.26 - 2.74)	3.23 (2.92 - 3.56)	3.83 (3.46 - 4.23)	4.65 (4.18 - 5.18)	5.29 (4.74 - 5.95)	5.89 (5.24 - 6.69)	7.15 (6.23 - 8.37)
8	5	2.34 (2.15 - 2.54)	2.98 (2.73 - 3.24)	3.53 (3.23 - 3.86)	4.34 (3.94 - 4.78)	4.97 (4.47 - 5.54)	5.57 (4.97 - 6.31)	6.99 (6.06 - 8.22)
8	6	2.42 (2.21 - 2.65)	3.05 (2.78 - 3.35)	3.57 (3.24 - 3.94)	4.34 (3.91 - 4.83)	4.92 (4.39 - 5.53)	5.48 (4.84 - 6.23)	6.78 (5.80 - 7.94)
8	7	2.62 (2.38 - 2.85)	3.25 (2.95 - 3.55)	3.75 (3.40 - 4.13)	4.49 (4.04 - 4.98)	5.03 (4.50 - 5.66)	5.55 (4.91 - 6.31)	6.63 (5.69 - 7.83)
8	8	2.77 (2.52 - 3.03)	3.42 (3.11 - 3.76)	3.95 (3.59 - 4.37)	4.73 (4.25 - 5.27)	5.36 (4.78 - 6.02)	5.97 (5.27 - 6.79)	7.54 (6.45 - 8.83)
8	9	3.05 (2.78 - 3.33)	3.67 (3.34 - 4.02)	4.16 (3.78 - 4.58)	4.82 (4.34 - 5.34)	5.3 (4.74 - 5.93)	5.76 (5.10 - 6.53)	6.74 (5.79 - 7.88)
8	10	2.72 (2.47 - 3.00)	3.39 (3.06 - 3.76)	3.96 (3.55 - 4.41)	4.79 (4.24 - 5.41)	5.47 (4.77 - 6.27)	6.17 (5.30 - 7.20)	7.92 (6.51 - 9.77)

Table 6 Precipitation Frequency Estimates (in inches) with 90% Confidence Intervals (continued)

Storm Code	Section Code	Recurrence interval						
		2-year	5-year	10-year	25-year	50-year	100-year	500-year
9	1	2.14 (1.92 - 2.36)	2.7 (2.42 - 3.00)	3.22 (2.88 - 3.59)	3.97 (3.53 - 4.48)	4.61 (4.06 - 5.25)	5.28 (4.61 - 6.10)	6.94 (5.86 - 8.32)
9	2	2.14 (1.92 - 2.36)	2.75 (2.46 - 3.05)	3.30 (2.94 - 3.67)	4.13 (3.66 - 4.65)	4.80 (4.22 - 5.47)	5.49 (4.78 - 6.35)	7.20 (6.07 - 8.72)
9	3	2.23 (2.04 - 2.43)	2.85 (2.61 - 3.11)	3.35 (3.07 - 3.68)	4.08 (3.72 - 4.51)	4.64 (4.20 - 5.17)	5.16 (4.63 - 5.81)	6.34 (5.51 - 7.34)
9	4	2.12 (1.93 - 2.34)	2.75 (2.49 - 3.04)	3.26 (2.95 - 3.61)	3.97 (3.57 - 4.42)	4.51 (4.04 - 5.08)	5.02 (4.47 - 5.71)	6.1 (5.32 - 7.14)
9	5	2.00 (1.83 - 2.16)	2.54 (2.33 - 2.76)	3.01 (2.75 - 3.29)	3.70 (3.36 - 4.08)	4.24 (3.82 - 4.73)	4.76 (4.24 - 5.38)	5.97 (5.17 - 7.01)
9	6	2.07 (1.89 - 2.26)	2.60 (2.37 - 2.86)	3.05 (2.76 - 3.36)	3.71 (3.33 - 4.12)	4.20 (3.74 - 4.72)	4.68 (4.13 - 5.32)	5.79 (4.95 - 6.78)
9	7	2.23 (2.03 - 2.43)	2.77 (2.52 - 3.03)	3.20 (2.90 - 3.52)	3.83 (3.45 - 4.25)	4.29 (3.84 - 4.83)	4.74 (4.19 - 5.39)	5.66 (4.85 - 6.68)
9	8	2.36 (2.15 - 2.58)	2.92 (2.65 - 3.21)	3.37 (3.06 - 3.73)	4.03 (3.63 - 4.50)	4.57 (4.08 - 5.14)	5.09 (4.50 - 5.79)	6.44 (5.50 - 7.54)
9	9	2.60 (2.38 - 2.84)	3.13 (2.85 - 3.43)	3.55 (3.22 - 3.91)	4.11 (3.70 - 4.56)	4.52 (4.04 - 5.06)	4.92 (4.35 - 5.57)	5.75 (4.95 - 6.73)
9	10	2.32 (2.11 - 2.56)	2.89 (2.61 - 3.21)	3.38 (3.03 - 3.77)	4.09 (3.62 - 4.62)	4.66 (4.07 - 5.35)	5.26 (4.52 - 6.14)	6.76 (5.55 - 8.34)

Table 6 Precipitation Frequency Estimates (in inches) with 90% Confidence Intervals (continued)

Storm Code	Section Code	Recurrence interval						
		2-year	5-year	10-year	25-year	50-year	100-year	500-year
10	1	1.94 (1.74 - 2.14)	2.45 (2.20 - 2.72)	2.92 (2.61 - 3.26)	3.60 (3.20 - 4.06)	4.17 (3.68 - 4.76)	4.78 (4.17 - 5.53)	6.29 (5.31 - 7.54)
10	2	1.94 (1.74 - 2.14)	2.49 (2.23 - 2.76)	2.99 (2.67 - 3.32)	3.74 (3.31 - 4.21)	4.35 (3.82 - 4.96)	4.97 (4.33 - 5.76)	6.52 (5.50 - 7.90)
10	3	2.02 (1.85 - 2.20)	2.58 (2.36 - 2.82)	3.04 (2.78 - 3.33)	3.70 (3.37 - 4.09)	4.21 (3.80 - 4.69)	4.67 (4.19 - 5.26)	5.75 (4.99 - 6.65)
10	4	1.93 (1.74 - 2.12)	2.49 (2.26 - 2.75)	2.96 (2.68 - 3.27)	3.60 (3.24 - 4.01)	4.09 (3.66 - 4.60)	4.55 (4.05 - 5.17)	5.53 (4.82 - 6.47)
10	5	1.81 (1.66 - 1.96)	2.30 (2.11 - 2.50)	2.73 (2.50 - 2.99)	3.35 (3.05 - 3.70)	3.84 (3.46 - 4.29)	4.31 (3.85 - 4.88)	5.41 (4.69 - 6.35)
10	6	1.87 (1.71 - 2.05)	2.36 (2.15 - 2.59)	2.76 (2.50 - 3.05)	3.36 (3.02 - 3.74)	3.80 (3.39 - 4.28)	4.24 (3.74 - 4.82)	5.24 (4.48 - 6.14)
10	7	2.02 (1.84 - 2.21)	2.51 (2.28 - 2.75)	2.90 (2.63 - 3.19)	3.47 (3.13 - 3.85)	3.89 (3.48 - 4.37)	4.29 (3.79 - 4.88)	5.13 (4.40 - 6.05)
10	8	2.14 (1.95 - 2.34)	2.64 (2.41 - 2.91)	3.06 (2.77 - 3.38)	3.65 (3.29 - 4.08)	4.14 (3.69 - 4.66)	4.62 (4.08 - 5.25)	5.83 (4.99 - 6.83)
10	9	2.36 (2.15 - 2.58)	2.84 (2.58 - 3.11)	3.22 (2.92 - 3.54)	3.72 (3.36 - 4.13)	4.09 (3.66 - 4.59)	4.46 (3.94 - 5.05)	5.21 (4.48 - 6.10)
10	10	2.1 (1.91 - 2.32)	2.62 (2.37 - 2.91)	3.06 (2.74 - 3.41)	3.7 (3.28 - 4.18)	4.23 (3.69 - 4.85)	4.77 (4.10 - 5.56)	6.13 (5.03 - 7.56)

Table 6 Precipitation Frequency Estimates (in inches) with 90% Confidence Intervals (continued)

Storm Code	Section Code	Recurrence interval						
		2-year	5-year	10-year	25-year	50-year	100-year	500-year
11	1	1.57 (1.41 - 1.74)	1.98 (1.78 - 2.20)	2.36 (2.12 - 2.64)	2.92 (2.59 - 3.29)	3.38 (2.98 - 3.86)	3.88 (3.38 - 4.48)	5.09 (4.30 - 6.11)
11	2	1.57 (1.41 - 1.73)	2.02 (1.81 - 2.24)	2.42 (2.16 - 2.69)	3.03 (2.69 - 3.41)	3.53 (3.10 - 4.02)	4.03 (3.51 - 4.67)	5.28 (4.46 - 6.40)
11	3	1.64 (1.50 - 1.78)	2.09 (1.91 - 2.29)	2.46 (2.25 - 2.70)	3.00 (2.73 - 3.31)	3.41 (3.08 - 3.80)	3.79 (3.40 - 4.26)	4.66 (4.05 - 5.39)
11	4	1.56 (1.41 - 1.72)	2.02 (1.83 - 2.23)	2.4 (2.17 - 2.65)	2.91 (2.62 - 3.25)	3.31 (2.97 - 3.73)	3.69 (3.28 - 4.19)	4.48 (3.91 - 5.24)
11	5	1.47 (1.35 - 1.59)	1.87 (1.71 - 2.03)	2.21 (2.02 - 2.42)	2.72 (2.47 - 3.00)	3.11 (2.80 - 3.47)	3.49 (3.12 - 3.95)	4.38 (3.80 - 5.15)
11	6	1.52 (1.38 - 1.66)	1.91 (1.74 - 2.10)	2.24 (2.03 - 2.47)	2.72 (2.45 - 3.03)	3.08 (2.75 - 3.46)	3.44 (3.03 - 3.90)	4.25 (3.63 - 4.98)
11	7	1.64 (1.49 - 1.79)	2.04 (1.85 - 2.23)	2.35 (2.13 - 2.59)	2.81 (2.53 - 3.12)	3.15 (2.82 - 3.54)	3.48 (3.07 - 3.96)	4.15 (3.56 - 4.91)
11	8	1.73 (1.58 - 1.90)	2.14 (1.95 - 2.36)	2.48 (2.25 - 2.74)	2.96 (2.66 - 3.30)	3.36 (2.99 - 3.77)	3.74 (3.30 - 4.26)	4.73 (4.04 - 5.54)
11	9	1.91 (1.75 - 2.09)	2.3 (2.09 - 2.52)	2.61 (2.37 - 2.87)	3.02 (2.72 - 3.35)	3.32 (2.97 - 3.72)	3.61 (3.19 - 4.09)	4.23 (3.63 - 4.94)
11	10	1.71 (1.55 - 1.88)	2.12 (1.92 - 2.35)	2.48 (2.22 - 2.77)	3.00 (2.66 - 3.39)	3.43 (2.99 - 3.93)	3.87 (3.32 - 4.51)	4.97 (4.08 - 6.13)

Comparisons with Existing Sources

The frequency analysis in this study was compared with Bulletin 70 (Huff and Angel, 1989) and NOAA Atlas 14 (Bonnin et al., 2006). Study results were formatted similar to those of Bulletin 70, and the comparisons were made for each section, as shown in Figures 13–23. Similar comparisons with Atlas 14 were not possible, however, because Atlas 14 did not provide values for the sections defined in Bulletin 70. Instead, the frequency estimates for each county (represented by its centroid) in a section were averaged and compared with the results for the same section in this study, meaning that some additional uncertainty was introduced. Nonetheless, this comparison still provides usable information on general trends. The comparisons between the new frequency analyses (updated Bulletin 70) and Atlas 14 are presented in Figures 24–33.

Bulletin 70, NOAA Atlas 14, and this study have numerous differences, such as the selection of gages, periods of record, data processing, methods used for frequency analysis, and methods for trend adjustment. Despite these differences, comparisons made with the existing studies (spanning 30 years) still provide a general idea about the changes in precipitation frequency with time.

Final Remarks

This study used updated data through 2017 and techniques (L-Moments) to provide an update to the original Bulletin 70, published in 1989. Compared with the original Bulletin 70 (Huff and Angel, 1989), the results of this study generally show increasing precipitation amounts at selected frequencies for most of the sections with some relatively smaller decreases in the southern and western sections of Illinois. The present study shows consistent increases compared with NOAA Atlas 14 (Bonnin et al., 2006) and better reflects the current risk of heavier precipitation events.

The changing climate of heavy precipitation observed in Illinois and the Midwest presents a significant challenge for storm water management. The observed increases noted in this report, along with the expectation of continued increases over the 21st Century (Easterling et al. 2017), will necessitate more frequent assessments of precipitation frequency, as suggested by Winters et al. (2015). To help plan for future climate change, this analysis, representing the present time, should be accompanied with frequency analysis of climate model-generated data for future time horizons (Markus et al., 2017, 2018).

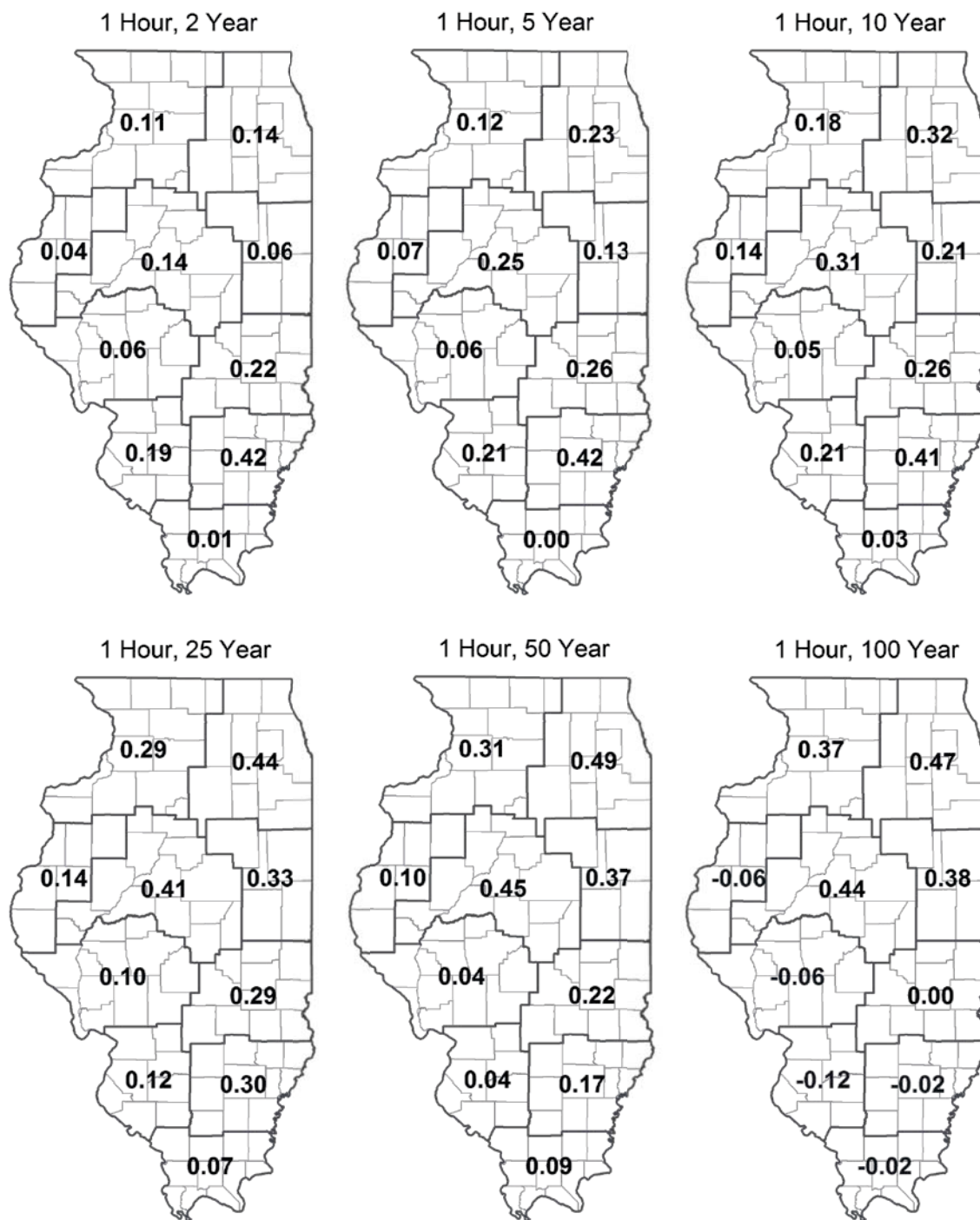


Figure 13 Differences in inches between this study and Bulletin 70 for a 1-hour duration and 2-, 5-, 10-, 25-, 50-, and 100-year frequencies for 10 sections in Illinois. Positive numbers denote an increase and negative numbers show a decrease compared with Bulletin 70.

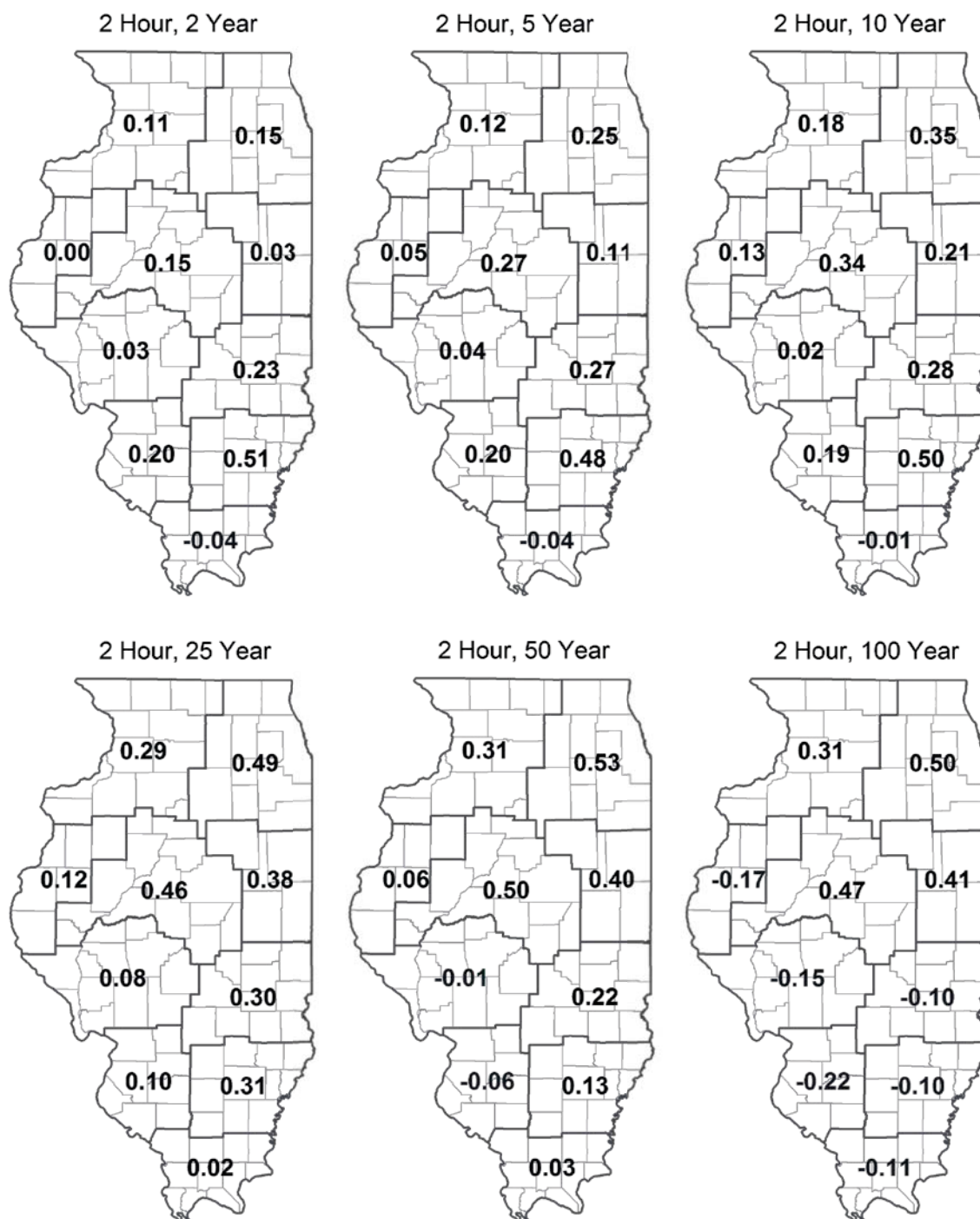


Figure 14 Differences in inches between this study and Bulletin 70 for a 2-hour duration and 2-, 5-, 10-, 25-, 50-, and 100-year frequencies for 10 sections in Illinois. Positive numbers denote an increase and negative numbers show a decrease compared with Bulletin 70.

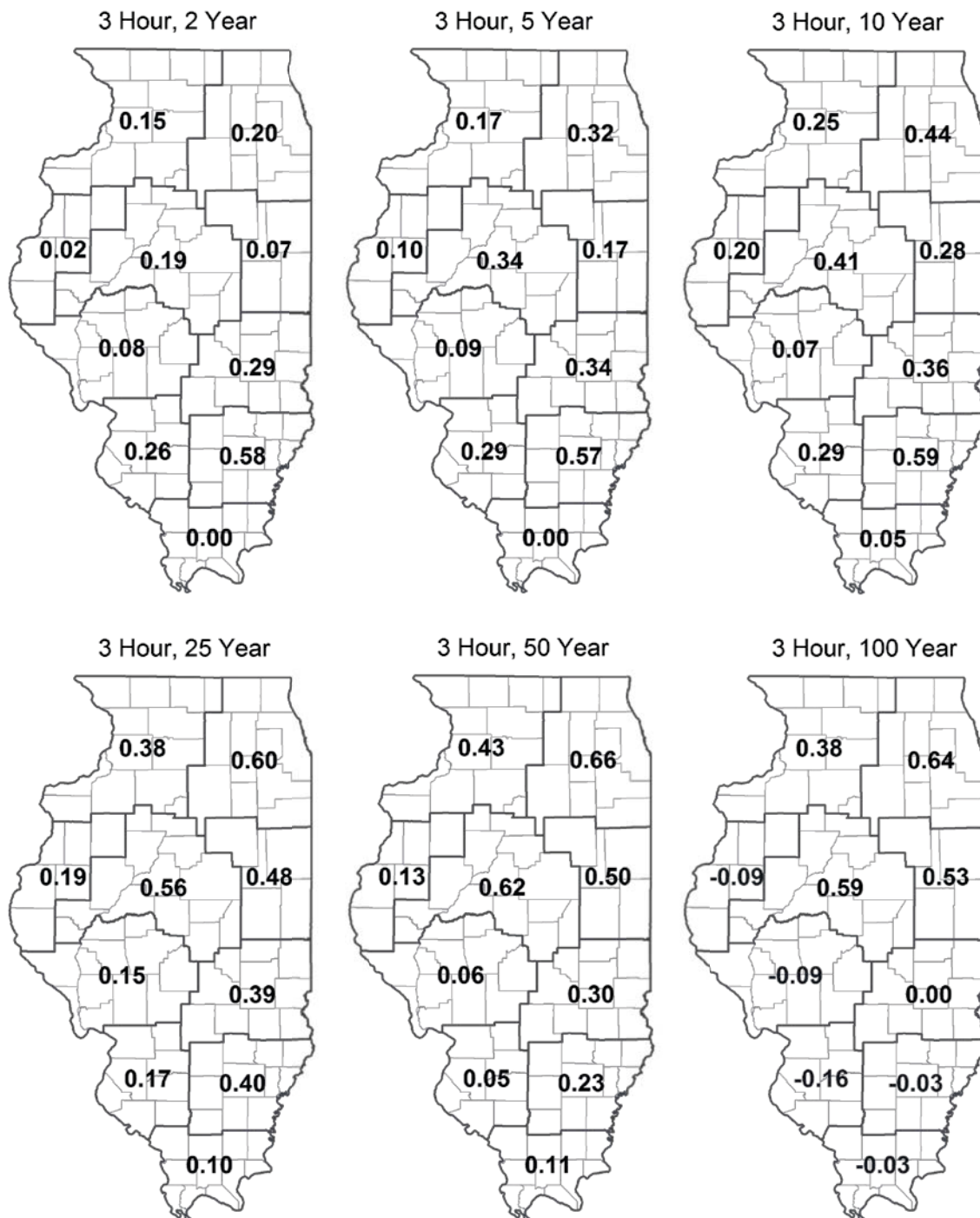


Figure 15 Differences in inches between this study and Bulletin 70 for a 3-hour duration and 2-, 5-, 10-, 25-, 50-, and 100-year frequencies for 10 sections in Illinois. Positive numbers denote an increase and negative numbers show a decrease compared with Bulletin 70.

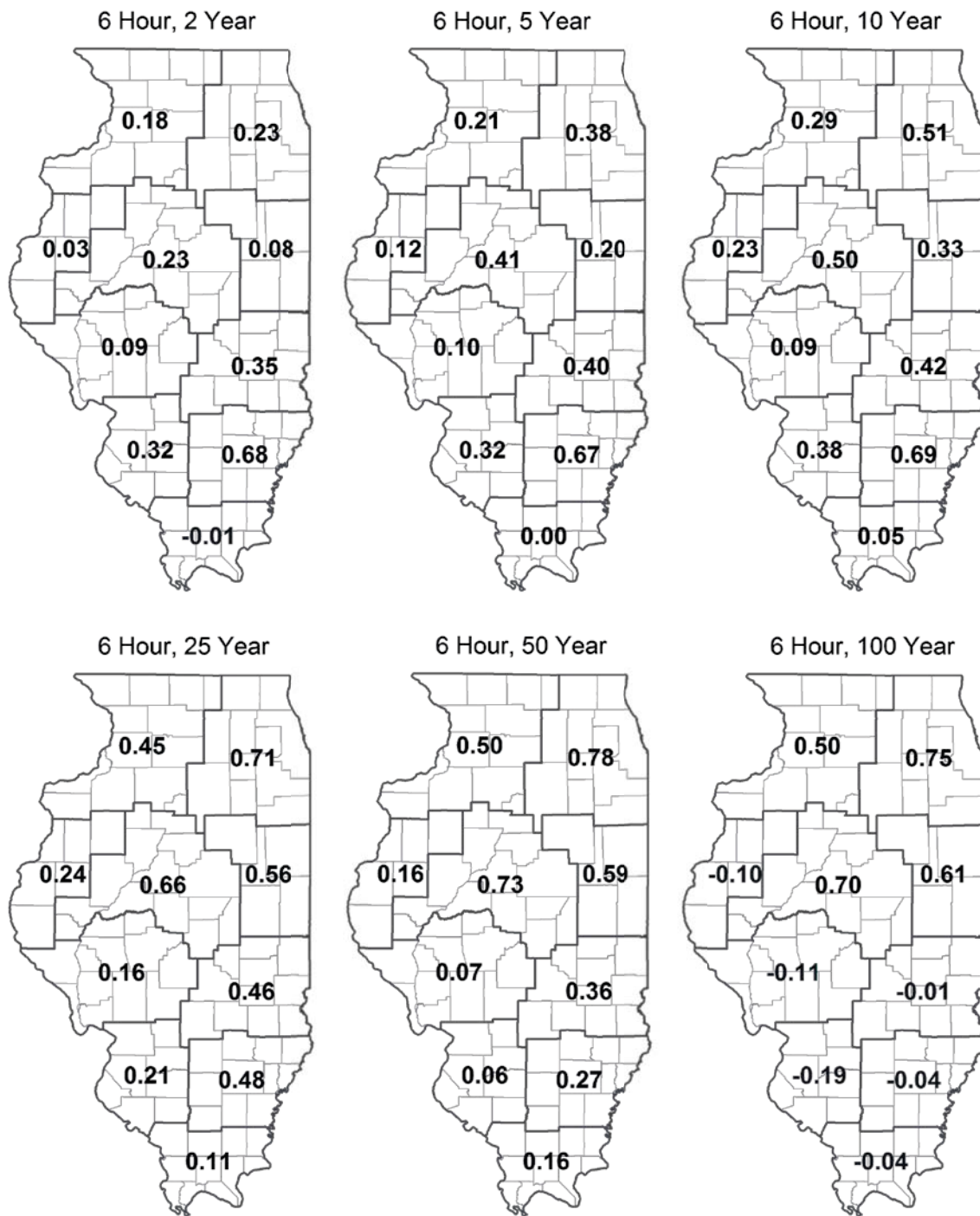


Figure 16 Differences in inches between this study and Bulletin 70 for a 6-hour duration and 2-, 5-, 10-, 25-, 50-, and 100-year frequencies for 10 sections in Illinois. Positive numbers denote an increase and negative numbers show a decrease compared with Bulletin 70.

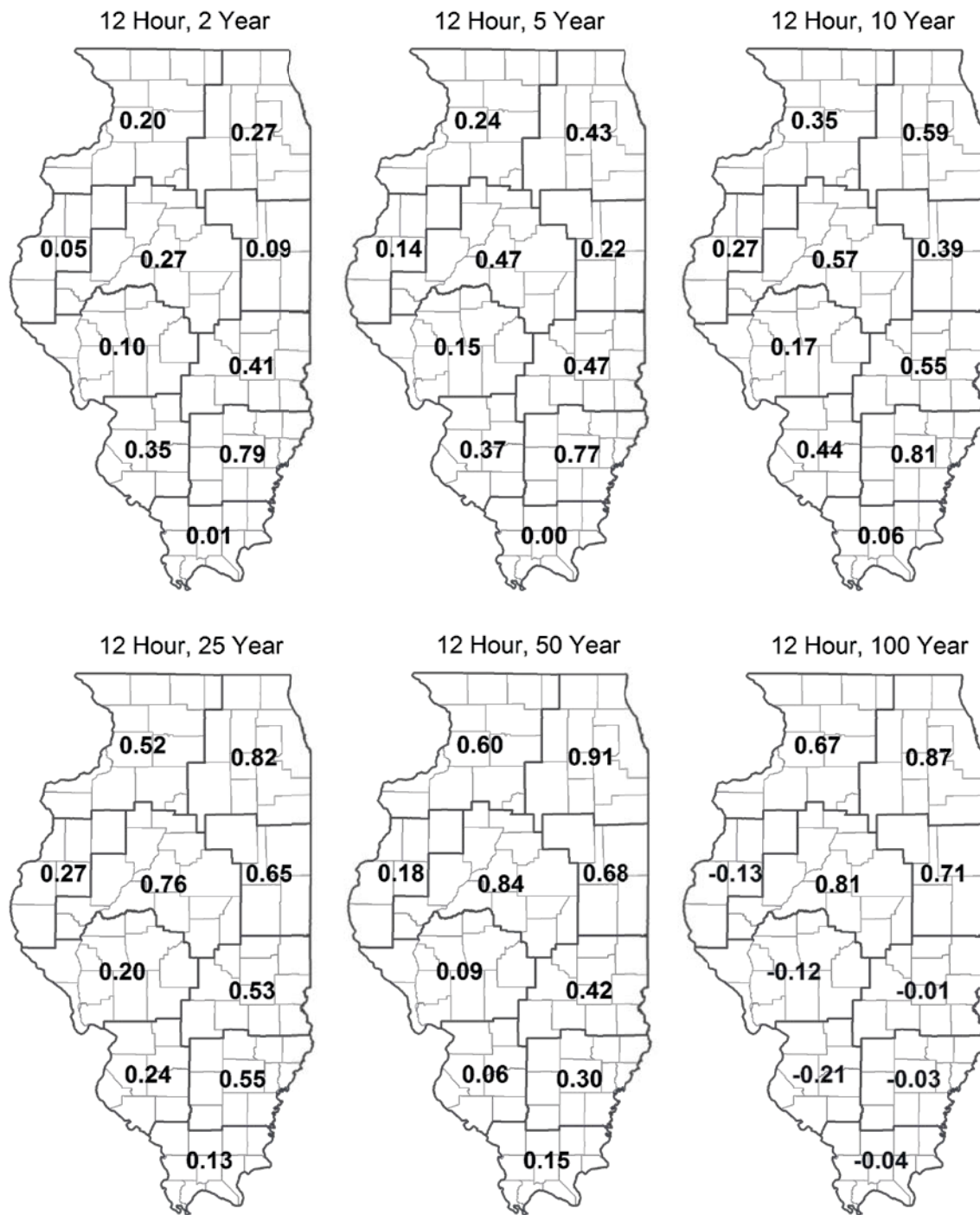


Figure 17 Differences in inches between this study and Bulletin 70 for a 12-hour duration and 2-, 5-, 10-, 25-, 50-, and 100-year frequencies for 10 sections in Illinois. Positive numbers denote an increase and negative numbers show a decrease compared with Bulletin 70.

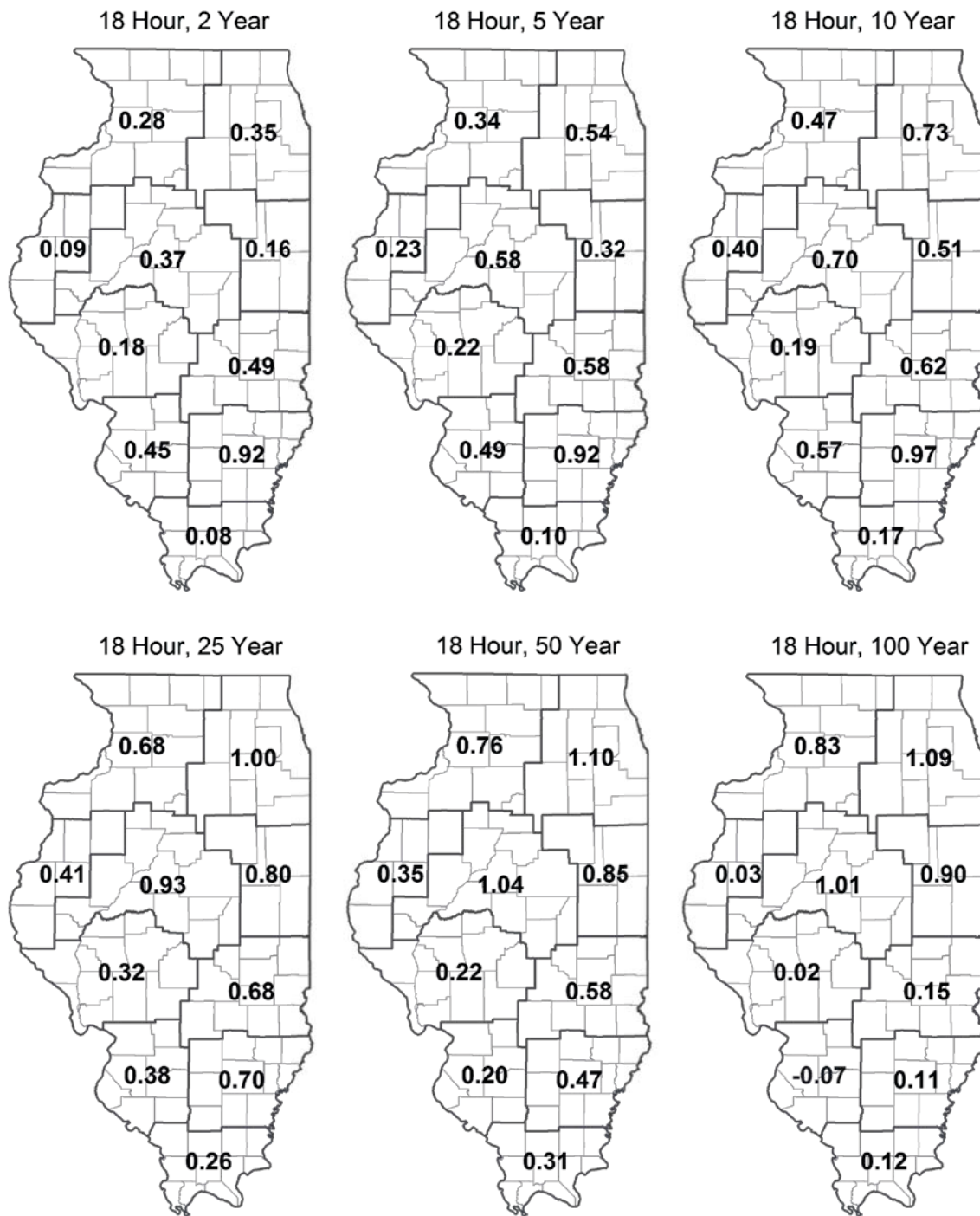


Figure 18 Differences in inches between this study and Bulletin 70 for an 18-hour duration and 2-, 5-, 10-, 25-, 50-, and 100-year frequencies for 10 sections in Illinois. Positive numbers denote an increase and negative numbers show a decrease compared with Bulletin 70.

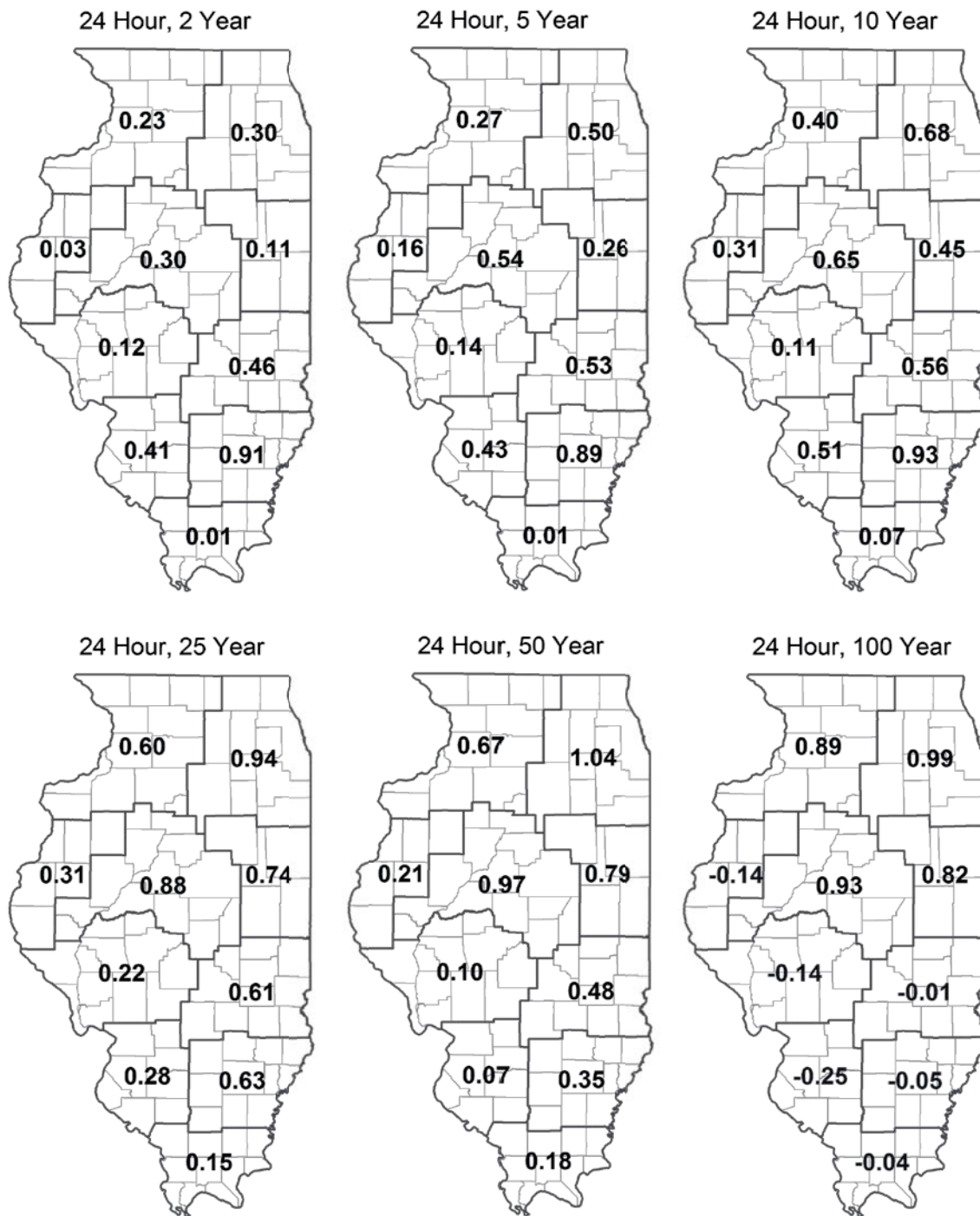


Figure 19 Differences in inches between this study and Bulletin 70 for a 24-hour duration and 2-, 5-, 10-, 25-, 50-, and 100-year frequencies for 10 sections in Illinois. Positive numbers denote an increase and negative numbers show a decrease compared with Bulletin 70.

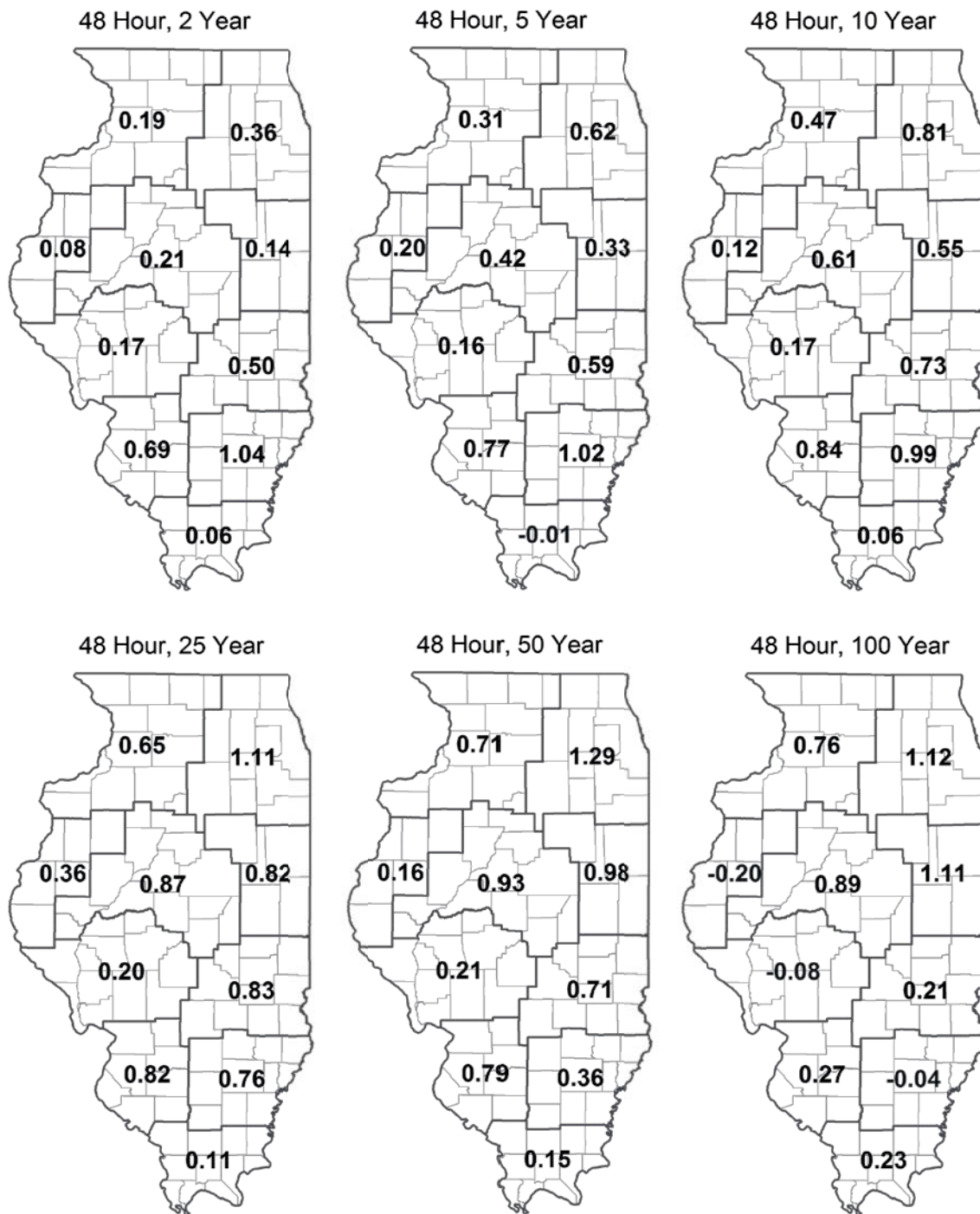


Figure 20 Differences in inches between this study and Bulletin 70 for a 48-hour duration and 2-, 5-, 10-, 25-, 50-, and 100-year frequencies for 10 sections in Illinois. Positive numbers denote an increase and negative numbers show a decrease compared with Bulletin 70.

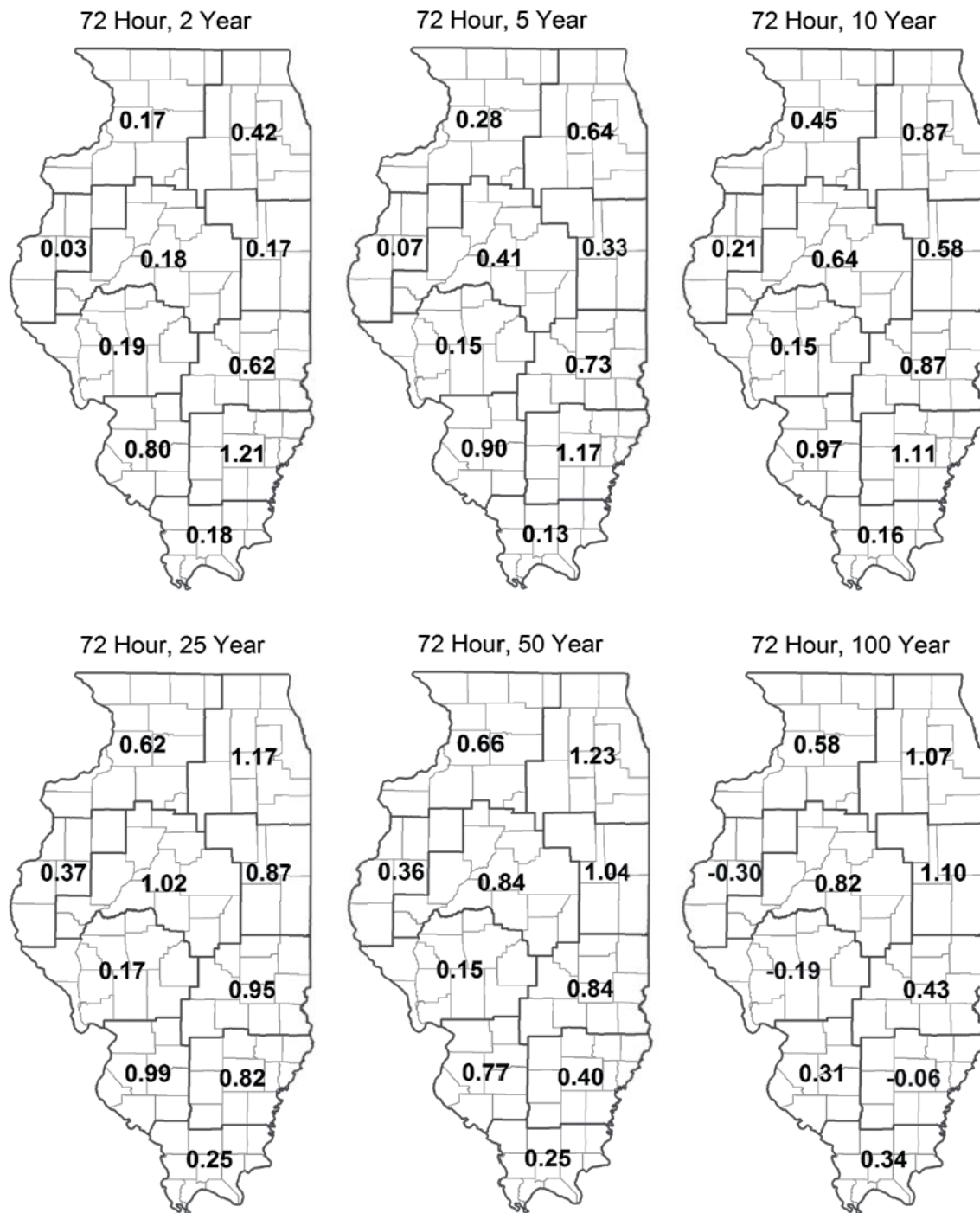


Figure 21 Differences in inches between this study and Bulletin 70 for a 72-hour duration and 2-, 5-, 10-, 25-, 50-, and 100-year frequencies for 10 sections in Illinois. Positive numbers denote an increase and negative numbers show a decrease compared with Bulletin 70.

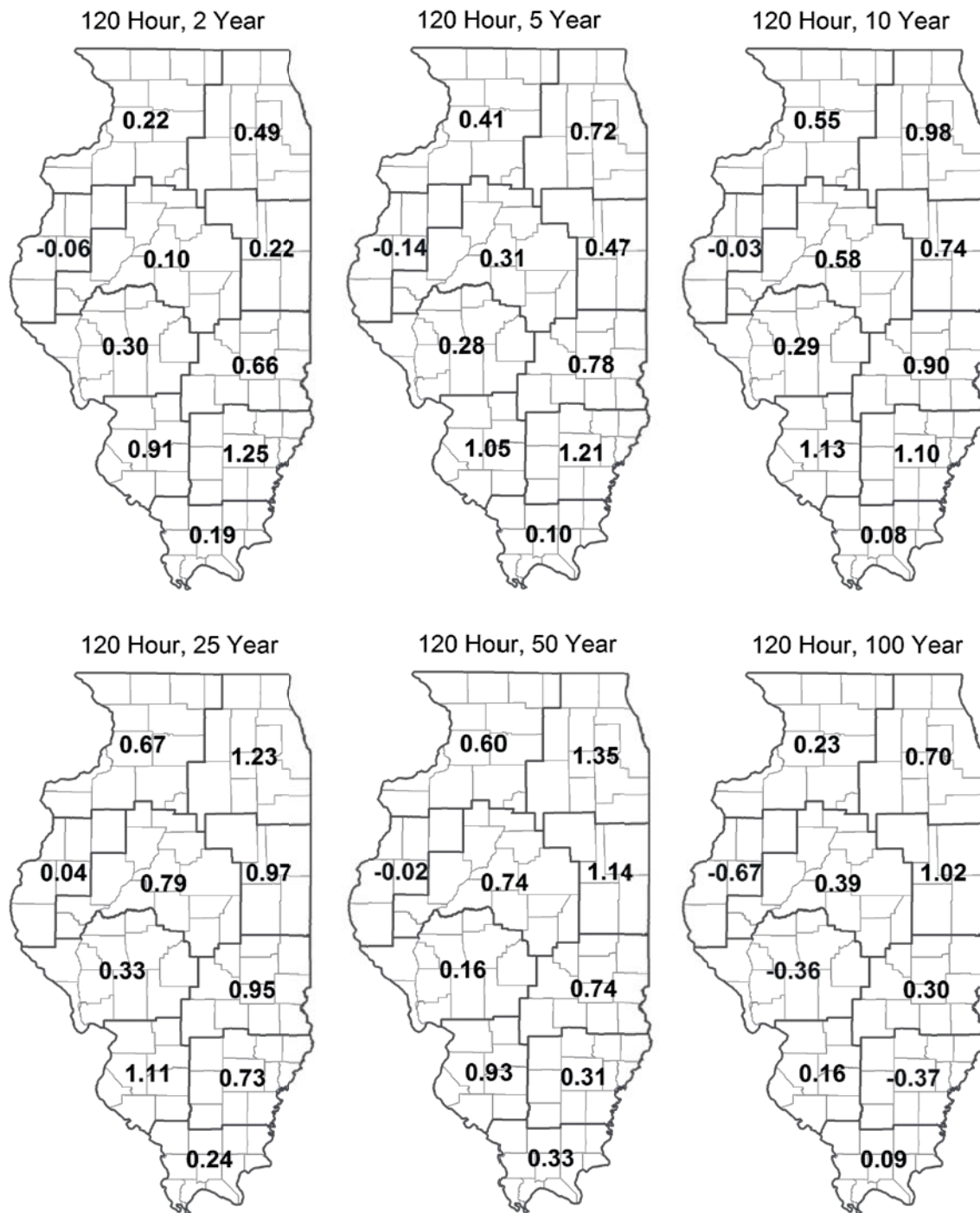


Figure 22 Differences in inches between this study and Bulletin 70 for a 120-hour duration and 2-, 5-, 10-, 25-, 50-, and 100-year frequencies for 10 sections in Illinois. Positive numbers denote an increase and negative numbers show a decrease compared with Bulletin 70.

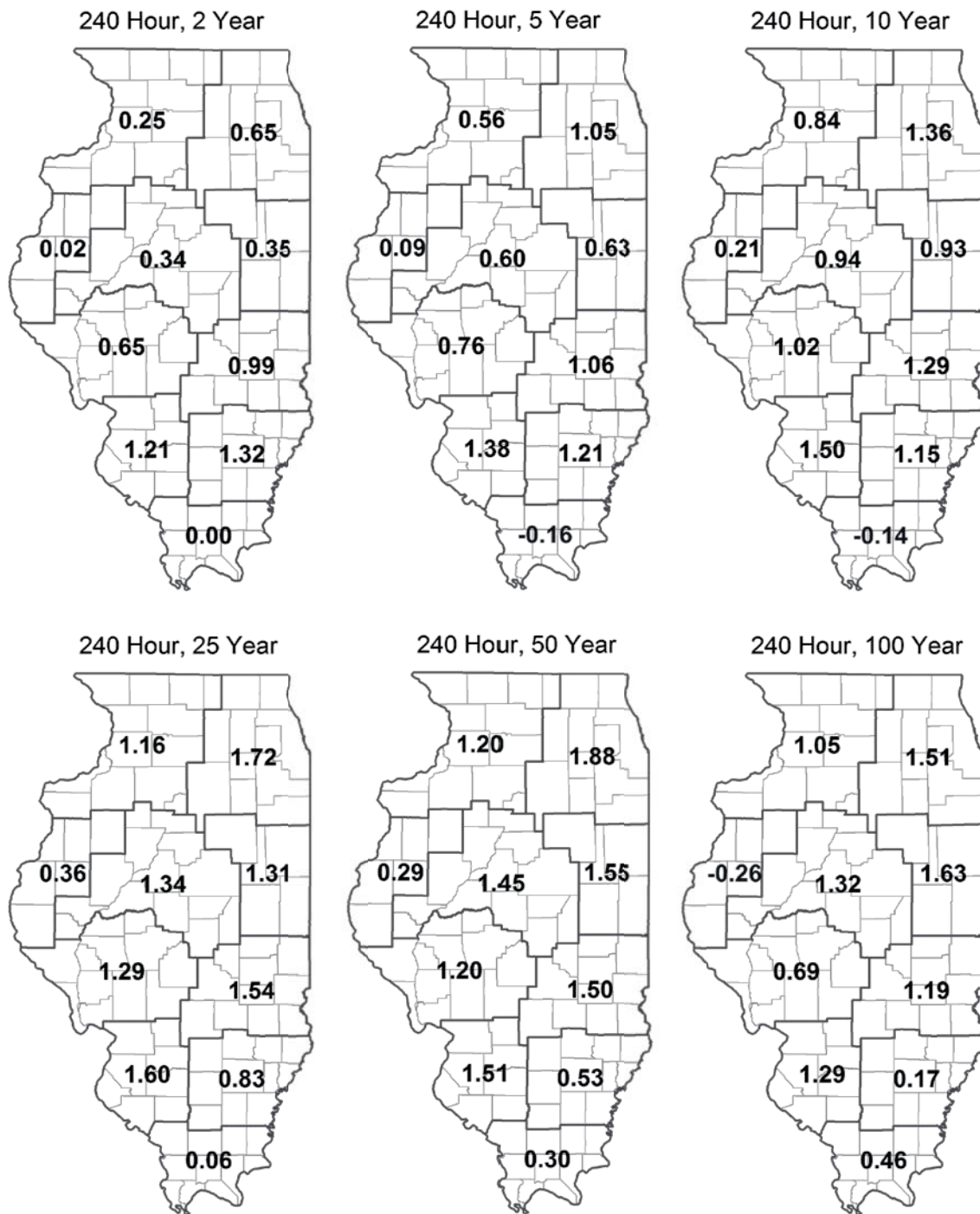


Figure 23 Differences in inches between this study and Bulletin 70 for a 240-hour duration and 2-, 5-, 10-, 25-, 50-, and 100-year frequencies for 10 sections in Illinois. Positive numbers denote an increase and negative numbers show a decrease compared with Bulletin 70.

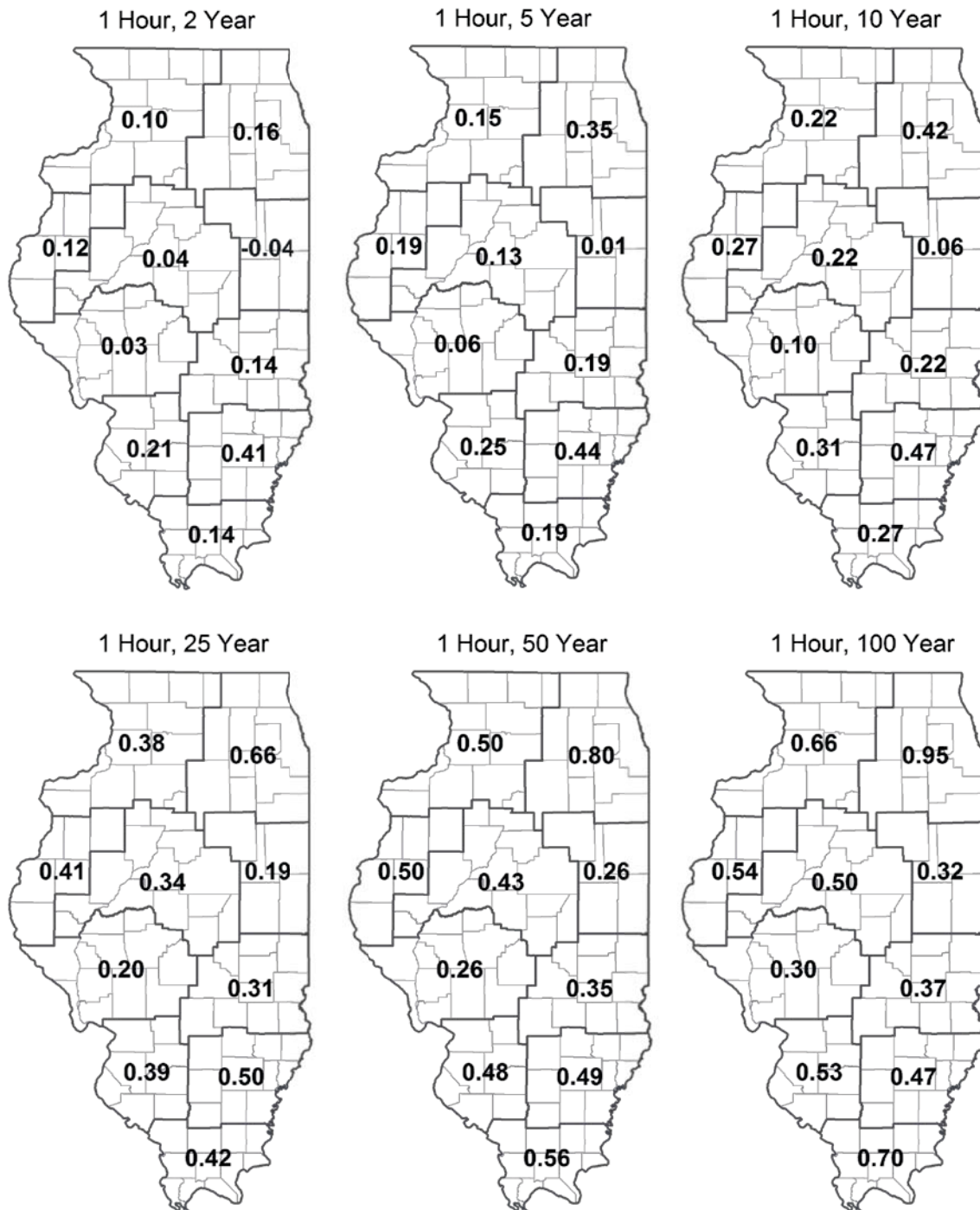


Figure 24 Differences in inches between this study and NOAA Atlas 14 for a 1-hour duration and 2-, 5-, 10-, 25-, 50-, and 100-year frequencies for 10 sections in Illinois. Positive numbers denote an increase and negative numbers show a decrease compared with Atlas 14.

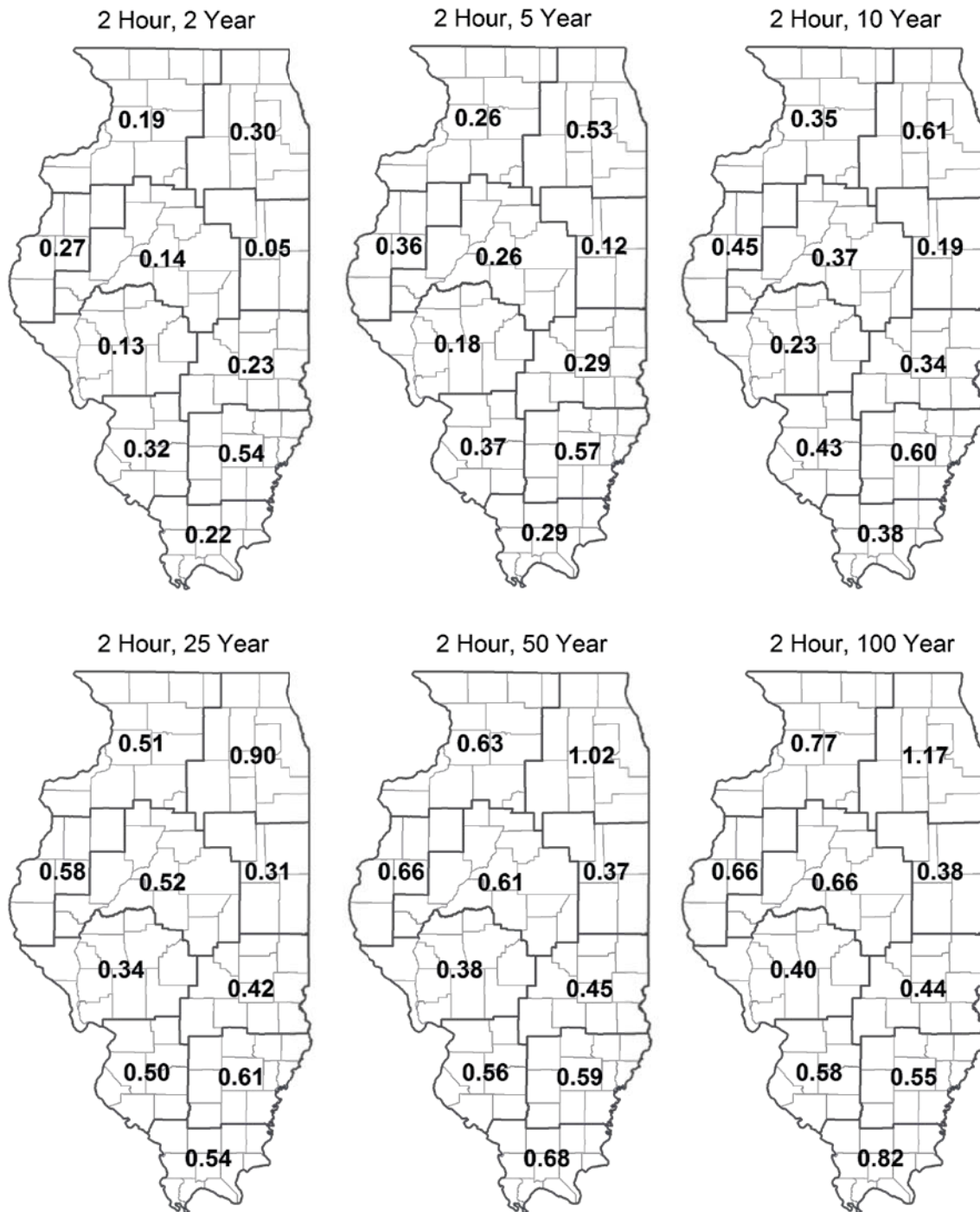


Figure 25 Differences in inches between this study and NOAA Atlas 14 for a 2-hour duration and 2-, 5-, 10-, 25-, 50-, and 100-year frequencies for 10 sections in Illinois. Positive numbers denote an increase and negative numbers show a decrease compared with Atlas 14.

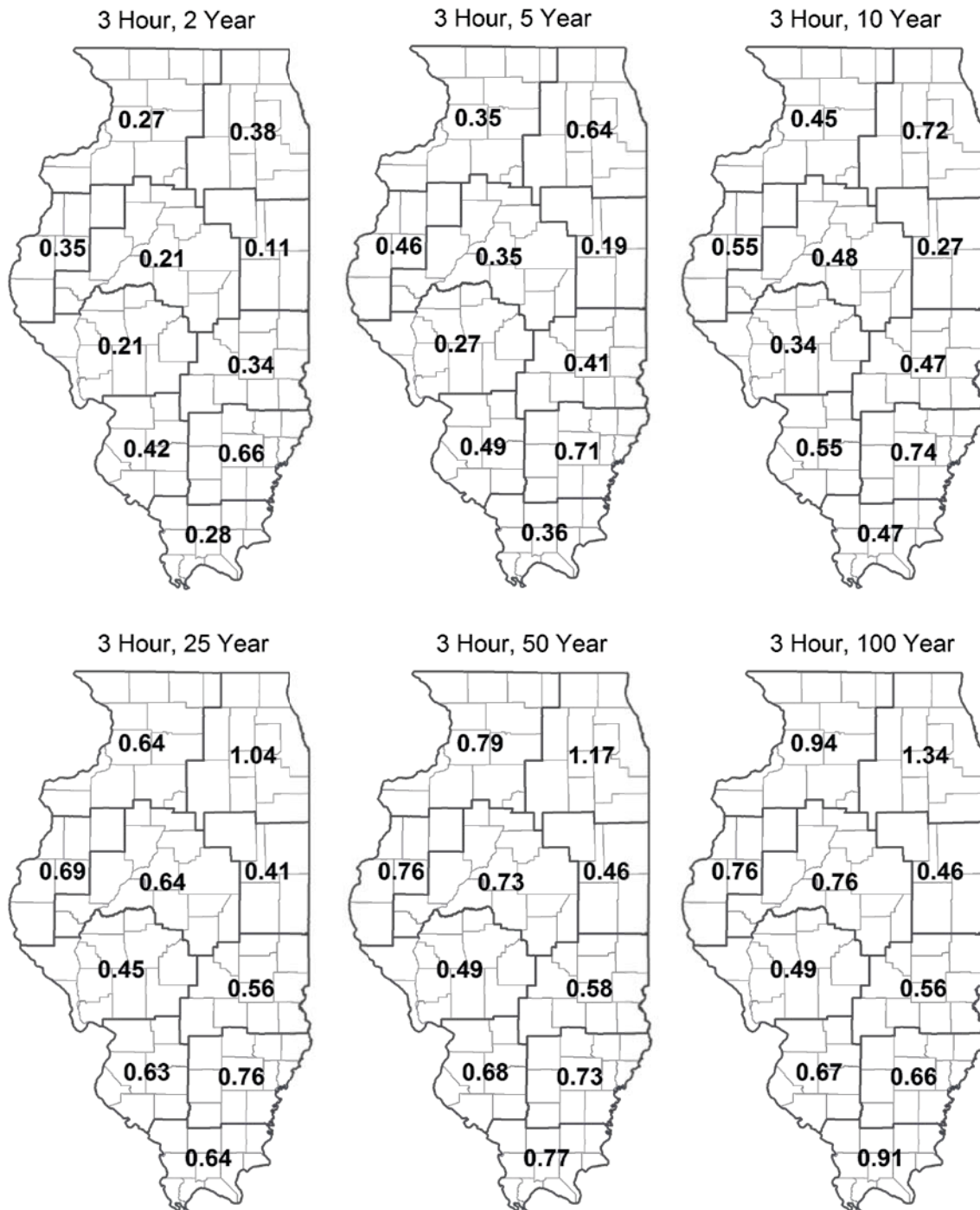


Figure 26 Differences in inches between this study and NOAA Atlas 14 for a 3-hour duration and 2-, 5-, 10-, 25-, 50-, and 100-year frequencies for 10 sections in Illinois. Positive numbers denote an increase and negative numbers show a decrease compared with Atlas 14.

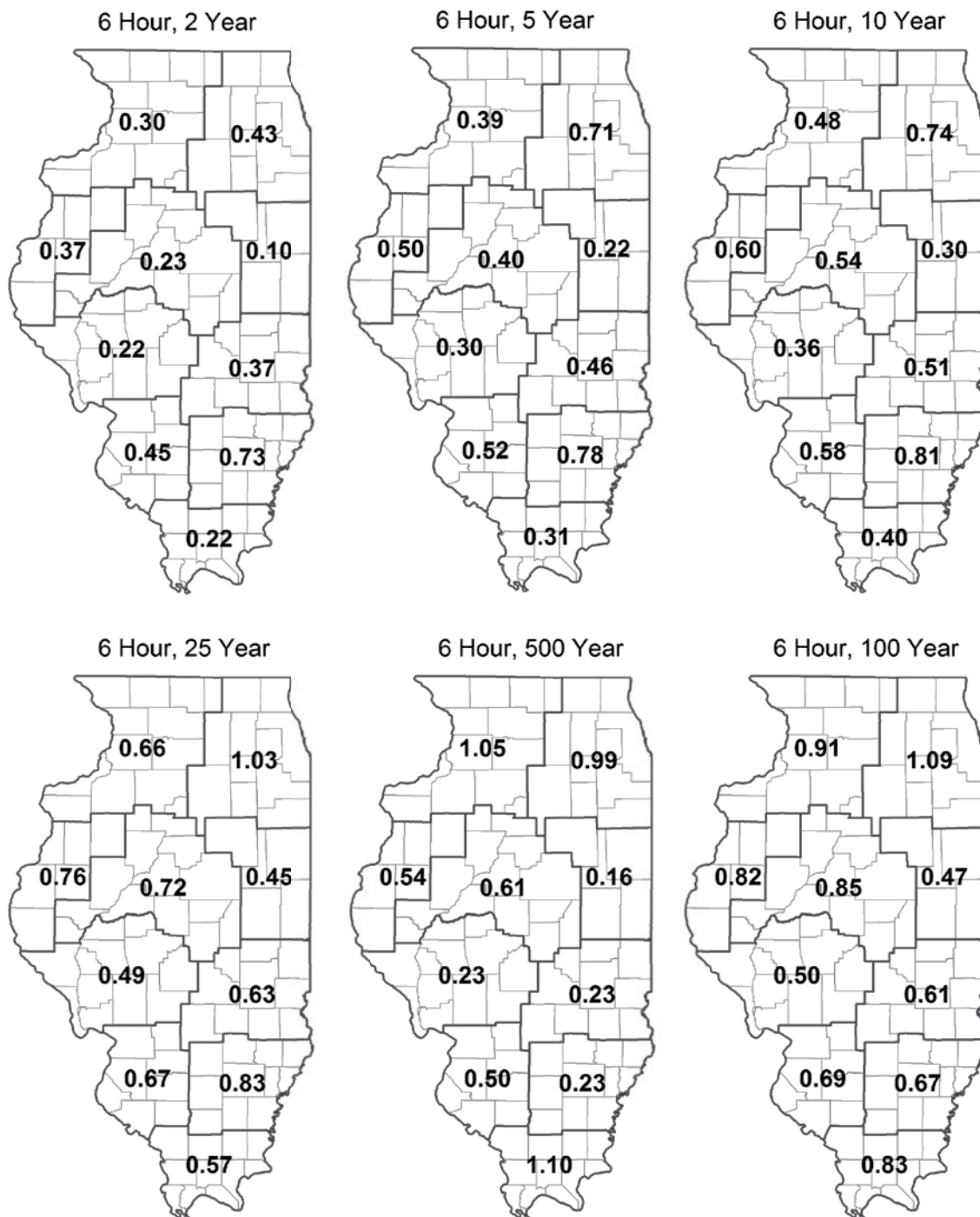


Figure 27 Differences in inches between this study and NOAA Atlas 14 for a 6-hour duration and 2-, 5-, 10-, 25-, 50-, and 100-year frequencies for 10 sections in Illinois. Positive numbers denote an increase and negative numbers show a decrease compared with Atlas 14.

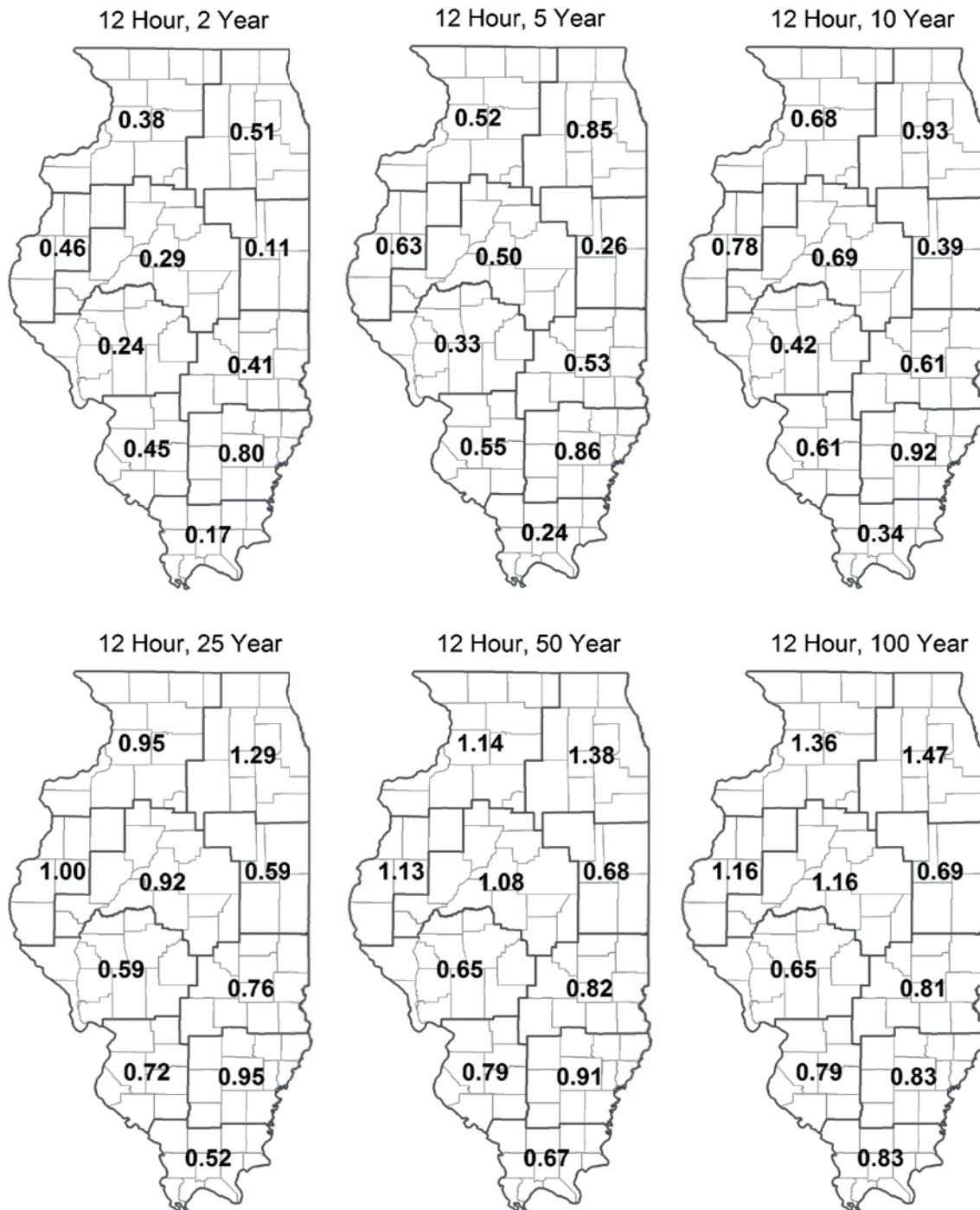


Figure 28 Differences in inches between this study and NOAA Atlas 14 for a 12-hour duration and 2-, 5-, 10-, 25-, 50-, and 100-year frequencies for 10 sections in Illinois. Positive numbers denote an increase and negative numbers show a decrease compared with Atlas 14.

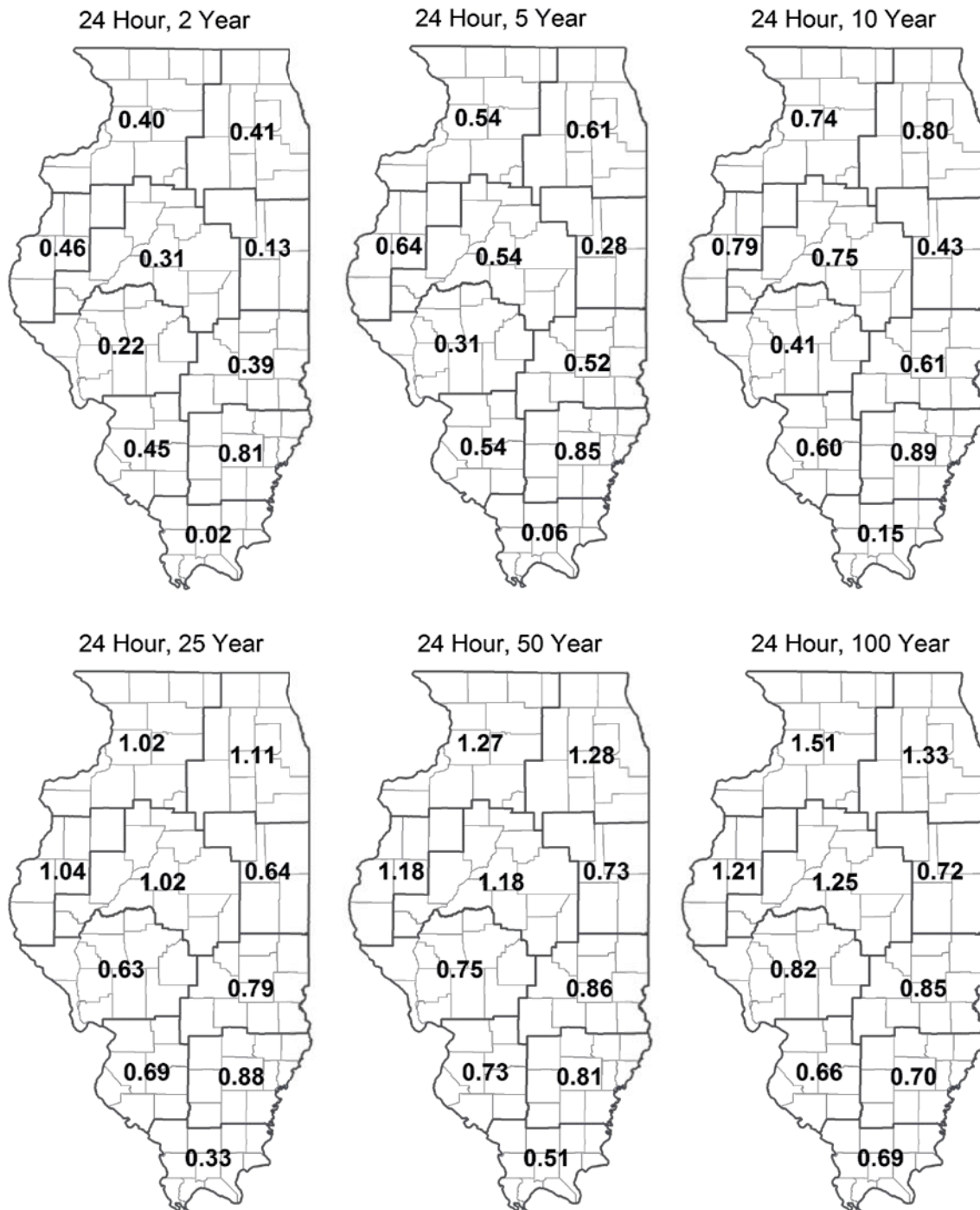


Figure 29 Differences in inches between this study and NOAA Atlas 14 for a 24-hour duration and 2-, 5-, 10-, 25-, 50-, and 100-year frequencies for 10 sections in Illinois. Positive numbers denote an increase and negative numbers show a decrease compared with Atlas 14.

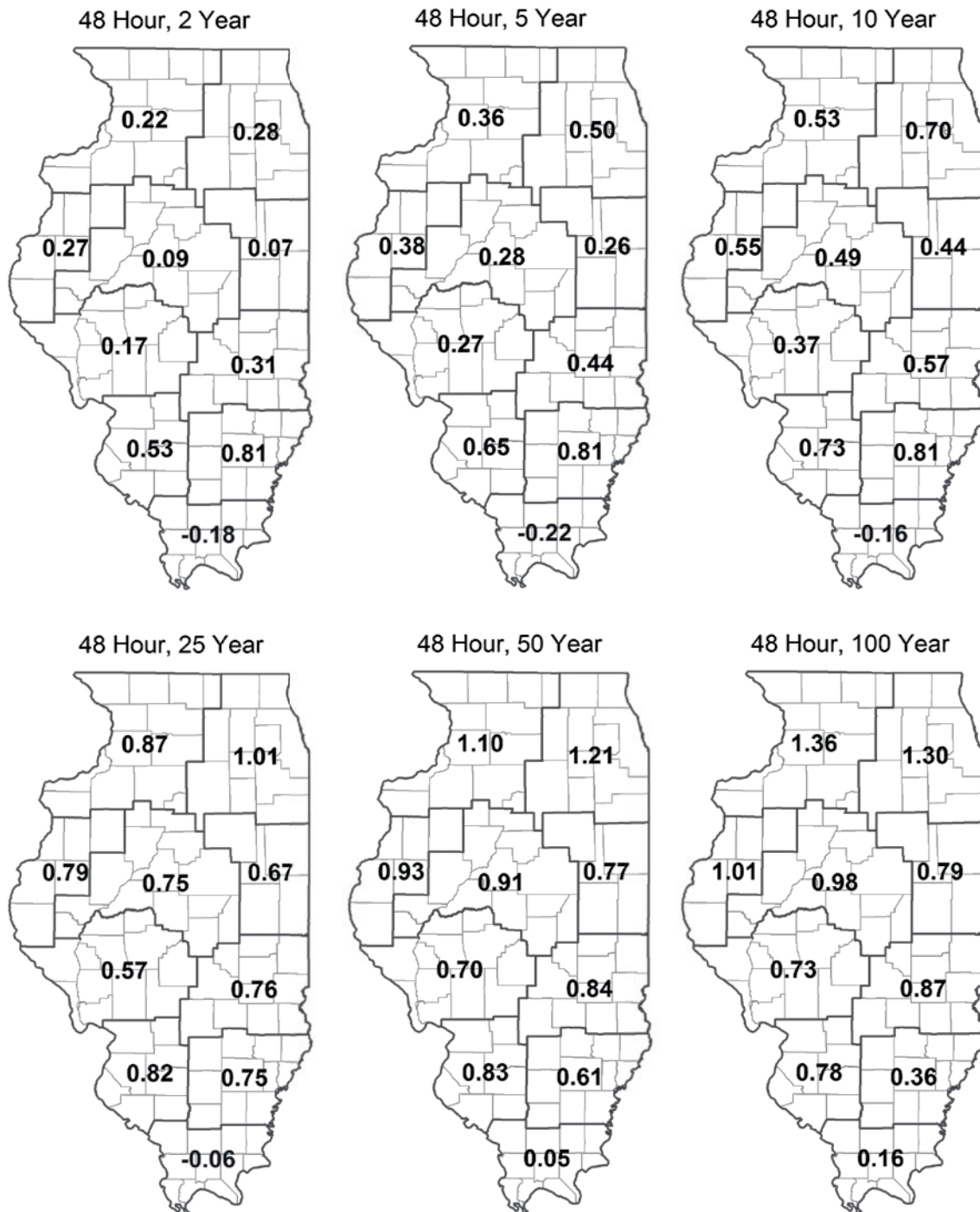


Figure 30 Differences in inches between this study and NOAA Atlas 14 for a 48-hour duration and 2-, 5-, 10-, 25-, 50-, and 100-year frequencies for 10 sections in Illinois. Positive numbers denote an increase and negative numbers show a decrease compared with Atlas 14.

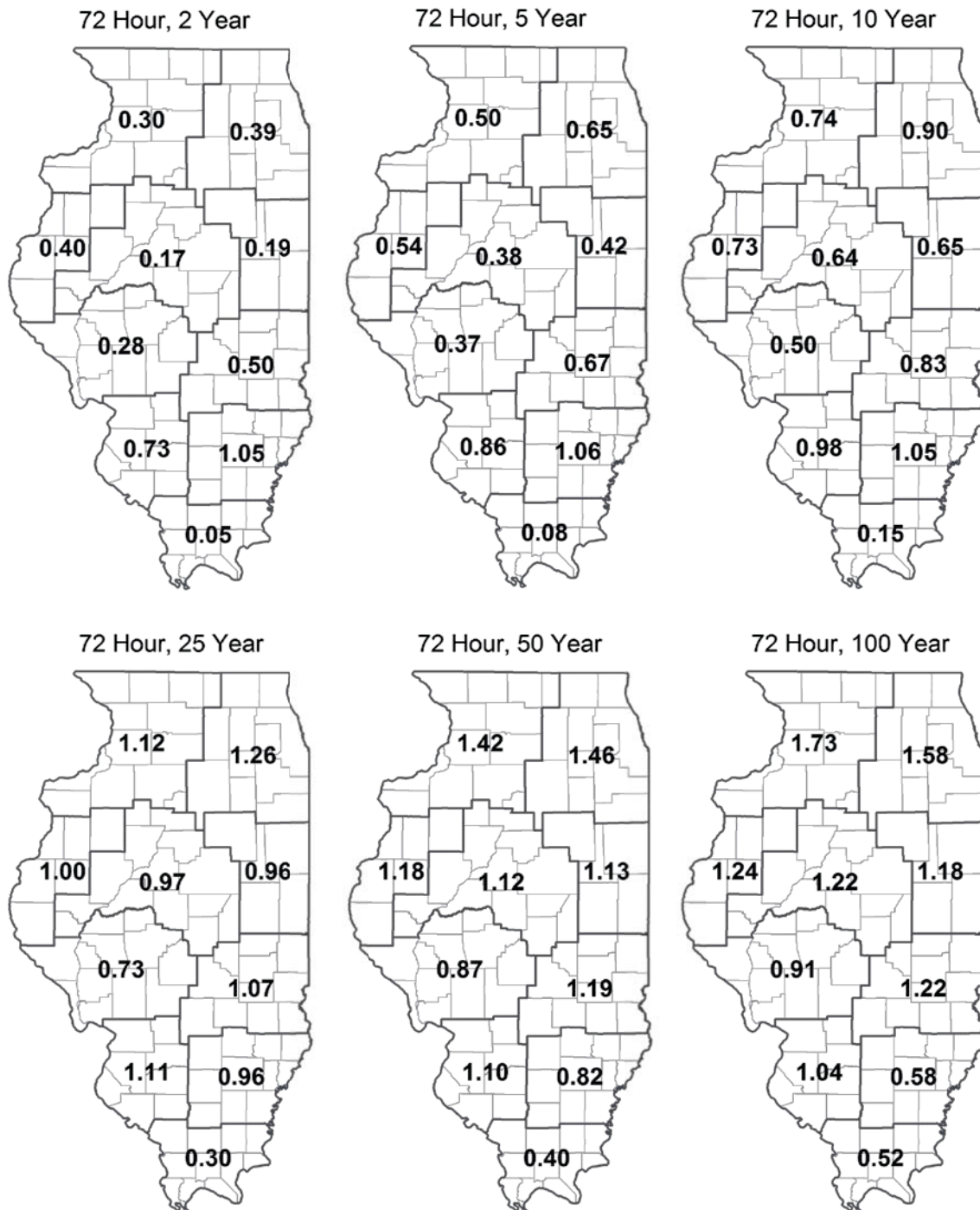


Figure 31 Differences in inches between this study and NOAA Atlas 14 for a 72-hour duration and 2-, 5-, 10-, 25-, 50-, and 100-year frequencies for 10 sections in Illinois. Positive numbers denote an increase and negative numbers show a decrease compared with Atlas 14.

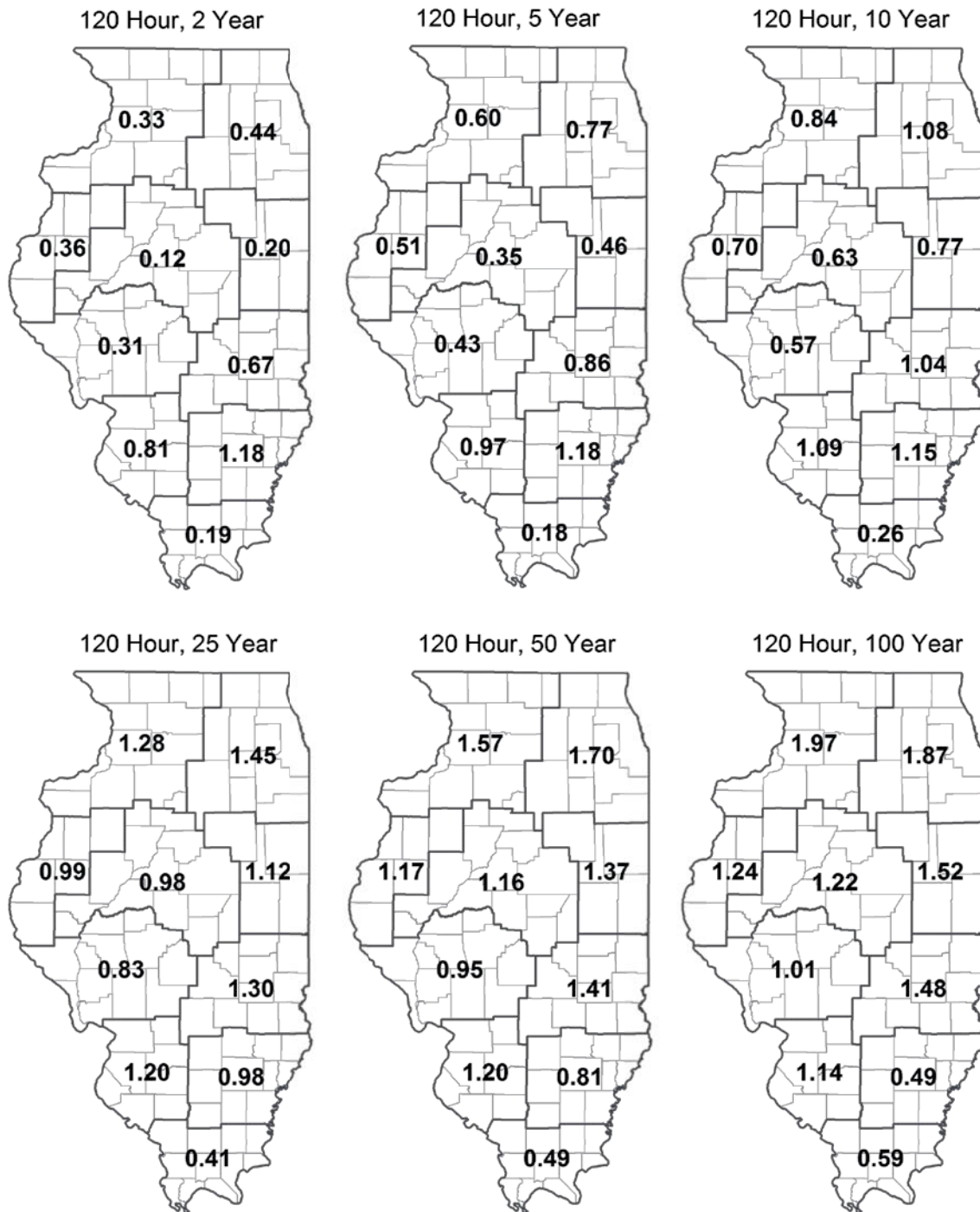


Figure 32 Differences in inches between this study and NOAA Atlas 14 for a 120-hour duration and 2-, 5-, 10-, 25-, 50-, and 100-year frequencies for 10 sections in Illinois. Positive numbers denote an increase and negative numbers show a decrease compared with Atlas 14.

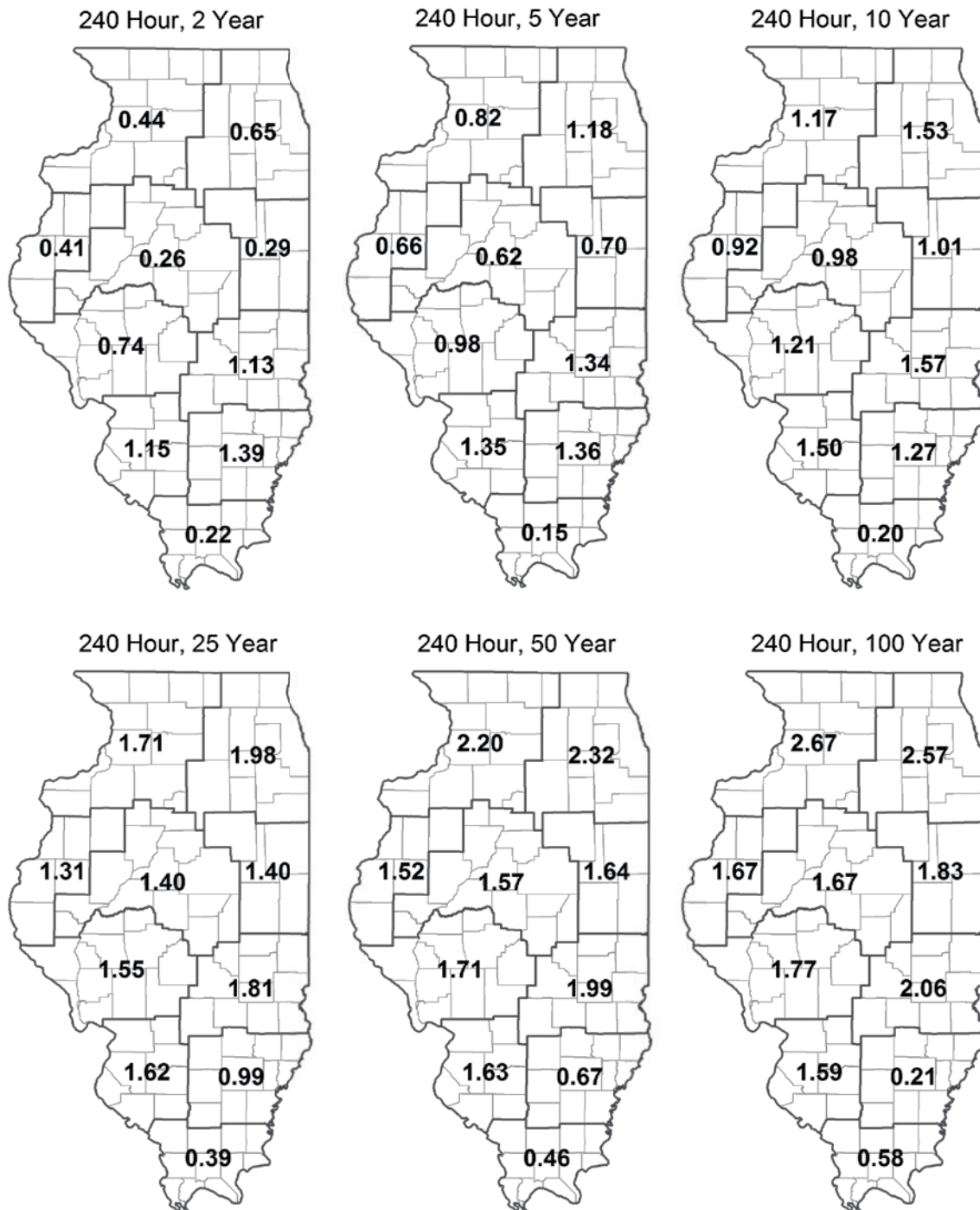


Figure 33 Differences in inches between this study and NOAA Atlas 14 for a 240-hour duration and 2-, 5-, 10-, 25-, 50-, and 100-year frequencies for 10 sections in Illinois. Positive numbers denote an increase and negative numbers show a decrease compared with Atlas 14.

References

- Alter, R., H. Douglas, J. Winter, and E. Eltahir. 2017. Twentieth century regional climate change during the summer in the central United States attributed to agricultural intensification. *Geophysical Research Letters* 45:1586–1594, <https://doi.org/10.1002/2017GL075604>.
- Bauer, E. 2018. *Continued Operation of a 25-raingage Network for Collection, Reduction, and Analysis of Precipitation Data for Lake Michigan Diversion Accounting: Water Year 2017*. Illinois State Water Survey Contract Report CR 2018-03, Champaign, IL.
<http://hdl.handle.net/2142/101895>
- Bonnin, G.M., D. Martin, B. Lin, T. Parzybok, M. Yekta, and D. Riley. 2006. *Precipitation-Frequency Atlas of the United States*. NOAA Atlas 14, vol. 2, version 3.0, NOAA, National Weather Service, Silver Spring, MD.
- Cheng, L., A. AghaKouchak, E. Gilleland, and R.W. Katz. 2014. Non-stationary extreme value analysis in a changing climate. *Climatic Change*, DOI: 10.1007/s10584-014-1254-5.
- DeGaetano, A.T. 2009. Time-dependent changes in extreme-precipitation return-period amounts in the continental United States. *Journal of Applied Meteorology and Climatology* 48: 2086–2099, <https://doi.org/10.1175/2009JAMC2179.1>.
- DeGaetano, A., and C. Castellano. 2018. Selecting time series length to moderate the impacts of nonstationarity in extreme rainfall analyses. *Journal of Applied Meteorology and Climatology* 57(12):2285–2296, <https://doi.org/10.1175/JAMC-D-18-0097.1>.
- Easterling, D.R., K.E. Kunkel, J.R. Arnold, T. Knutson, A.N. LeGrande, L.R. Leung, R.S. Vose, D.E. Waliser, and M.F. Wehner. 2017. Precipitation change in the United States. In: *Climate Science Special Report: Fourth National Climate Assessment*, Volume I [Wuebbles, D.J., D.W. Fahey, K.A. Hibbard, D.J. Dokken, B.C. Stewart, and T.K. Maycock (eds.)]. U.S. Global Change Research Program, Washington, DC, USA, pp. 207–230, DOI: 10.7930/J0H993CC.
- Frankson, R., K. Kunkel, S. Champion, B. Stewart, D. Easterling, B. Hall, and J.R. Angel. 2017. *Illinois State Climate Summary*. NOAA Technical Report NESDIS 149-IL, 4 pp., <https://statesummaries.ncics.org/il>.
- Groisman, P., R.W. Knight, and T.R. Karl. 2012. Changes in intense precipitation over the central United States. *Journal of Hydrometeorology* 13:47–66, <https://doi.org/10.1175/JHM-D-11-039.1>.
- Hejazi, M., and M. Markus. 2009. Impacts of urbanization and climate variability on floods in northeastern Illinois. *J. Hydrol. Eng.* 10.1061/(ASCE)HE.1943-5584.0000020, 606–616.

Hershfield, D.M. 1961. *Rainfall Frequency Atlas of the United States for Duration from 30 Minutes to 24 Hours and Return Periods from 1 to 100 Years*. Technical Paper 40, U.S. Dept. of Agriculture, Washington, DC.

Hosking, J.R.M. 2000. FORTRAN routines for use with the method of L-moments, version 3.03. *Research Rep.* RC20525 (90933), T.J. Watson Research Center, New York.

Hosking, J.R.M., and J.R. Wallis. 1997. *Regional frequency analysis: An approach based on L-moments*. Cambridge University Press, Cambridge, U.K.

Huff, F.A., and J.R. Angel. 1989. *Frequency Distributions and Hydroclimatic Characteristics of Heavy Rainstorms in Illinois*. Illinois State Water Survey, Bulletin 70, Champaign, IL.

Huff, F.A., and J.C. Neill. 1959. *Frequency Relations for Storm Rainfall in Illinois*. Illinois State Water Survey, Champaign, IL.

Langbein, W.B. 1949. Annual floods and the partial-duration flood series. *Trans. Am. Geophys. Union* 30(6):379.

Markus, M., J. Angel, G. Byard, C. Zhang, S. McConkey, X. Cai, L.D. Notaro, and M. Ashfaq. 2018. Communicating the impacts of projected climate change on heavy rainfall using a weighted ensemble approach. *Journal of Hydrol. Eng.* 23(4).

Markus, M., J. Angel, K. Wang, G. Byard, S. McConkey, and Z. Zaloudek. 2017. *Impacts of Potential Future Climate Change on the Expected Frequency of Extreme Rainfall Events in Cook, DuPage, Lake, and Will Counties in Northeastern Illinois*. Illinois State Water Survey Contract Report 2017-05, Champaign, IL.

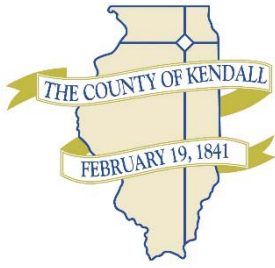
Markus, M., J.R. Angel, L. Yang, and M.I. Hejazi. 2007. Changing estimates of design precipitation in northeastern Illinois: Comparison between different sources and sensitivity analysis. *J. Hydrol.* 347(1-2):211–222.

NOAA NCEI, 2018: Climate at a Glance [web page]. NOAA National Centers for Environmental Information, Asheville, NC. <https://www.ncdc.noaa.gov/cag/divisional/time-series>

Perica, S., S. Dietz, S. Heim, L. Hiner, K. Maitaria, D. Martin, S. Pavlovic, I. Roy, C. Trypaluk, D. Unruh, F. Yan, M. Yekta, T. Zhao, G. Bonnin, D. Brewer, L. Chen, T. Parzybok, and J. Yarchoan. 2011. *Precipitation Frequency Atlas of the United States*. NOAA Atlas 14, Volume 6, Version 2.0.

Salas, J.D., J. Obeysekera, and R.M. Vogel. 2018. Techniques for assessing water infrastructure for nonstationary extreme events: A review. *Hydrological Sciences Journal* 63(3)325–352, DOI: [10.1080/02626667.2018.1426858](https://doi.org/10.1080/02626667.2018.1426858).

- Serago, J., and R.M. Vogel. 2018. Parsimonious nonstationary flood frequency analysis. *Advances in Water Resources* 112:1–16.
- Vogel, R.M., and N.M. Fennessey. 1993. L-moment diagrams should replace product moment diagrams. *Water Resour. Res.* 29(6):1745–1752.
- Winters, B., J. Angel, C. Ballerine, J. Byard, A. Flegel, D. Gambill, E. Jenkins, S. McConkey, M. Markus, B. Bender, and M. O'Toole. 2015. *Report for the Urban Flooding Awareness Act*. Illinois Department of Natural Resources, 89 pp.,
https://www.dnr.illinois.gov/waterresources/documents/final_ufaa_report.pdf.
- Yarnell, D.L. 1935. *Rainfall Intensity-Frequency Data*. U.S. Department of Agriculture, Miscellaneous Publication No. 204, Washington, DC, 35 pp.



Kendall County Agenda Briefing

Committee: Planning, Building and Zoning

Meeting Date: October 7, 2019

Amount: N/A

Budget: N/A

Issue: Petition 19-32-Request from John and Erin Sharkey and Theodore Parks to Relocate a Ten Foot Public Utility and Drainage Easement from the Northern Boundary Line of Lots 1 and 4 of Highgrove Subdivision to the Northern Property Lines of Parcels 09-07-200-034 and 09-07-200-033 and Extend a Public Utility and Drainage Easement Along the Eastern Side of Parcel 09-07-200-033 in Seward Township

Background and Discussion:

John and Erin Sharkey and Theodore Parks would like to vacate the ten foot (10') public utility and drainage easement that runs along and parallel the northern lot lines of Lots 1 and 4 in Highgrove Subdivision. The Petitioners own the property immediately north of the subdivision and would like to construct buildings inside the current easement. After submitting the application to vacate the easement in question, the Petitioners agreed to relocate the easement to the northern boundary of PINs 09-07-200-034 and 09-07-200-033 at the request of the County.

There are no utilities or drainage infrastructure located in the existing easement.

The proposed ordinance is attached.

Committee Action:

ZPAC-Approval; PBZ Committee-Approval (4-0)

Staff Recommendation:

Approval

Prepared by: Matthew H. Asselmeier, AICP

Department: Planning, Building and Zoning Department

Date: October 8, 2019

ORDINANCE NUMBER 2019-_____

**APPROVING A PLAT OF VACATION AND RELOCATION OF A TEN FOOT PUBLIC
UTILITY AND DRAINAGE EASEMENT FROM LOTS 1 AND 4 OF HIGHGROVE
SUBDIVISION TO THE NORTHERN END OF PARCELS 09-07-200-034 AND 09-07-200-033
AND EXTENDING THE SAME EASEMENT ALONG THE EASTERN BOUNDARY OF
PARCEL 09-07-200-033 IN SEWARD TOWNSHIP**

WHEREAS, Section 7.06 of the Kendall County Subdivision Control Ordinance permits the Kendall County Board to approve plats of vacation and provides the procedure through which plats of vacation are approved; and

WHEREAS, the ten-foot public utility and drainage easement which is the subject of this Ordinance was established by Ordinance 2016-20 which granted approval a preliminary and final plat of Highgrove Subdivision and was approved by the Kendall County Board on October 18, 2016, and

WHEREAS, the preliminary and final plat of Highgrove Subdivision was recorded in the Kendall County Recorder of Deeds Office on November 1, 2016, and

WHEREAS, the ten-foot public utility and drainage easement which is the subject of this Ordinance is located along and parallel to the north property lines of Lots 1 and 4 in Highgrove Subdivision. The legal description of the ten-foot public utility and drainage easement is set forth in Exhibit A attached hereto and incorporated by reference; and

WHEREAS, on or about November 2, 2017, Theodore Parks acquired ownership of Lot 1 of Highgrove Subdivision and the property identified by Parcel Identification Number 09-07-200-033; and

WHEREAS, on or about August 7, 2017, Erin and John Sharkey acquired ownership of Lot 4 of Highgrove Subdivision and the property identified by Parcel Identification Number 09-07-200-034; and

WHEREAS, on or about September 9, 2019, Theodore Parks and Erin and John Sharkey, hereinafter referred to as "Petitioners," filed a petition for approval of a plat of vacation of the ten-foot public utility and drainage easement which is the subject of this Ordinance; and

WHEREAS, after submittal of the petition, the Petitioners agreed to relocate the ten-foot public utility and drainage easement from its present location to the northern property lines of the parcels identified by Parcel Identification Numbers 09-07-200-033 and 09-07-200-034 and to extend the same easement along the eastern boundary of property identified by Parcel Identification Number 09-07-200-033. The legal description of the relocated and extended public utility and drainage easement is set forth in Exhibit A attached hereto and incorporated by reference; and

WHEREAS, on October 1, 2019, the Kendall County Zoning, Platting and Advisory Committee has reviewed this petition and has forwarded to the Kendall County Board a recommendation of approval of the requested plat of relocation; and

WHEREAS, on October 7, 2019, the Kendall County Planning, Building and Zoning Committee of the Kendall County Board has reviewed the information presented and recommendation of the Kendall County Zoning, Platting and Advisory Committee, and has forwarded to the Kendall County Board a recommendation of approval of the requested plat of relocation; and

WHEREAS, the Kendall County Board has considered the recommendation of the Planning, Building and Zoning Committee and the recommendation of the Kendall County Zoning, Platting and Advisory Committee, and has determined that said petition is in conformance with the provisions and intent of the Kendall County Zoning Subdivision Control Ordinance and other applicable Ordinances; and

NOW, THEREFORE, BE IT ORDAINED, BY THE COUNTY BOARD OF KENDALL COUNTY, ILLINOIS, as follows:

1. The Kendall County Board hereby grants approval of Petitioners' petition for plat of vacation and relocation of a ten-foot public utility and drainage easement legally described in Exhibit A attached hereto and shown on the site plan attached hereto as Exhibit B Plat of Grant of Easement and Easement Vacation and Relocation.
2. This vacation, relocation, and extension shall become effective upon the successful recording of Exhibit B in the timeframe outlined in Section 7.06.H of the Kendall County Subdivision Control Ordinance unless an extension is granted by the Kendall County Board.

IN WITNESS OF, this ordinance has been enacted by a majority vote of the Kendall County Board and is effective this 15th day of October, 2019.

Attest:

Kendall County Clerk
Debbie Gillette

Kendall County Board Chairman
Scott R. Gryder

Exhibit A

LEGAL DESCRIPTION OF EASEMENT ON LOT 1 TO BE VACATED (PARKS):

The North 10.0 feet of Lot 1 of "HighGrove, Seward Township, Kendall County, Illinois" (except the Easterly 10.0 feet thereof), according to the Plat thereof recorded November 1, 2016 as Document 201600017256.

LEGAL DESCRIPTION OF EASEMENT ON LOT 4 TO BE VACATED (SHARKEY):

The North 10.0 feet of Lot 4 of "HighGrove, Seward Township, Kendall County, Illinois", according to the Plat thereof recorded November 1, 2016 as Document 201600017256.

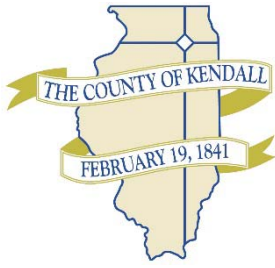
LEGAL DESCRIPTION OF PARCEL 1 TO BE GRANTED BY PARKS:

That Part of the Northeast Quarter of Section 7, Township 35 North, Range 8 East of the Third Principal Meridian, described as follows: Commencing at the Southeast Corner of said Northeast Quarter; thence North 00°35'24" West, along the East Line of said Northeast Quarter, 1376.0 feet, being the Northeast Corner of "HighGrove, Seward Township, Kendall County, Illinois"; thence South 89°24'36" West, along a Northerly Line of said "HighGrove", 50.0 feet to a Northwesternly Corner of said "HighGrove" being a point on a line 50.0 feet (normally distant) Westerly of and parallel with the centerline of Grove Road for the point of beginning; thence continuing South 89°24'36" West, 391.18 feet to a Southeasterly Corner of a Tract conveyed to the Joliet Park District by Warranty Deed recorded January 23, 2014 as Document 201400001104; thence North 89°49'29" West, 50.81 to the Northerly Extension of the Westerly Line of Lot 1 of said "HighGrove"; thence South 00°35'24" East, along said Northerly Extension, 10.0 feet; thence South 89°49'29" East, 50.74 feet; thence North 89°24'36" East, 381.25 feet; thence South 00°35'24" East, 81.02 feet to the Northerly Line of Lot 1 of said "HighGrove"; thence South 89° 49'29" East, 10.0 feet to the Westerly Line of Grove Road being a point on a line 50.0 feet (normally distant) Westerly of and parallel with the centerline of Grove Road; thence North 00°35'24" West, parallel with said centerline, 91.16 feet to the point of beginning in Seward Township, Kendall County, Illinois.

LEGAL DESCRIPTION OF PARCEL 2 TO BE GRANTED BY SHARKEY:

That Part of the Northeast Quarter of Section 7, Township 35 North, Range 8 East of the Third Principal Meridian, described as follows: Commencing at the Southeast Corner of said Northeast Quarter; thence North 00°35'24" West, along the East Line of said Northeast Quarter, 1376.0 feet, being the Northeast Corner of "HighGrove, Seward Township, Kendall County, Illinois"; thence South 89°24'36" West, along a Northerly Line of said "HighGrove", 50.0 feet to a Northwesternly Corner of said "HighGrove" being a point on a line 50.0 feet (normally distant) Westerly of and parallel with the centerline of Grove Road; thence continuing South 89°24'36" West, 391.18 feet to a Southeasterly Corner of a Tract conveyed to the Joliet Park District by Warranty Deed recorded January 23, 2014 as Document 201400001104; thence North 89°49'29" West, 50.81 feet to the Northerly Extension of the East Line of Lot 4 of said "HighGrove" for the point of beginning; thence North 89°49'29" West, 442.02 feet to a Southeasterly Corner of said Joliet Park District Tract; thence South 00°35'24" East, along an Easterly Line of said Joliet Part District Tract, 10.0 feet; thence South 89°49'29" East, 442.02

feet to the Northerly Extension of the East Line of Lot 4 of said "HighGrove"; thence North $00^{\circ}35'24''$ West, along said Northerly Extension of the East Line of Lot 4 of said "HighGrove", 10.0 feet to the point of beginning in Seward Township, Kendall County, Illinois.



Kendall County Agenda Briefing

Committee: Planning, Building and Zoning

Meeting Date: October 7, 2019

Amount: N/A

Budget: N/A

Issue: Approval of 2020 Noxious Weed Work Plan

Background and Discussion:

Kendall County is required by Illinois law to submit an annual Noxious Weed Comprehensive Work Plan to the State by November 1st of each year. Attached please find the proposed 2020 Kendall County Noxious Weed Comprehensive Work Plan. This proposal is the same as the 2019 Noxious Weed Comprehensive Work Plan.

Committee Action:

PBZ Committee-Approval (4-0)

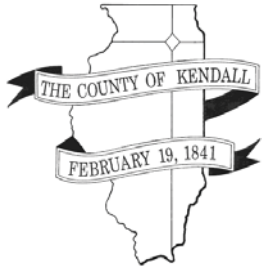
Staff Recommendation:

Approval

Prepared by: Matthew H. Asselmeier, AICP

Department: Planning, Building and Zoning

Date: October 8, 2019



KENDALL COUNTY COMPREHENSIVE NOXIOUS WEED WORK PLAN 2020

As required by the Illinois Noxious Weed Law (505 ILCS 100), the County of Kendall submits the following Comprehensive Work Plan for calendar year 2020.

Kendall County shall engage in the following activities:

1. Continuously work with residents, property owners, municipalities, townships, other counties, and Federal and State agencies to identify, investigate, control and eliminate noxious weeds found within the County.
2. In the event that the location of a noxious weed is reported on private property or property not owned by Kendall County, the County shall forward the complaint to the local municipality and/or township. The local municipality and/or township shall be the lead agency for investigating and resolving the issue. The municipality or township shall follow applicable laws to resolve the issue.
3. Monitor County owned properties and rights-of-way as part of general property maintenance. If noxious weeds are found on County owned property, the County shall take steps to eradicate the weeds and include the information in its annual noxious weed report to the State.
4. Work with local municipalities and townships to track and report noxious weed allegations and incidents for inclusion in the annual noxious weed report to the State. The County will ask each municipality and township for a summary of activities related to the eradication of noxious weeds for inclusion in the annual noxious weed report to the State.
5. Publish the General Notice at least one time annually in a newspaper of general circulation in Kendall County. The General Notice shall be published in the first quarter of the year upon approval of the County Board.
6. Advise persons responsible for controlling and eradicating noxious weeds of the best and most practical methods for noxious weed control and eradication.
7. Complete applicable reports as required by State law.

This Comprehensive Work Plan was approved by the Kendall County Board on October 15, 2019.

Respectively Submitted,

Scott R. Gryder
Kendall County Board Chairman

Date

COUNTY OF KENDALL, ILLINOIS
RESOLUTION 2019-__

**RESOLUTION REQUESTING THE KENDALL COUNTY STATE'S
ATTORNEY ENTER INTO A SETTLEMENT AGREEMENT FOR THE
PAYMENT OF DELINQUENT TAXES IN PLANO SSA NO. 5**

WHEREAS, the Kendall County Board approved Resolution 2019-29 on October 1, 2019; and

WHEREAS, through Resolution 2019-29, the Kendall County Board requested the Kendall County State's Attorney enter into a settlement agreement with City of Plano, Illinois, Lakewood Spring Special Service Area 5 Delinquent Tax Parcels, LLC (the "LLC") for the payment of delinquent property taxes on two hundred fourteen lots (214) lots the LLC owns within Plano SSA No. 5; and

WHEREAS, following the approval of Resolution 2019-29, the Kendall County Board was notified that fourteen (14) of the LLC's lots are actually located in a different SSA, not in Plano SSA No. 5; and

WHEREAS, the settlement for the payment for delinquent property taxes must be modified so that it includes only the two hundred (200) lots the LLC owns within Plano SSA No. 5; and

WHEREAS, the State's Attorney possesses the authority under 55 ILCS 5/3-9005(a)(12), "To appear in all proceedings by collectors of taxes against delinquent taxpayers for judgment to sell real estate . . ."; and

WHEREAS, the Illinois Supreme Court has held "[t]he State's Attorney has . . . the inherent executive authority to compromise tax matters generally." *People ex rel. Devine v. Murphy*, 181 Ill. 2d 522, 538 (1998); and

WHEREAS, the Kendall County Board desires to request the Kendall County State's Attorney enter into an agreement with the LLC for the reduction of the interest owed on the delinquent taxes for the 200 lots the LLC owns in SSA No. 5; and

WHEREAS, the reduction in interest will affect the lots listed in the "Order" attached to this Resolution as Exhibit A.

NOW, THEREFORE, BE IT RESOLVED as follows:

1. That the Kendall County Board requests the Kendall County State's Attorney enter into an agreement with the LLC for the reduction of interest on the delinquent taxes for those lots in SSA No. 5 listed in the Order attached to this Resolution as Exhibit A.
2. That the Order contains the terms the Kendall County Board wishes to impose for the payment of delinquent taxes and a reduction in interest owed to the County.
3. That the amounts to be paid by the LLC for delinquent taxes and agreed-upon interest are stated in the Order.
4. That the Kendall County Board requests no substantial changes be made to this Order following the adoption of this Resolution and that in no event should changes be made to the amounts to be paid or to the LLC's representations regarding the surrender of the bonds for cancellation.
5. That the Kendall County Board requests the Order be filed with the Court of the 23rd Judicial Circuit, Kendall County, Illinois, in order to effectuate the agreement with the LLC for the payment of delinquent taxes and agreed-upon reduced interest.
6. That the Kendall County Board requests the Kendall County State's Attorney file notices, pleadings, and other documents and take any other action necessary to effectuate the terms of the agreement as reflected in the Order.

Approved and adopted by the County Board of Kendall County, Illinois, this ____ day of _____, 2019.

Board Chairman Signature:

Attest:

Scott Gryder, Chairman
County Board

Debbie Gillette
County Clerk

EXHIBIT A

**IN THE CIRCUIT COURT FOR THE TWENTY-THIRD JUDICIAL CIRCUIT
KENDALL COUNTY, ILLINOIS**

IN THE MATTER OF THE APPLICATION OF)
THE COUNTY COLLECTOR FOR JUDGMENT)
AND ORDER OF SALE AGAINST LANDS AND)
LOTS RETURNED DELINQUENT FOR NON-) 18 TX 7
PAYMENT OF GENERAL TAXES AND/OR)
SPECIAL ASSESSMENTS FOR THE YEAR 2017)
AND PRIOR YEARS)

AGREED ORDER FOR SETTLEMENT OF DELINQUENT PROPERTY TAXES

This cause coming to be heard upon the motion of Eric C. Weis, Kendall County State's Attorney, and City of Plano, Illinois, Lakewood Springs Special Service Area 5 Delinquent Tax Parcels, LLC (the "LLC"), owner of the parcels listed in Exhibit A attached to this Order; the Kendall County Board and the LLC having negotiated a settlement of the delinquent property taxes for the parcels listed in Exhibit A; the State's Attorney, acting at the behest of the Kendall County Board, and the LLC being in agreement, attested by their signatures below; THE COURT BEING FULLY ADVISED IN THE PREMISES FINDS:

1. That the City of Plano, Illinois, ("City") established the City of Plano Special Service Area No. 5 ("SSA No. 5") by Ordinance No. 2006-37.
2. That the two hundred (200) lots listed by PIN in Exhibit A attached to this Order (the "subject parcels") were included in SSA No. 5.
3. That, pursuant to the Special Service Area Tax Law, 35 ILCS 200/27-5, *et seq.*, the City issued the City of Plano Special Service Area No. 5, Special Tax Bonds, Series 2006 ("Series 2006 Bonds").

4. That, pursuant to 35 ILCS 200/27-45, said bonds were to be retired by the levy of taxes against the taxable real property located in SSA No. 5.

5. That pursuant to the Illinois Property Tax Code, when a municipality levies a property tax, the county collector/treasurer collects the tax and deposits the collected taxes into accounts designated for particular funds.

6. That if an owner fails to pay a property tax by its due date, according to 35 ILCS 200/21-15, the delinquent tax bears interest at 1½% per month (the “penalty interest”).

7. That if property with delinquent taxes is offered for sale at the annual tax sale and goes unsold, that property is considered “forfeited” and the delinquent tax then bears interest at 12% per year (the “forfeiture interest”), according to 35 ILCS 200/21-370.

8. That, unlike the principal amount of taxes, which is deposited into particular accounts designated for the various taxing bodies and distributed to those taxing bodies, the interest collected on delinquent taxes, as directed by 35 ILCS 200/21-15, shall be paid into the general fund of the county.

9. That to secure payments to the holders of the Series 2006 Bonds, the City levied taxes (the “SSA Taxes”) against the taxable real property located in SSA No. 5, including the subject parcels, beginning with the 2009 tax year.

10. That for the 2008 through 2010 tax years, *ad valorem* taxes (i.e., the taxes based on assessed value levied by the various taxing districts in which the property is located) were also imposed on the subject parcels; no *ad valorem* taxes have been imposed since 2010.

11. That following the real estate downturn of the previous decade, development of residential housing on the subject parcels essentially ceased.

12. That the various owners of the subject parcels failed to pay the SSA Taxes the City levied for the 2009 through 2017 tax years and the *ad valorem* taxes levied for the 2008 through 2010 tax years.

13. That for the 2009 through 2017 tax years, penalty and forfeiture interest accrued on the tax delinquency for the subject parcels.

14. That the LLC acknowledges and agrees that it now owns all of the subject parcels.

15. That the LLC acknowledges and agrees that it was created by the indenture trustee for the Series 2006 Bonds for the benefit and at the direction of owners of all of the Series 2006 Bonds that had been issued by the City and that it has the authority to surrender the Series 2006 Bonds to the City for cancellation.

16. That, on November 13, 2018, the City passed Ordinance No. 2018-23.

17. That Ordinance No. 2018-23 allows a prepayment of outstanding SSA Taxes via the surrender of Series 2006 Bonds in a principal amount equal to or in excess of the outstanding SSA Taxes on the LLC's lots in SSA No. 5.

18. That, in exchange for the surrender of the Series 2006 Bonds for cancellation, the City shall accept the surrender and cancellation as payment of the SSA Taxes levied on the parcels owned by the LLC.

19. That the LLC acknowledges and agrees that, once it surrenders the Series 2006 Bonds for cancellation, the LLC's 200 lots located within SSA No. 5 will not be subject to the imposition of SSA Taxes for the 2018 tax year and all future years.

20. That Ordinance No. 2018-23 could not make any provision for the payment of the penalty and forfeiture interest, because, pursuant to 35 ILCS 200/21-15, said interest is owed to Kendall County's general fund not to the City.

21. That, as of September 2019, the total tax delinquency for the subject parcels is as follows:

Ad valorem taxes: \$405,968.06

Penalty interest: \$197,747.46

Forfeiture interest: \$2,488,429.61

County's collection cost: \$54,000.00

SSA taxes: \$3,534,130.38

22. That the Kendall County Board and the LLC desire to enter into an agreement for the settlement of the penalty interest and forfeiture interest on the subject parcels.

23. That the State's Attorney possesses the executive authority under 55 ILCS 5/3-9005(a)(12), "To appear in all proceedings by collectors of taxes against delinquent taxpayers for judgments to sell real estate . . ."

24. That "[t]he State's Attorney has . . . the inherent executive authority to compromise tax matters generally." *People ex rel. Devine v. Murphy*, 181 Ill. 2d 522, 538 (1998).

25. That, on _____, the Kendall County Board adopted Resolution 2019-____, requesting the State's Attorney to enter into an agreement with the LLC for the settlement of the delinquent property taxes for the subject parcels.

26. That the Kendall County Board and the LLC have agreed that the LLC will pay to the Kendall County Treasurer the full amount due, as set forth in paragraph 21 above, of *ad valorem* taxes and County's collection costs for the subject parcels.

27. That the Kendall County Board and the LLC have agreed that the LLC will pay to the Kendall County Treasurer \$492,987.85 as a compromised settlement of the penalty interest and forfeiture interest due on the subject parcels.

28. That under his inherent and express authority under Illinois law to compromise property tax matters, the Kendall County State's Attorney will execute this settlement at the behest of the Kendall County Board.

THEREFORE, IT IS HEREBY ORDERED AND ADJUDGED AS FOLLOWS:

1. That no later than November 15, 2019, the LLC shall tender a payment of \$952,955.91 to the Kendall County Treasurer.

2. Said payment shall be for the following:

Ad valorem taxes: \$405,968.06

Penalty and forfeiture interest: \$492,987.85

County's collection cost: \$54,000.00

TOTAL: \$952,955.91

3. Once said payment is made, the Kendall County Treasurer's records shall reflect that the *ad valorem* taxes, penalty interest, forfeiture interest, and County's collection cost have been satisfied for tax years 2008 through 2018 for the subject parcels.

4. The agreed reduction in the penalty interest and forfeiture interest from a total of \$2,686,177.07 to \$492,987.85 shall also be contingent on the LLC closing its sale of the subject parcels to M/I Builders no later than November 15, 2019.

5. The agreed reduction in the penalty interest and forfeiture interest from a total of \$2,686,177.07 to \$492,987.85 shall also be contingent on the LLC providing documentation to the Kendall County State's Attorney that it has surrendered all of the 2006 Series Bonds to the City for cancellation no later than November 15, 2019.

6. If the payment of \$952,955.91 is not timely made pursuant to paragraph 1, if the LLC does not timely close with M/I Builders pursuant paragraph 4, or if the documentation

acknowledging surrender of the bonds is not timely provided pursuant to paragraph 5, no reduction in the penalty interest and forfeiture interest shall be ordered and the agreement memorialized in this Order shall be null and void.

7. If the State's Attorney were to determine that the LLC's representations that it owns all of the subject parcels and all of the 2006 Series Bonds that were issued by the City are inaccurate, no reduction in the penalty interest and forfeiture interest shall be ordered and the agreement memorialized in this Order shall be null and void.

AGREED AND STIPULATED:

**ERIC WEIS, KENDALL COUNTY
STATE'S ATTORNEY**

**CITY OF PLANO, ILLINOIS,
LAKEWOOD SPRINGS SPECIAL
SERVICE AREA 5 DELINQUENT TAX
PARCELS, LLC**

By: Amalgamated Bank of Chicago, not in its individual capacity, but solely as Trustee under that certain Trust Indenture dated as of June 1, 2006, as amended, a state banking corporation, as the Manager and sole Member of the City of Plano, Illinois, Lakewood Springs Special Service Area 5, Delinquent Tax Parcels LLC

By: _____

Its: _____

DATED: This _____ day of _____, 2019.

ENTERED: _____

JUDGE

Office of the Kendall County State's Attorney
Atty. No 2000
807 W. John Street
Yorkville, Illinois 60560
(630) 553-4157

EXHIBIT A

Parcel #

01-21-126-006
01-21-126-007
01-21-126-008
01-21-126-009
01-21-126-010
01-21-126-011
01-21-126-012
01-21-126-013
01-21-201-018
01-21-201-019
01-21-201-020
01-21-201-021
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9/23, 2019

Scott J. Gjovik
Gjovic Ford, Inc
2600 US Route 34 East,
Sandwich, IL 60548

Dear Mr. Gjovik,

As you may be aware, the December 1, 2019 Vehicle Maintenance Agreement between Gjovik Ford, Inc. and Kendall County and the Kendall County Sheriff's Office ("Kendall County") is set to expire on November 30, 2019. Pursuant to Paragraph 2 of the Agreement, the term of the Agreement may be extended for another two (2) year period upon written agreement of the parties.

At this time, Kendall County seeks to invoke the optional two (2) year extension for vehicle maintenance services as described within the Agreement, its RFP, exhibits and attachments.

If Gjovik Ford is in agreement with the extension of the above referenced Vehicle Maintenance Agreement, which would cause it to continue from the period of December 1, 2019 through November 30, 2021, then please sign below and forward the same to the Kendall County Sheriff's Office within the next seven (7) days.

We appreciate the work that has been done thus far and look forward to the continuation of our relationship under this agreement.

KENDALL COUNTY SHERIFF'S OFFICE


COUNTY OF KENDALL, ILLINOIS



Dwight Baird
Kendall County Sheriff

Scott Gryder
Chairman, Kendall County Board

GJOVIK FORD, INC.



Thomas J. Conlin



General Manager
Title



Kendall County
Office of the Sheriff



MEMORANDUM

TO: COUNTY BOARD
FROM: DWIGHT BAIRD, SHERIFF 
SUBJECT: VEHICLE MAINTENANCE CONTRACT AWARD
DATE: OCTOBER 30, 2017
CC: AS NEEDED



Please see the attached memorandum from Deputy Commander Langston regarding the vehicle maintenance contract for the Kendall County Sheriff's office. We are recommending Gjovik Ford be awarded a 2-year contract, December 1, 2017, to December 1, 2019, for vehicle maintenance to Kendall County Sheriff vehicles. There is an option for a 2-year extension for December 2019 to December 2021, with written notice from the county. The States Attorney's office reviewed and approved the contract.

VEHICLE MAINTENANCE SERVICE PROVIDER CONTRACT

AGREEMENT

This Agreement is entered into the day and year set forth below between Kendall County, Illinois, a unit of local government, and the Kendall County Sheriff (hereinafter referred to collectively as "Kendall County" or "County") and Giovik Ford, Inc., with its principal place of business at Sandwich, IL (hereinafter referred to as "Bidder"). In consideration of the mutual covenants hereinafter set forth, and other good and valuable consideration, the parties hereto agree as follows:

1. All recitals set forth above are hereby incorporated in this Agreement by reference. Also, this Agreement hereby incorporates by reference all terms and conditions set forth in the Kendall County Sheriff's Office Vehicle Maintenance Service Request for Proposal issued on or about August 1st, 2017 (hereinafter referred to as "RFP") and all attachments and addenda thereto, all of which are collectively referred to herein as "the Agreement."
2. Pursuant to and set forth in this Agreement, Bidder will provide the County with the vehicle maintenance services as set forth in the RFP. Services as set forth in the RFP are attached hereto as Exhibit A and incorporated by reference herein. The services set forth in this Agreement shall commence on 12/01/2017 and shall continue until 11/30/2019 or as terminated pursuant to Paragraphs 9 or 10 of this Agreement, whichever occurs first. If the Agreement terminates on 11/30/2019, the Agreement may be extended for one (1) additional two (2) year term (i.e., from December 1, 2019 through December 30, 2021), provided the County agrees in writing to the extension.
3. In consideration for Bidder providing the services set forth in this Agreement, the County agrees to pay Bidder as follows: The amounts awarded pursuant to bid as shown in RFP attachment B.

Bidder shall submit an invoice to the Sheriff's Office for payment pursuant to this Paragraph within thirty (30) calendar days after performing the service. Payment of the Invoice shall be subject to the Local Government Prompt Payment Act, 50 ILCS 505/1, *et seq.*

4. Because the vehicles are used for law enforcement purposes, Bidder agrees that no one shall be assigned to perform work on the Sheriff's Office's vehicles without the Sheriff's Office's prior approval. Should the Sheriff's Office have a complaint regarding the performance of the services or the behavior of Bidder's officers, employees and/or agents performing services under this Agreement, or should the Sheriff's office request a change in the manner in which the services are being performed pursuant to this Agreement, the Sheriff's Office shall transmit the same to the Bidder's on-site manager and/or to any other member of Bidder's management, who shall take immediate action and shall resolve the problem to the Sheriff's Office's satisfaction. Bidder's failure to take immediate action and/or to resolve the problem to the Sheriff's Office's satisfaction may result in a material breach of the Agreement.

consecutive calendar months during which the level of unemployment in the State of Illinois has exceeded 5%, as measured by the United States Bureau of Labor Statistics in its monthly publication of employment and unemployment figures", and (b) "Illinois laborer" as "any person who has resided in Illinois for at least thirty (30) days and intends to become or remain an Illinois resident." See 30 ILCS 570/1. Contractor understands and agrees that its failure to comply with this provision of the Contract Documents may result in immediate termination of the Contract Documents.

IN WITNESS WHEREOF, the parties hereto caused this Agreement to be executed this _____ day of _____, 2017.

BIDDER:

Gjovik Ford, Inc.

By: Scott J. Gryder

PRESIDENT

Title

COUNTY OF KENDALL, ILLINOIS

Scott Gryder

Chairman, Kendall County Board

KENDALL COUNTY SHERIFF

Dwight Baird

KENDALL COUNTY RAFFLE AND POKER RUN ORDINANCE
(Ordinance No. 19-____)

WHEREAS, on or about March 11, 1986, the Kendall County Board adopted Kendall County Ordinance 86-6 captioned “Kendall County Raffle Ordinance,” which established a system for the licensing of organizations to operate raffles in Kendall County, Illinois pursuant to the Illinois Raffles Act; and

WHEREAS, effective June 10, 2014, Illinois Public Act 98-644 amended the Illinois Raffles Act by incorporating licensing requirements for poker runs into the statute and renaming the statute “The Raffles and Poker Runs Act”; and

WHEREAS, effective July 19, 2019, Illinois Public Act 101-0109, made several additional amendments to the Illinois Raffles and Poker Runs Act including, but not limited to allowing raffle chances to be sold throughout the State of Illinois, including beyond the borders of the licensing body; and

WHEREAS, the Kendall County Board finds it necessary and in the public interest to amend Kendall County Ordinance 86-6 captioned “Kendall County Raffle Ordinance” by adopting this amended Kendall County Raffle and Poker Run Ordinance (hereinafter referred to as “Ordinance”) in lieu thereof; and

NOW, THEREFORE, BE IT ORDAINED by the Kendall County Board that the following Ordinance hereby amends the Kendall County Raffle Ordinance (Ordinance 86-6) in its entirety effective immediately:

Article I – General Provisions

Section 1. Recitals.

The above-identified recitals are incorporated as if fully set forth herein.

Section 2. Purpose.

The purpose of this Ordinance is to regulate and control the conduct of raffles and poker runs (a) within the unincorporated areas of Kendall County, Illinois and (b) within the corporate limits of any municipality that is a party to any intergovernmental cooperation agreement for raffle and poker run licenses within Kendall County.

Section 3. Intergovernmental Agreement.

The Chairman of the Kendall County Board and the Licensing Agent may enter into a written intergovernmental agreement with one or more Kendall County municipalities that have adopted a raffle and poker run ordinance consistent with this Ordinance to jointly establish a system for the licensing of organizations to operate raffles or poker runs within the unincorporated area of Kendall County and within the corporate limits of any municipality that is a party to such

intergovernmental agreement. Such agreement shall be consistent with the limitations of this Ordinance.

Section 4. Definitions.

For purposes of this Ordinance, the following words and phrases shall have meaning respectively ascribed to them in this Section:

- A. Business:** A voluntary organization composed of individuals and businesses who have joined together to advance the commercial, financial, industrial and civic interests of a community.
- B. Charitable:** An organization or institution organized and operated to benefit an indefinite number of the public. The service rendered to those eligible for benefits must also confer some benefit on the public.
- C. Educational:** An organization or institution organized and operated to provide systematic instruction in useful branches of learning by methods common to schools and institutions of learning which compare favorable in their scope and intensity with the course of study presented in tax-supported schools.
- D. Fraternal:** An organization of persons having a common interest, the primary interest of which is to both promote the welfare of its members and to provide assistance to the general public in such a way as to lessen the burdens of government by caring for those that otherwise would be cared for by the government.
- E. Kendall County's jurisdiction:** For purposes of this Ordinance, Kendall County's jurisdiction to regulate and control the conduct of raffles and poker runs shall include the following: (a) within the unincorporated areas of Kendall County, Illinois and (b) within the corporate limits of any municipality that is a party to any intergovernmental cooperation agreement for raffle and poker run licenses within Kendall County. Hereinafter, these areas shall collectively be referred to as "Kendall County's jurisdiction".
- F. Key Location:** "Key location" means: (1) For a poker run, the location where the poker run concludes and the prizes are awarded.; and (2) For a raffle, the location where the winning chances in the raffle are determined.
- G. Labor:** An organization composed of workers organized with the objective of betterment of the conditions of those engaged in such pursuit and the development of a higher degree of efficiency in their respective occupations.
- H. Law Enforcement Agency:** "Law enforcement agency" means an agency of this State or a unit of local government in this State that is vested by law or ordinance with the duty to maintain public order and to enforce criminal laws or ordinances.

- I. Licensing Agent:** The Raffle and Poker Run Licensing Agent for Kendall County is the Kendall County Clerk and Recorder.
- J. Licensee:** an organization that has been issued a license to operate a raffle or poker run.
- K. Net Proceeds:** “Net Proceeds” mean the gross receipts from the conduct of raffles or poker runs, less reasonable sums expended for prizes, local license fees, and other operating expenses incurred as a result of operating a raffle or poker run.
- L. Non-profit:** An organization or institution organized and conducted on a not-for-profit basis with no personal profit inuring to any one as a result of the operation.
- M. Poker Run:** “Poker run” means a prize-awarding event organized by an organization licensed under the Illinois Raffles and Poker Runs Act in which participants travel to multiple predetermined locations, including a key location, to play a randomized game based on an element of chance. “Poker run” includes dice runs, marble runs, or other events where the objective is to build the best hand or highest score by obtaining an item or playing a randomized game at each location.
- N. Raffle:** A form of lottery, as defined in subsection (b) of Section 28-2 of the Criminal Code of 2012 conducted by an organization licensed under this Ordinance and/or the Raffles and Poker Runs Act, in which:
 - 1. The player pays or agrees to pay something of value for a chance, represented and differentiated by a number or by a combination of numbers or by some other medium, one or more of which chances is to be designated the winning chance; and
 - 2. The winning chance is to be determined through a drawing or by some other method based on an element of chance by an act or set of acts on the part of persons conducting or connected with the lottery, except that the winning chance shall not be determined by the outcome of a publicly exhibited sporting contest.

For purposes of this Ordinance, “raffle” does not include any game designed to simulate any one or more of the following:

- 1. Gambling games as defined in the Riverboat Gambling Act;
- 2. Any casino game approved for play by the Illinois Gaming Board;
- 3. Any games provided by a video gaming terminal, as defined in the Video Gaming Act; or

- 4. A savings promotion raffle authorized under Section 5g of the Illinois Banking Act, Section 7008 of the Savings Bank Act, Section 42.7 of the Illinois Credit Union Act, Section 5136B of the National Bank Act, or Section 4 of the Home Owners' Loan Act.
- O. **Religious:** Any church, congregation, society, or organization founded for the purpose of religious worship.
- P. **State Law:** The Illinois Raffles and Poker Runs Act, as amended, 230 ILCS 15/0.01 *et seq.*
- Q. **Veterans:** An organization or association comprised of members of which substantially all are individuals who are veterans or spouses, widows, or widowers of veterans, the primary purpose of which is to promote the welfare of its members and to provide assistance to the general public in such a way as to confer a public benefit.

Section 5. Miscellaneous.

Words and phrases not defined in this Article shall have the same meaning as the same or similar words or phrases defined and used in the State Law.

Article II – Licenses and Classifications

Section 1. Authority to Issue License.

Kendall County's Licensing Agent shall have the authority to issue licenses for raffles and poker runs where the raffle or poker run's key location is within Kendall County's jurisdiction.

Section 2. License Required.

No person, firm, corporation or other type of organization shall conduct a raffle(s), chance(s) or poker run(s) with a key location in Kendall County's jurisdiction without first having obtained a license pursuant to this Ordinance.

A raffle license issued pursuant to this Ordinance shall authorize the holder of the raffle license to sell raffle chances throughout the State of Illinois, including beyond the borders of Kendall County's jurisdiction. Each poker run license issued shall include the name and address of each predetermined location.

Section 3. Qualifications for a License

A. Qualification of Applicant: Raffle and poker run licenses shall be issued only:

- 1. to bona fide religious, charitable, labor, business, fraternal, educational, veterans', or other bona fide not-for-profit organizations, that operate

without profit to their members and which have been in existence continuously for a period of five (5) years immediately before applying for a license and which have, during that entire five (5) year period been engaged in carrying out their objectives; or

2. to a non-profit fundraising organization that the Licensing Agent determines is organized for the sole purpose of providing financial assistance to an identified individual or group of individuals suffering extreme financial hardship as the result of an illness, disability, accident or disaster; or
3. to any law enforcement agencies and statewide associations that represent law enforcement officials.

The Licensing Agent may waive the five (5) year requirement for a bona fide religious, charitable, labor, business, fraternal, educational, or veterans' organization that applies for a license to conduct a raffle or a poker run if the organization is a local organization affiliated with and chartered by a national or State organization that meets the five (5) year requirement.

Licenses for poker runs shall be issued only for the following purposes: (i) to provide financial assistance to an identified individual or group of individuals suffering extreme financial hardship as the result of an illness, disability, accident, or disaster; or (ii) to maintain the financial stability of the organization.

B. Restrictions on Licenses: The following groups or individuals are ineligible for a raffle or poker run license under this Ordinance:

1. Any person whose felony conviction will impair the person's ability to engage in the licensed position;
2. any person who is or has been a professional gambler or professional gambling promoter;
3. any person who is not of good moral character;
4. any organization in which a person defined in Article II, Section 3(B)(1), 3(B)(2), or 3(B)(3) has a proprietary, equitable, or credit interest, or in which such a person is active or employed;
5. any organization in which a person defined in Article II, Section 3(B)(1), 3(B)(2), or 3(B)(3) is to participate in the management or operation of a raffle or poker run as defined by State Law; and
6. any organization in which a person defined in Article II, Section 3(B)(1), 3(B)(2), or 3(B)(3) is an officer, director, or employee, whether compensated or not.

Article III –Application and Issuance of a License

Section 1. Application for a License.

An applicant shall submit a raffle/poker run application using the form provided by the Licensing Agent. Applications must be submitted to the Licensing Agent at least thirty (30) calendar days prior to conducting the raffle or poker run and prior to selling tickets or chances for a raffle. Completion of an application does not guarantee approval or issuance of a raffle/poker run license.

Section 2. Required Information.

- A. Required Information:** All raffle/poker run applications must include all of the following information:
1. The name, address and type of organization;
 2. The length of existence of the organization and, if incorporated, the date and state of incorporation;
 3. The name, home address, telephone number, and date of birth of the organization's presiding officer, secretary, the raffle/poker run manager(s), and any other members responsible for the conduct and operation of the raffle(s)/poker run(s);
 4. The maximum number of raffle chances to be issued;
 5. The date(s) and area(s) where raffle chances will be sold or issued or a poker run will be conducted;
 6. The date(s), time(s), and location(s) at which winning chances will be determined;
 7. An itemized list of prizes and the retail value of each prize to be awarded in the raffle or poker run;
 8. The price to be charged for each raffle ticket, participation voucher, or poker hand sold;
 9. A sworn statement that contains all of the information set forth in Article III, Section 2(B) of this Ordinance;
 10. A copy of the applicant's articles of incorporation and/or charter; and
 11. Such other information as the Licensing Agent may require.
- B. Sworn Statement:** All license applications shall contain a sworn statement attesting to the accuracy of the information provided and to the not-for-profit character of the applicant or organization. Said statement shall be signed by the presiding officer and secretary of the applicant or organization.
- C. Political Committees:** Political committees must include documentation of raffle approval from the State Board of Elections when applying for a raffle license with Kendall County's Licensing Agent. Raffle licenses for political committees will be issued in accordance with the terms and provisions of this Ordinance and the Act.

Section 3. Applicant Convictions:

- A.** Applicants shall not be required to report the following information on their license application, and the Licensing Agent shall not consider the following criminal history records in connection with an application for licensure:
1. Juvenile adjudications of delinquent minors as defined in Section 5-105 of the Juvenile Court Act of 1987, subject to the restrictions set forth in Section 5-130 of the Juvenile Court Act of 1987;
 2. Law enforcement records, court records, and conviction records of an individual who was 17 years old at the time of the offense and before January 1, 2014, unless the nature of the offense required the individual to be tried as an adult;
 3. Records of arrest not followed by a conviction;
 4. Convictions overturned by a higher court; and
 5. Convictions or arrests that have been sealed or expunged.
- B.** The Licensing Agent, upon a finding that an applicant for a license was previously convicted of a felony, shall consider any evidence of rehabilitation and mitigating factors contained in the applicant's record, including any of the following factors and evidence, to determine if the conviction will impair the ability of the applicant to engage in the position for which a license is sought:
1. The lack of direct relation of the offense for which the applicant was previously convicted to the duties, functions, and responsibilities of the position for which a license is sought;
 2. Whether five (5) years since a felony conviction or three (3) years since release from confinement for the conviction, whichever is later, have passed without a subsequent conviction;
 3. If the applicant was previously licensed or employed in the State of Illinois or other states or jurisdictions, then the lack of prior misconduct arising from or related to the licensed position or position of employment;
 4. The age of the person at the time of the criminal offense;
 5. The successful completion of sentence and, for applicants serving a term of parole or probation, a progress report provided by the applicant's probation or parole officer that documents the applicant's compliance with conditions of supervision;

6. Evidence of the applicant's present fitness and professional character;
 7. Evidence of rehabilitation or rehabilitative effort during or after incarceration, or during or after a term of supervision, including, but not limited to, a certificate of good conduct under Section 5-5.5-25 of the Unified Code of Corrections or a certificate of relief from disabilities under Section 5-5.5-10 of the Unified Code of Corrections; and
 8. Any other mitigating factors that contribute to the person's potential and current ability to perform the duties and responsibilities of the position for which a license or employment is sought.
- C. If the Licensing Agent refuses to issue a license to an applicant because of the applicant's conviction, then the applicant shall be notified of the denial in writing with the following included in the notice of denial:
1. A statement about the decision to refuse to issue a license;
 2. A list of the convictions that the Licensing Agent determined will impair the applicant's ability to engage in the position for which a license is sought;
 3. A list of convictions that formed the sole or partial basis for the refusal to issue a license; and
 4. A summary of the appeal process or the earliest the applicant may reapply for a license, whichever is applicable.

Section 4. Review of Application and Appeal Process.

The Licensing Agent shall review all raffle and poker run applications and shall, within thirty (30) days from the date of receipt of the application, approve or deny the request for license. If the Licensing Agent approves the application, the Licensing Agent shall forthwith issue the raffle or poker run license to the applicant.

Any persons whose application is denied may appeal the denial to the Kendall County Board. Such appeal shall be in writing and must be filed with the Kendall County Clerk no later than ten (10) calendar days after the date of the written notice of denial. Upon the Kendall County Clerk's receipt of a written appeal, the Kendall County Board shall hear the appeal at its next regularly scheduled Kendall County Board meeting. Any person appealing a denial of a license application may be represented by an attorney; may call witnesses; and may cross-examine witnesses at the appeal hearing. The Chairperson of the Kendall County Board shall preside over such appeal hearing. The appeal shall be decided by a majority vote of the Kendall County Board members present for said vote.

Section 5. Contents of License.

A license shall show the following with respect to each raffle or poker run:

- A.** The area or areas in which raffle chances may be sold or issued;
- B.** The period of time during which raffle chances may be sold or issued, or a poker run will be conducted;
- C.** The maximum price which may be charged for each raffle chance issued or sold;
- D.** The date(s), time(s) and location(s) on or at which winning chances will be determined;

Section 6. Display of License.

Any person selling raffle chances or operating a poker run in Kendall County must carry a copy of the license issued for the raffle or poker run. Also, the license shall be prominently displayed at the time and location of the determination of the winning chances.

Section 7. Validity.

A raffle license issued pursuant to this Ordinance shall be valid for one (1) raffle or for a specified number of raffles to be conducted during a specified period not to exceed one (1) year. A poker run license issued pursuant to this Ordinance shall be valid for one (1) poker run or for a specified number of poker runs to be conducted during a specified period not to exceed one (1) year.

Article IV - Operation and Conduct

Section 1. Operation and Conduct.

Licensed raffles and poker runs are subject to the following restrictions:

- A.** The entire net proceeds of any raffle or poker run must be exclusively devoted to the lawful purposes of the licensee permitted to conduct that game.
- B.** No person except a bona fide director, officer, employee, or member of the licensee may manage or participate in the management of the licensed raffle or poker run.
- C.** No person may receive any remuneration or profit for managing or participating in the management of the raffle or poker run.
- D.** A licensee may rent a premises on which to determine the winning chance(s) in a raffle provided that the rent is not determined as a percentage of receipts or profits from the raffle.

- E. A licensee may contract with third parties who, acting at the direction of and under the supervision of the licensee, provide bona fide services to the licensee in connection with the operation of a raffle and may pay reasonable compensation for such services. Such services include the following: (a) advertising, marketing, and promotion; (b) legal; (c) procurement of goods, prizes, wares and merchandise for the purpose of operating the raffle; (d) rent, if the premises upon which the raffle will be held is rented; (e) accounting, auditing and bookkeeping; (f) website hosting; (g) mailing and delivery; (h) banking and payment processing; and (i) other services relating to the operation of the raffle.
- F. Raffle chances may be sold throughout the State of Illinois, including beyond the borders of the licensing municipality or county. Winning chances must be determined only at the time(s), date(s), and location(s) specified on the license.
- G. A person under the age of 18 years may participate in conducting raffles or chances or poker runs only with the permission of a parent or guardian. A person under the age of 18 years may be within the area where winning chances in a raffle or winning hands or scores in a poker run are being determined only when accompanied by his or her parent or guardian.
- H. If a raffle drawing or poker run is unable to be held as documented on the license due to an extreme emergency or natural disaster, the licensee must seek approval of the Licensing Agent before the drawing or poker run can be held on a different date. If a drawing or poker run is cancelled due to inadequate sale of entries or raffle tickets or due to some reason other than an extreme emergency or natural disaster, the licensee must notify all participants or ticket purchasers; refund all monies; and return all prizes within thirty (30) calendar days after the date of cancellation. The cancellation of a raffle or poker run shall be reported to the Licensing Agent within ten (10) calendar days of that decision with a full explanation as to the reason. There shall be no refund of the raffle or poker run license fee, unless approved by a majority vote of the Kendall County Board members present for said vote.
- I. Each entry or raffle chance shall have printed thereon the cost of the entry or chance, the maximum aggregate retail value of all prizes to be awarded in the raffle or poker run, and the maximum number of raffle chances or entries to be issued, except as provided below:
 - 1. When raffle chances or entries are sold, conveyed, issued, or otherwise transferred only at the time(s) and location(s) at which winning chances will be determined and only to persons then in attendance.
 - 2. When the raffle chance is also a ticket to an event and a portion of the cost of the ticket is designated for a dinner, golf or other item of value to be consumed or used by the purchaser at the event.

Section 2. Raffle or Poker Run Limits.

A. Maximum Price for Raffle Chances

1. The maximum price which may be charged for each raffle chance, participation voucher, or poker hand issued or sold, shall not exceed \$100.00.

B. Maximum Retail Value for Prizes

1. The aggregate retail value of all prizes or merchandise awarded by a licensee in a single raffle or poker run shall not exceed \$50,000.00.
2. The maximum retail value of each prize awarded by a licensee in a single raffle or poker run shall not exceed \$50,000.00.

Section 3. Raffle Manager and Bond.

- A. Raffle Manager Required:** All management, operation and conduct of raffles shall be under the supervision of a single manager as designated by the licensee on the license application.

- B. Bond:** The raffle manager shall give a fidelity bond in favor of the licensee condition upon the raffle manager's honesty in the performance of his or her duties. The amount of the fidelity bond shall, at a minimum, equal the sum of the aggregate retail value of the raffle prizes as set out on the raffle license application. If the amount of the fidelity bond exceeds \$15,000.00, the fidelity bond must have a corporate surety. Terms of the bond shall provide that notice shall be given in writing to the Licensing Agent not less than thirty (30) calendar days prior to its cancellation. The Licensing Agent, in his or her sole discretion, shall have the authority to waive this bond requirement only if the waiver of bond was approved in writing by an affirmative vote of the requisite number of licensee's members or, if the licensee does not have members, by an affirmative vote of the members of the licensee's governing board. A waiver of this bond requirement shall only be valid if the waiver is specifically identified, in writing, on the license.

- C.** Nothing in this Section shall be deemed to apply to poker runs.

Section 4. Documentation and Recordkeeping.

- A.** Each licensee shall keep records of its gross receipts, expenses and net proceeds for each single gathering or occasion at which winning chances in a raffle or winning hands or scores in a poker run are determined. All deductions from gross receipts for each single gathering or occasion shall be documented with receipts or other records indicating the amount, a description of the purchased item or service or

other reason for the deduction, and the recipient. The distribution of net proceeds shall be itemized as to payee, purpose, amount, and date of payment.

- B.** Gross receipts from the operation of raffles and poker runs shall be segregated from other revenue of the licensee including bingo gross receipts, if bingo games are also conducted by the same licensee pursuant to license issued by the Department of Revenue of the State of Illinois and placed in a separate account. Each licensee shall keep separate records of its raffles and poker runs. The person who accounts for gross receipts, net proceeds and expenses from the operation of raffles or poker runs shall not be the same person who accounts for other revenues of the licensee.
- C.** A licensee shall submit a written report to the Licensing Agent and to the licensee's membership (or, if the licensee does not have members, to the licensee's governing board) within thirty (30) calendar days after the conclusion of each authorized raffle or poker run, and said report shall contain all of the following information:
1. The gross receipts, expenses and net proceeds from the raffle or poker run;
 2. The distribution of all of the net proceeds of the raffle or poker run;
and
- The deadline to submit the written report may be extended at the sole discretion of the Licensing Agent. Any extension granted by the Licensing Agent must be in writing and signed by the Licensing Agent.
- D.** Records required by this Section shall be preserved by the licensee for a period of at least three (3) years after the conclusion of the raffle or poker run, and the licensee shall make their records relating to the operation of raffles or poker runs available for public inspection at reasonable times and places.
- E.** No new raffle or poker run licenses will be issued to an organization until all reports from the organization's previous raffles and poker runs within Kendall County's jurisdiction have been completed and submitted to the Licensing Agent in accordance with the terms of this Section.

Article V – Fees

The licensee shall pay a fee for each license issued by the Licensing Agent pursuant to this Ordinance. Payment shall be issued in full prior to the receipt of the license. Failure to submit payment may result in immediate revocation of the license. The total amount of the fee to be paid by the licensee shall be determined by the aggregate prize value for the licensee's raffle or poker run. The fee amount shall be as follows:

<u>Aggregate Prize Value</u>	<u>Fee</u>
Less than \$500.00	-0-
\$501.00 to \$5,000.00	10.00 per license

\$5,001.00 and over

10.00 per license

Article VI - Enforcement

Section 1. Penalties.

Failure to comply with any of the requirements of the Kendall County Raffle and Poker Run Ordinance shall constitute a violation. Any person, upon conviction thereof, shall be fined not more than \$500.00. Each day the violation continues shall be considered a separate offense. The Kendall County State's Attorney has authority to prosecute all violations of this Ordinance.

Section 2. Abatement.

The imposition of the penalties as described in this section shall not preclude the Kendall County State's Attorney from instituting appropriate action to prevent unlawful raffles or poker runs, or to restrain, correct or abate a violation of this Ordinance.

Article VIII – Miscellaneous

Section 1. Annual Report

No later than May 1 of each year, the Licensing Agent must prepare, publicly announce, and publish a report of summary statistical information relating to new and renewal license applications during the preceding calendar year. Each report shall show, at a minimum:

- A.** The number of applicants for a new or renewal license under this Ordinance within the previous calendar year;
- B.** The number of applicants for a new or renewal license under this Ordinance within the previous calendar year who had any criminal conviction;
- C.** The number of applicants for a new or renewal license under this Ordinance in the previous calendar year who were granted a license;
- D.** The number of applicants for a new or renewal license with a criminal conviction who were granted a license under this Act within the previous calendar year;
- E.** The number of applicants for a new or renewal license under this Ordinance within the previous calendar year who were denied a license; and
- F.** The number of applicants for a new or renewal license with a criminal conviction who were denied a license under this Ordinance in the previous calendar year in whole or in part because of a prior conviction.

Section 2. Unlawful Gambling

Nothing in the Ordinance shall be construed to authorize conducting or operating any gambling scheme, enterprise, activity, or device other than raffles or poker runs as provided by State Law.

Section 3. Relationship to Other Laws

Whenever regulations or restrictions imposed by this Ordinance are either more or less restrictive than regulations or restrictions imposed by any governmental authority through legislation, rules or regulations, the regulations, rules or restrictions which are more restrictive or which impose higher standards or requirements shall govern.

Section 4. Severability Clause

If any provision of this Ordinance or the application thereof is held to be unconstitutional or otherwise invalid by a court of competent jurisdiction, such ruling shall not affect any other provision of this Ordinance not specifically included in such ruling or which can be given effect without the unconstitutional or invalid provision or applications; and to this end, the provisions of this Ordinance are declared severable.

Section 5. Effective Date

This Ordinance shall be in full force and effect after its enactment by the Kendall County Board in accordance with the provisions of law until repealed or amended by a subsequent Kendall County Ordinance or Resolution or by a contrary federal or state statute, regulation or rule.

ADOPTED and APPROVED by the Kendall County Board this ____ day of October, 2019.

Scott Gryder, County Board Chairman
Kendall County, Illinois

Attest: _____
Debbie Gillette, County Clerk

Kendall County Clerk				
Revenue Report		9/1/19-9/30/19	9/1/18-9/30/18	9/1/17-9/30/17
Line Item	Fund	Revenue	Revenue	Revenue
	County Clerk Fees	\$ 883.00	\$ 663.00	\$ 761.00
	County Clerk Fees - Marriage License	\$ 1,920.00	\$ 2,130.00	\$ 2,340.00
	County Clerk Fees - Civil Union	\$ 30.00	\$ -	\$ 30.00
	County Clerk Fees - Misc	\$ 2,255.00	\$ 2,138.50	\$ 1,873.00
	County Clerk Fees - Recording	\$ 30,459.00	\$ 22,108.00	\$ 25,779.00
01010061205	Total County Clerk Fees	\$ 35,547.00	\$ 27,039.50	\$ 30,783.00
01010001185	County Revenue	\$ 34,389.25	\$ 35,259.75	\$ 33,856.25
38010001320	Doc Storage	\$ 17,770.00	\$ 13,260.00	\$ 15,242.00
51010001320	GIS Mapping	\$ 30,021.00	\$ 22,393.00	\$ 25,640.00
37010001320	GIS Recording	\$ 3,753.00	\$ 2,801.00	\$ 3,200.00
01010001135	Interest	\$ 12.64	\$ 12.22	\$ 23.83
01010061210	Recorder's Misc	\$ 4,217.00	\$ 3,301.25	\$ 4,700.00
81010001320	RHSP/Housing Surcharge	\$ 15,894.00	\$ 11,934.00	\$ 13,698.00
37210001575	Tax Certificate Fee	\$ 560.00	\$ 280.00	\$ 320.00
37210001576	Tax Sale Fees	\$ 5.00	\$ 25.00	\$ 874.00
37210001577	Postage Fees	0		
CK # 18776	To KC Treasurer	\$ 142,168.89	\$ 116,305.72	\$ 128,337.08
Death Certificate Surcharge sent from Clerk's office \$924.00 ck # 18774				
Dom Viol Fund sent from Clerk's office \$325.00 ck # 18775				

Office of Jill Ferko

Kendall County Treasurer & Collector
111 W. Fox Street Yorkville, IL 60560

Kendall County General Fund

QUICK ANALYSIS OF MAJOR REVENUES AND TOTAL EXPENDITURES FOR TEN MONTHS ENDED 09/30/2019

<u>REVENUES*</u>	Annual <u>Budget</u>	2019 YTD <u>Actual</u>	2019 YTD <u>%</u>	2018 YTD <u>Actual</u>	2018 YTD <u>%</u>
Personal Property Repl. Tax	\$370,000	\$324,701	87.76%	\$296,689	74.17%
State Income Tax	\$2,221,490	\$2,207,814	99.38%	\$1,978,015	80.08%
Local Use Tax	\$685,000	\$676,433	98.75%	\$578,530	91.83%
State Sales Tax	\$550,000	\$440,442	80.08%	\$455,217	82.77%
County Clerk Fees	\$325,000	\$281,010	86.46%	\$294,317	73.58%
Circuit Clerk Fees	\$800,000	\$668,523	83.57%	\$618,033	72.71%
Fines & Foreits/St Atty.	\$325,000	\$197,219	60.68%	\$251,059	66.07%
Building and Zoning	\$68,000	\$73,535	108.14%	\$66,218	101.87%
Interest Income	\$150,000	\$279,191	186.13%	\$174,021	201.18%
Health Insurance - Empl. Ded.	\$1,265,420	\$998,335	78.89%	\$960,844	73.94%
1/4 Cent Sales Tax	\$3,105,000	\$2,577,428	83.01%	\$2,555,450	86.63%
County Real Estate Transf Tax	\$425,000	\$359,128	84.50%	\$368,607	83.77%
Federal Inmate Revenue	\$1,618,750	\$1,945,575	120.19%	\$995,432	119.61%
Sheriff Fees	\$177,340	\$136,351	76.89%	\$163,384	66.69%
TOTALS	\$12,086,000	\$11,165,685	92.39%	\$9,755,816	84.12%
Public Safety Sales Tax	\$5,220,000	\$4,480,988	85.84%	\$4,390,027	86.62%
Transportation Sales Tax	\$5,000,000	\$4,480,988	89.62%	\$4,390,027	92.42%

*Includes major revenue line items excluding real estate taxes which are to be collected later. To be on Budget after 10 months the revenue and expense should at 83.30%

EXPENDITURES

All General Fund Offices/Categories	\$28,587,023	\$21,700,234	75.91%	\$21,865,556	76.63%
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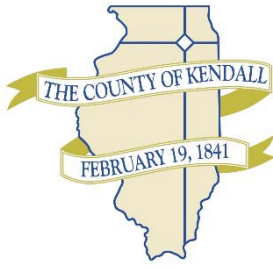
KENDALL COUNTY CORONER
— JACQUIE PURCELL —

Description	**	Month: September (FY 2019)	Fiscal Year-to- Date	September 2018
Total Deaths		35	250	26/256
Natural Deaths		30	229	23/212
Accidental Deaths		1	6	1/12
Pending		2	2	0
Suicidal Deaths		1	11	2/6
Homicidal Deaths		1	1	0/1
Undetermined		0	1	0/2
Toxicology		5	24	2/28
Autopsies		5	18	1/25
Cremation Authorizations		14	130	23/157
Scenes Responded to:		Transported by Coroner's Office:		External Examinations:
6		5		1
Pending – September 5, 2019, 36-year-old, White, Male, Oswego, Pending Toxicology Results Accident - September 5, 2019, 72-year-old, White, Female, Lisbon Twp., Blunt Force Injuries due to Motor Vehicle Collision Homicide – September 21, 2019, 1-year-old, White, Male, Joliet, Multiple Gunshot Wounds Suicide – September 21, 2019, 35-year-old, White, Male, Joliet, Multiple Gunshot Wounds Pending – September 30, 2019, 37-year-old, White, Male, Yorkville, Pending Toxicology Results				

PERSONNEL/OFFICE ACTIVITY:

1. On September 4, Coroner Purcell facilitated the Lights of Hope meeting for loved ones who have been impacted by an overdose related death.
2. On September 16, Chief Deputy Coroner Gotte presented at the IL Parks Law Enforcement Association (IPLEA) annual conference regarding the coroner's system and responsibilities in Illinois.
3. On September 18, Coroner Purcell attended the Gift of Hope training and luncheon in Kankakee, Illinois.
4. On September 27, Coroner Purcell presented to the Science Careers Class at Oswego High School.
5. A total of 7.0 hours of community service were completed at the coroner's office during the month of September.

CARORUM AD CURAM



Kendall County Agenda Briefing

Committee: PBZ

Meeting Date: 10/07/19

Amount: \$9360

Budget: PT Enforcement Officer - 010-2-002-6103 PBZ Official - existing position budget neutral

Issue: PT Code Enforcement Officer and PBZ Official Job Descriptions

Background and Discussion:

A new PT Code Enforcement Officer position is proposed for the FY 19-20 budget. The attached job description has been reviewed by the SAO and Administrative Services with all proposed changes outlined in the attached memo and approved by the PBZ Committee.

PBZ Official Job Description - In 2016 the SAO reviewed the proposed job description for the existing PBZ Official position. This proposed job description was never approved. Attached is the proposed job description with accepted edits from the SAO and Administrative Services.

Committee Action:

PBZ Committees voted 5-0 to forward PT Code Enforcement Officer and PBZ Official job descriptions to the County Board for approval.

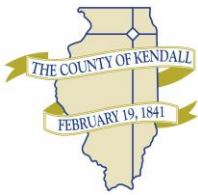
Staff Recommendation:

Please see attached memo from Staff with SAO and staff recommendations.

Prepared by: Mera Johnson - Risk Management and Compliance Coordinator

Department: Administrative Services

Date: October 9, 2019



KENDALL COUNTY ADMINISTRATIVE SERVICES DEPARTMENT

To: PBZ Committee; Matt Prochaska (Chair), Matt Kellogg (Vice Chair), Elizabeth Flowers, Scott Gengler, Judy Gilmour

From: Mera Johnson, HR Risk Management & Compliance Coordinator

Re: Code Enforcement Officer (Part Time) & Code Official Job Description Revision Memo

Please find the Code Enforcement Officer (Part Time) position job description attached. The job description has been reviewed by the State's Attorney Office and all proposed changes have been incorporated except for the bullet points noted below.

1. Under Essential Duties item A. non-permitted was questioned. Please see my explanation. An essential function of a Code Enforcement Officers Job is to respond to calls of non-permitted work being done or if they observe an non permitted project going on to address it. Non permitted construction is an item on to itself, not a description.
2. Under Essential Duties I added item F per discussions with Brian the Code Official. This person can assist with certain inspections.
3. Under Essential Duties J. I changed it to be more specific about what vehicle violations so it doesn't seem like tickets. Specifically junk and debris and inoperable vehicles.
4. Under Other Skills Knowledge and Abilities, the last item I kept the confidentiality clause, per Matt, the Senior Planner. It was suggested we go into more detail; however, I wasn't sure what to add. I know that perhaps for specific investigations, or even potential development confidentiality is appreciated.

Please find the Code Official job description attached. This was reviewed by the State's Attorney Office in 2016 but never finalized. I have incorporated all of the suggested changes and included additional changes suggested from the more recent review of the Code Enforcement Officer (Part Time) position. Please see the changes I have questions about below.

1. Under Education I added that an employee had 6 months to get certification. We could be excluding some qualified candidates that for example, have a plumbing license or experience in code enforcement. This is standard in the industry. However, it was mentioned the previous Board was opposed to this and wanted to hire only someone who already had the code certification.

Kendall County Job Description

TITLE: Code Enforcement Officer – Part Time
DEPARTMENT: Planning, Building and Zoning (PBZ)
SUPERVISED BY: County Administrator
FLSA STATUS: Non Exempt
APPROVED:

I. Position Summary:

Investigates complaints of possible violations of the Kendall County Zoning Ordinance and other applicable local, state and federal zoning laws and regulations (“Zoning Ordinances, Laws and Regulations”); provides information to the public on zoning requirements and home construction project violations; and obtains, where possible, voluntary compliance with Zoning Ordinances, Laws and Regulations. Under general supervision, has authority to request the removal or alteration of conditions or materials, which violate applicable Zoning Ordinances, Laws and Regulations. The employee will conduct field inspection duties independently, according to adopted Zoning Ordinances Laws and Regulations

II. Essential Duties and Responsibilities:

- A. Investigates complaints regarding the Zoning Ordinances, Laws and Regulations, including, but not limited to non-permitted construction, excavation, trailers, dumping, signs, junk vehicles and weeds, mobile homes and campgrounds.
- B. Conducts field inspections identifies property and building deficiencies that don’t comply with applicable Zoning Ordinances, Laws and Regulations.
- C. Contacts persons responsible for violations and issues notice to discontinue, remove or alter conditions which conflict with Zoning Ordinances, Laws and Regulations.
- D. Prepares investigative documentation, including memoranda and photographs required to support findings.
- E. Maintains on-going surveillance of assigned area for compliance with Zoning Ordinances, Laws and Regulations.
- F. Assists Building Official as necessary with any non-licensed inspections such as concrete, flatwork, foundation, form survey and insulation
- G. Attends court, as needed, regarding violation cases submitted for prosecution.
- H. Assists the State’s Attorney’s Office in pursuing ordinance violations, including, drafting and signing necessary and appropriate documents.
- I. Performs property record searches to determine accuracy of data such as location, ownership, district and legal description.

- J. Issues inoperable vehicle and junk and debris ordinance violation notices.
- K. Coordinates investigations with Law Enforcement, the Health Department and other investigative agencies, as needed.
- L. Prepares and maintains records regarding and relating to all duties performed by the employee, including but not limited to inspection logs, photographs, violation notices, reports of findings, records of inspections and review.
- M. Evaluates the code compliance process and provides recommendations for improvements to direct supervisor.
- N. Travels throughout Kendall County for zoning ordinance, law and regulation compliance purposes.
- O. Operates county vehicle safely.
- P. Performs other duties as assigned by supervisor.
- Q. Attends conferences, seminars, training, meetings and prepares reports, as needed.
- R. Adheres to all work and safety policies.
- S. Follows governmental functions of development regulation and the role of the employee as service provider.
- T. Maintain regular communication with his or her supervisor.

III. Supervisory Responsibilities:

This job has no supervisory responsibilities

IV. Qualifications:

To perform this job successfully, an individual must be able to perform all essential duties satisfactorily. The requirements listed below are representative of the knowledge, skills and/or ability required for the position.

A. Language Skills:

- Ability to research, read, and interpret documents and simple instructions.
- Ability to prepare documents, reports, minutes, agendas, and correspondence.
- Ability to speak effectively with the public, employees, outside entities, vendors, and the County's elected officials in both a one-on-one and group settings.
- Requires proficiency in the English language, spelling, and grammar.

B. Mathematical Skills:

- Ability to add, subtract, multiply and divide in all units of measure, using whole numbers, common fractions, and decimals.
- Ability to compute rate, ratio, and percent and to draw and interpret bar graphs.

C. Reasoning Ability:

- Ability to apply common sense understanding to carry out instructions furnished in written, oral, or diagram form.
- Ability to deal with problems involving several concrete variables in standardized situations.
- Ability to analyze problems, identify alternative solutions, project consequences of proposed actions, and implement recommendations.
- Ability to evaluate situations and draw conclusions.

D. Other Skills, Knowledge and Abilities

- Strong organizational skills and attention to detail.
- Knowledge of zoning and related regulations and of the provisions of the County Zoning Ordinance.
- Knowledge of methods and practices used in construction, repair, and land survey.
- Knowledge of building codes and their application for purposes of evaluating buildings and their condition.
- Basic knowledge of the County geography.
- Knowledge of applicable federal, state, and local laws, rules, regulations, codes, and/or statutes.
- Ability to interpret plans and specifications.
- Ability to gather violation data and ownership information based on field observation.
- Knowledge of and ability to use investigative questioning techniques.
- Proficient knowledge of MS Word, Excel, Outlook, Power Point.
- Ability to learn procedures, rules, regulations and services applicable to the assigned office.
- Ability to manage projects and multiple priorities simultaneously.
- Ability to establish and maintain effective working relationships with department and staff, other departments, elected officials and others, such as vendors and the general public.
- Ability to work with confidential information.

E. Education and Experience:

- A minimum of a high school diploma or GED is required.
- Code enforcement, law enforcement or other administrative experience is preferred.
- Valid and current Illinois Driver's License and good driving record is required.

IV. Physical Demands:

While performing the duties of this job, the employee must be able to:

- Frequently sit for hours in meetings and/ or a vehicle;
- Occasionally lift and or move up to 40 pounds;
- Frequently lift and/or move up to 10 pounds;
- Stand and walk on uneven ground and at development sites;
- Use hands to finger, handle, or feel;
- Reach, push and pull with one and/or both hands and arms;
- Bend over at the waist and reach with one and/or both hands and arms;
- Climb and balance at sites;
- Stoop, kneel, crouch and or crawl;
- Talk and hear in person and via use of telephone;
- Operate County vehicles and;
- Specific vision abilities include close and distance vision, depth perception; and

- Travel independently to various sites, public hearings and other meetings and locations both within and outside Kendall County

V. Work Environment:

The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. While performing the duties of this job, the employee is subject to the following working conditions:

- Inside and outside environmental conditions.
- Will be exposed to driving and onsite construction conditions.
- The noise level in the work environment varies from quiet to noisy.
- The employee must be able to perform all assigned job duties during normal business hours and outside of normal business hours.
- The employee may be exposed to stressful situations while working with elected officials, consultants, attorneys, applicants and the general public.
- The employee may be required to provide own transportation to travel to and from meetings, training, conferences, etc.

By signing my name below, I hereby affirm that I received a copy of this job description.

Employee Receipt Acknowledgement & Signature

Date

Signature of Supervisor
cc: personnel file, employee

Date

Kendall County Job Description

TITLE: Code Official – Planning, Building and Zoning
DEPARTMENT: Planning, Building and Zoning (PBZ)
SUPERVISED BY: County Administrator
FLSA STATUS: Non Exempt
APPROVED: In Process

I. Position Summary:

Manages, coordinates, and conducts building related activities related to the Kendall County Zoning Ordinance and other applicable local, state and federal building and zoning regulations. Under general supervision, performs work of moderate difficulty in reviewing building permit applications, plan review and inspecting new and existing structures for compliance with all applicable codes, ordinances.

II. Essential Duties and Responsibilities:

- A. Explains, applies, and enforces the Kendall County Zoning Ordinance and all other applicable local, state and federal building and zoning codes, ordinances and regulations.
- B. Interprets and applies all provisions of the building, electrical, plumbing, and related codes and advises the Planning Building and Zoning Committee on building code matters.
- C. Enforces zoning, subdivision, flood plain, building, erosion control, storm water management, and related codes at county, state, and national levels.
- D. Performs plan reviews and inspections issues permits accordingly.
- E. Researches and updates pending building code revisions.
- F. Coordinates with the Office Assistant to schedule inspections and manage the inspection calendar.
- G. Coordinates outside plan reviewers to schedule and perform inspections in their absence.
- H. Consults with and advises property owners, builders, architects, engineers, attorneys, surveyors, to ensure project compliance. Responds to technical inquiries regarding code and ordinance interpretation.
- I. Issues building and sign permits.
- J. Reviews permit applications, plans, drawings, and other documents for completeness, accuracy, and code compliance.
- K. Performs final inspection of construction projects at completion and issues of certificates of occupancy.
- L. Conducts inspections of permitted construction such as setback, footing, foundation, backfill, framing, wiring, damage and determines safety.
- M. Inspects signs and fences for compliance with County building and zoning specifications.
- N. Conducts investigations of alleged violations such as non-permitted construction, excavation, trailers, dumping, signs, junk vehicles, and weeds, permitted signs and mobile homes, campground and building inspections.
- O. Evaluates the building code compliance process and provides recommendations for improvements to forms, scheduling, fees, record keeping, and other County building and zoning related procedures, which recommendations are given particular weight by the final decision-maker.
- P. Prepares and maintains records regarding and relating to all job duties performed by the Code Official including, but not limited to, inspection logs, photographs of violations, reports of findings, records of permits, plan reviews, inspections, etc.
- Q. Travels throughout Kendall County for zoning/code compliance purposes.
- R. Operates county vehicle and arranges for maintenance and repairs of said vehicle.
- S. Performs other duties as assigned by supervisor.
- T. Adheres to all work and safety policies.

Kendall County Job Description

- U. Maintains regular attendance and is punctual.
- V. Attends conferences, seminars, training, meetings and prepares reports as needed.
- W. Follows government functions of development regulation and the role of the employee as a service provider.
- X. Maintain regular communication with his or her supervisor.

III. Supervisory Responsibilities:

This job has no supervisory responsibility.

IV. Qualifications:

To perform this job successfully, an individual must be able to perform all essential duties satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required for the position.

A. Language Skills:

- Ability to research, read, and interpret documents and simple instructions.
- Ability to prepare documents, reports, minutes, agendas, and correspondence.
- Ability to speak effectively with the public, employees, outside entities, vendors, and the County's elected officials in both a one-on-one and group settings.
- Requires proficiency in the English language, spelling, and grammar.

B. Mathematical Skills:

- Ability to add, subtract, multiply and divide in all units of measure, using whole numbers, common fractions, and decimals.
- Ability to compute rate, ratio, and percent and to draw and interpret bar graphs.

C. Reasoning Ability:

- Ability to apply common sense understanding to carry out instructions furnished in written, oral, or diagram form.
- Ability to deal with problems involving several concrete variables in standardized situations.
- Ability to analyze problems, identify alternative solutions, project consequences of proposed actions, and implement recommendations.
- Ability to evaluate situations and draw conclusions.

D. Skills, Knowledge and Abilities:

- Strong organization skills and attention to detail.
- Knowledge of zoning and related regulations and of the provisions of the County Zoning Ordinance.
- Knowledge of the principles and practices of construction, repair and land survey.
- Knowledge of construction, development regulations, and building plans, trades and codes including BOCA, CABO, National Electric Code, and others.
- Ability to comprehend complex code problems, to identify alternative solutions and prepare appropriate recommendations.
- Knowledge of building and property maintenance codes and ordinances.
- Ability to analyze and interpret plans and determine whether plans conform to the provisions of applicable codes and ordinances.
- Basic knowledge of the County geography.

Kendall County Job Description

- Knowledge of applicable federal, state and local laws, rules, regulations, codes and/or statutes
- Ability to investigate code violation complaints.
- Ability to work with confidential information.
- Ability to establish and maintain effective working relationships with Department staff, other Departments, Elected Officials and others such as contractors and the general public.
- Ability to use MS Word Excel, Outlook, PowerPoint.
- Ability to manage projects and multiple priorities simultaneously.

E. Education and Experience:

- A minimum of a high school diploma or General Education Degree is required.
- A minimum of at least four (4) years in construction and building experience is required.
- A minimum of at least two (2) years building/code inspector experience is preferred
- Valid and current Illinois Driver's License and good driving record is required.
- All other licenses and certifications required to perform assigned job duties.
- Must obtain certification by ICC or a comparable organization as a qualified building official, or inspector of residential and non-residential structures during the probationary period.

V. Physical Demands:

While performing the duties of this job, the employee must be able to:

- Frequently sit for hours in meetings, office and/or a vehicle;
- Occasionally lift and/or move up to 40 pounds;
- Frequently lift and/or move up to 10 pounds.
- Stand and walk on uneven ground and at development sites;
- Use hands to finger, handle, or feel;
- Reach, push and pull with one and/or both hands and arms;
- Bend over at the waist and reach with one and/or both hands and arms;
- Climb and balance at development sites;
- Stoop, kneel, crouch, and/or crawl;
- Talk and hear in person and via use of telephone;
- Operate County vehicles and safety equipment;
- Specific vision abilities include close and distance vision, depth perception; and
- Travel independently to development sites, public hearings and other meetings and other locations both within and outside Kendall County, Illinois.

VI. Work Environment:

The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. While performing the duties of this job, the employee is subject to the following working conditions:

- Inside and outside environmental conditions.
- Will be exposed to driving and onsite construction conditions.
- The noise level in the work environment varies from quiet to noisy.
- The employee must be able to perform all assigned job duties during normal business hours and outside of normal business hours.
- Employee may be exposed to stressful situations while working with elected officials, consultants, attorneys, applicants, and the general public.

Kendall County Job Description

- Employee may be required to provide own transportation to travel to and from meetings, training, conferences, etc.

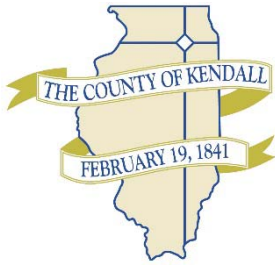
By signing my name below, I hereby affirm that I received a copy of this job description.

Employee Receipt Acknowledgement & Signature

Date

Signature of Supervisor
cc: personnel file, employee

Date



Kendall County Agenda Briefing

Committee: Admin HR

Meeting Date: September 5, 2019

Amount: N/A

Budget: N/A

Issue: Approval of GIS Mapping Recorded Document Policy

Background and Discussion:

There have been many instances where attorneys, title companies, and the public have insisted GIS staff to perform work not in their scope. GIS staff are not allowed to give legal advice nor perform land surveying, so review of legal descriptions in recorded documents must remain in the legal capacity of the GIS Department. An official Board policy that staff can direct people to would be helpful.

Committee Action:

Motion made by Member Gilmour, second by Member Vickers, to forward the Policy to the State's Attorney Office for review, then to the County Board for approval. With all five members voting aye, the motion carried.

Staff Recommendation:

Staff recommends that the policy is implemented.

Prepared by: Meagan Briganti

Department: GIS

Date: September 24, 2019

Kendall County GIS Department Policy on Reviewing Legal Descriptions

(Effective October __, 2019)

Please be advised that this Policy is not intended to and does not create a contract of employment, express or implied, and this Policy does not alter the employment at-will relationship with Kendall County. This policy applies to all employees and interns of the Kendall County GIS Department, and it supersedes any and all other policies regarding or relating to review of legal descriptions previously adopted by the Employer.

According to the Illinois Professional Land Surveyor Act (225 ILCS 330/1, et seq.), only a licensed professional land surveyor may prepare a legal description. Given that statutory restriction, an employee of the Kendall County GIS Department may not:

- 1) prepare a full legal description;
- 2) review a legal description prior to recording of a document; or
- 3) provide advice on how to solve any error in a legal description.

If, after the recording of a document, a private attorney, title company employee, or other member of the public is notified by a County department or office of an error in the document's legal description, they may request the GIS Department to map the legal description. The GIS employee may provide the requester with an image of the map. The GIS employee may not provide any further information or opinion to the requester on the results of the mapping other than to identify the following:

- 1) The legal description does not create a closed boundary.
- 2) The legal description includes property not owned by the document's Grantor.
- 3) The legal description splits property.
- 4) The legal description contains critical errors that prevent mapping.

Kendall County does not map based on intent, and thus, the legal description on the recorded document must reflect the subject property at the time of recording.

Notwithstanding this policy, Kendall County GIS Department employees may provide assistance to other Kendall County departments and offices in accordance with applicable law.

Receipt of Kendall County GIS Department Policy on Reviewing Legal Descriptions

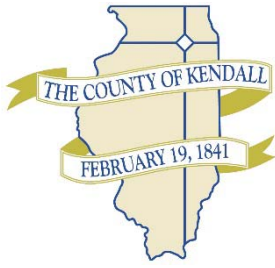
Your signature below affirms that you have received a copy of the Kendall County GIS Department Policy on Reviewing Legal Descriptions, which is effective October ____, 2019. By signing this acknowledgment form, you affirm that you have read and will abide by the Kendall County GIS Department Policy on Reviewing Legal Descriptions.

BY SIGNING BELOW, YOU ALSO UNDERSTAND THAT YOUR EMPLOYMENT WITH KENDALL COUNTY, ILLINOIS REMAINS EMPLOYMENT "AT-WILL", WHICH MEANS THAT YOUR EMPLOYMENT MAY BE TERMINATED AT ANY TIME, WITH OR WITHOUT CAUSE. YOU FURTHER UNDERSTAND THAT NOTHING IN THE KENDALL COUNTY GIS DEPARTMENT POLICY ON REVIEWING LEGAL DESCRIPTIONS IS INTENDED TO AND/OR DOES CREATE A CONTRACT OF EMPLOYMENT, EXPRESS OR IMPLIED.

Signature of Employee

Date

This form is to be signed and returned to the employee's immediate supervisor.



Kendall County Agenda Briefing

Committee: Admin HR

Meeting Date: October 7, 2019

Amount: \$4,642,428

Budget: 010-2-027-6547 Health Insurance Premiums

Issue: Blue Cross Blue Shield 2020 Health Insurance Plan Renewal, Blue Cross Blue Shield/ Dearborn 202 Basic & Voluntary Life Insurance Plan (voluntary programs new), Eye Med 202 Vision Plan Renewal, MetLife 2020 Dental Insurance Plan

Background and Discussion:

Beth Ishmael from the Horton Group presented Insurance renewal data. Renewal numbers came in at a -3.6% decrease with the current carrier BCBS. If life/voluntary life or accident/critical illness insurance is added the decrease goes to -4.4%. There is an additional \$10,000 bill credit also proposed. This may be to help the County automate the enrollment process. If all four life/voluntary life and accident/critical illness policies are added then the decrease goes to -5.3%. The same also a \$10,000 bill credit remains for including these ancillary programs. There is a quota for the accident/critical illness insurance of 10 employees enrolled in the program. The Committee also decided to increase the life insurance benefit from \$10,000 to \$25,000.

Committee Action:

Motion made by Member Prochaska, second by Member Vickers to forward the renewal of BCBS 2020 Plan as 2019's Plan, increasing life insurance benefits from \$10,000 to \$25,000 and approval of new BCBS/Dearborn Voluntary Benefits Plan to the October 15, 2019 Board Meeting. All members present voting yes the motion carried.

Staff Recommendation:

Staff recommends offering all four ancillary lines life/voluntary life, accident/critical illness. However because of the quota the proposed decrease of -4.4% is recommended. Also increasing life insurance benefit from \$10,000 to \$25,000.

Prepared by: Mera Johnson, Risk Management & Compliance Coordinator

Department: Administrative Services

Date: October 10, 2019

The background of the slide features a close-up of a hand in a blue shirt pointing at a digital interface. The interface is composed of several circular icons arranged in a ring, including a family silhouette, a person silhouette, an information 'i' icon, a laptop, a pill, and a speech bubble. The overall tone is professional and tech-oriented.

The Horton Group's

Marketing Spreadsheet (Medical)

Prepared for: Kendall County

Renewal January 2020

Presented By:

Michael E. Wojcik

mike.wojcik@thehortongroup.com

Phone: 708-845-3126 / Cell: 708-650-1557

Insurance / Risk Advisory / Employee Benefits

HORTON

Kendall County
January 1, 2020

The following Medical markets were approached:	
<u>Carrier</u>	<u>Status</u>
BCBS	Incumbent
Aetna	Declined
Cigna	Declined
Humana	Declined
United Healthcare	Quoted

**Kendall County
Medical Review
January 1, 2020**



Enrollment From 2020 BCBS Renewal					
	EE	ES	EC	Family	Total
HMO	35	1	6	15	57
H.S.A	104	20	11	81	216
HSA \$2800	3	3	1	4	11
Total	142	24	18	100	284
%	50%	8%	6%	35%	100%

Presented by: Michael Wojcik

Assumes Life/Vol Life or Acc/CI Placed with BCBS

Carriers:	CURRENT BCBS			*RENEWAL ALTERNATIVE 1 BCBS		
Type of Plan	BA HMO	HSA	HSA	BA HMO	HSA	HSA
Network		Includes BVA	Includes BVA		Includes BVA	Includes BVA
In Network Benefits			Embedded			Embedded
Individual Deductible	\$500	\$1,500	\$2,800	\$500	\$1,500	\$2,800
Family Deductible	\$1,000	\$3,000	\$5,600	\$1,000	\$3,000	\$5,600
Co-Insurance	100%	100%	100%	100%	100%	100%
Individual Out of Pocket	\$2,000	\$3,000	\$3,800	\$2,000	\$3,000	\$3,800
OPX includes ded unless noted						
Family Out of Pocket	\$4,000	\$6,000	\$6,600	\$4,000	\$6,000	\$6,600
OPX includes ded unless noted						
Emergency Room Co-pay	\$300	\$300 After Ded	\$300 After Ded	\$300	\$300 After Ded	\$300 After Ded
Hospital Co-pay	100% After Ded	100% After Ded	100% After Ded	100% After Ded	100% After Ded	100% After Ded
Retail Rx Co-pay	\$10/40/60	\$10/40/60 After Ded	\$10/40/60 After Ded	\$10/40/60	\$10/40/60 After Ded	\$10/40/60 After Ded
Mail Order Rx Co-pay	2 .5x Retail	2.5x Retail	2.5x Retail	2 .5x Retail	2.5x Retail	2.5x Retail
Rx Individual Out of Pocket	Included in Med.	Included in Med.	Included in Med.	Included in Med.	Included in Med.	Included in Med.
Rx Family Out of Pocket	Included in Med.	Included in Med.	Included in Med.	Included in Med.	Included in Med.	Included in Med.
Primary Physician Office Visit Co-pay	\$20	100% After Ded	100% After Ded	\$20	100% After Ded	100% After Ded
Specialists Office Visit Co-pay	\$40	100% After Ded	100% After Ded	\$40	100% After Ded	100% After Ded
Preventative Services	100%	100%	100%	100%	100%	100%
Lifetime Maximum	UNLIMITED	UNLIMITED	UNLIMITED	UNLIMITED	UNLIMITED	UNLIMITED
Out of Network Benefits						
Individual Deductible		\$1,500	\$5,600		\$1,500	\$5,600
Family Deductible		\$3,000	\$11,200		\$3,000	\$11,200
Co-Insurance		80%	80%		80%	80%
Individual Out of Pocket		\$3,000	\$7,600		\$3,000	\$7,600
OPX includes ded unless noted						
Family Out of Pocket		\$6,000	\$13,200		\$6,000	\$13,200
OPX includes ded unless noted						
Emergency Co-pay		\$300 After Ded	\$300 After Ded		\$300 After Ded	\$300 After Ded
Hospital Co-pay		80% After Ded	80% After Ded		80% After Ded	80% After Ded
Physician Office Visit Services		80% After Ded	80% After Ded		80% After Ded	80% After Ded
Preventative Services		80% After Ded	80% After Ded		80% After Ded	80% After Ded
Lifetime Maximum		UNLIMITED	UNLIMITED		UNLIMITED	UNLIMITED
Medical Premium						
Employee	\$602.83	\$767.98	\$693.66	\$572.93	\$729.89	\$659.25
Employee + Spouse	\$1,507.03	\$1,919.92	\$1,734.16	\$1,432.28	\$1,824.69	\$1,648.12
Employee +Children	\$1,507.03	\$1,919.92	\$1,734.16	\$1,432.28	\$1,824.69	\$1,648.12
Family	\$1,507.03	\$1,919.92	\$1,734.16	\$1,432.28	\$1,824.69	\$1,648.12
Total Medical Monthly Premium	\$54,253.71	\$294,900.96	\$15,954.26	\$51,562.71	\$280,273.84	\$15,162.71
Total Annual Premium		\$4,381,307.16			\$4,163,991.12	
Annual ER HSA Seed		\$520,500.00			\$520,500.00	
Total Annual Prem & ER HSA Seed		\$4,901,807.16			\$4,684,491.12	
Annual Cost Increase					(\$217,316.04)	
Percent Change					-4.4%	
Transition / Communication Credit		(\$200,000.00)			(\$10,000.00)	

Annual Employer HSA Seed Contribution: \$1,500 EE Only; \$3,000 Family

*BCBS RENEWAL ALTERNATIVES - BCBS will provide a one-time Communication Credit of \$10,000 if Life / Voluntary Life, or Accident / Critical Illness is placed with BCBS.

*BCBS RENEWAL ALTERNATIVES - BCBS will provide a medical renewal premium rate discount: 1% discount if Life / Voluntary Life is placed with BCBS, and a 1% discount if Accident / Critical Illness is placed with BCBS. The discounts would apply each year as long as the ancillary products renew with BCBS.

Horton Benefit Solutions

Disclaimer Notice

Compensation

The Horton Group ("Horton") receives compensation for its services which may include one or a combination of standard agent and contingent/supplemental/bonus commissions paid by insurance companies and fees paid by clients.

Commissions: Horton receives commissions from insurance companies for placing insurance with them and the continued service of clients' insurance needs. Typically commissions are calculated as a percentage of earned policy premium. Each insurance company establishes the commission percentages that it pays on certain lines of insurance. Horton's commission is included in the insurance premium paid by clients.

Contingency, Supplemental and Bonus Commissions: Horton may receive additional compensation in the forms of, including but not limited to, contingent commission, supplemental commission or bonus commission. Contingent, supplemental or bonus commission is paid by the insurance companies based on a number of factors, all of which are determined by the insurance company. These factors include, but are not limited to: 1) the overall business Horton has placed with an insurance company, which could include factors for retained business, growth or new business, and 2) the profitability of that business. The commission paid depends on the size and performance of an entire group of accounts, as opposed to the profitability or placement of any particular policy. Horton has agency agreements with insurance companies that pay contingent, supplemental or bonus commission that outline the calculation for such contingent, supplemental or bonus commission payments. During the past five years, Horton's contingent, supplemental and bonus income has averaged less than 1% of total premiums.

Fee Based Income and Supplement Income

Horton may also receive compensation in the form of fees paid by clients. Under fee-based arrangements, clients agree to pay a fee to Horton net of, or in addition to, commission income. Horton fully discloses all fees in the form of a Fee Agreement. These fees may cover policy services, loss control services, safety consulting and/or claims administration. At times Horton will also provide clients with access to preferred vendors for services that relate to Horton's placement of insurance for its clients. These vendors pay supplemental income to Horton that relates to Horton's referral of the service to its clients.

Exposure Evaluation

All terms of this proposal are based on the evaluation of material provided by you or your employees. Horton expressly disclaims all liability for the content of such evaluation material, including but not limited to, any errors or omissions contained therein or arising therefrom. The terms of this proposal are subject to change if you provide new or revised evaluation material to Horton.

Coverage Terms & Conditions

All coverage terms and conditions in the preceding pages are intended as a reference only. Actual policies will contain full coverage exclusions or limitations, terms and conditions, and other wordings that are not summarized herein.

Other

Horton does not provide investment services or financial advisory services to clients, and Horton disclaims any and all liability to clients arising out of investment services or financial advisory services.

The background of the slide features a close-up of a hand in a blue shirt pointing at a screen. Overlaid on the screen are several circular icons: a family of three, a person silhouette, an information 'i' icon, a laptop, a pie chart, a speech bubble, and a star. The overall theme is technology and business services.

The Horton Group's

Marketing Spreadsheet - Ancillary Coverage

Prepared for: Kendall County

Renewal January 2020

Presented By:

Michael E. Wojcik

mike.wojcik@thehortongroup.com

Phone: 708-845-3126 / Cell: 708-650-1557

Insurance / Risk Advisory / Employee Benefits

HORTON

Kendall County
January 1, 2020

The following Dental markets were approached:	
<u>Carrier</u>	<u>Status</u>
MetLife	Incumbent
BCBS	Pending
Guardian	Quoted
Lincoln	Quoted
Principal	Declined

The following Life markets were approached:	
<u>Carrier</u>	<u>Status</u>
MetLife	Incumbent
BCBS/Dearborn	Quoted
Guardian	Quoted
Lincoln	Quoted
Principal	Declined
Standard	Quoted

The following Vision markets were approached:	
<u>Carrier</u>	<u>Status</u>
EyeMed	Incumbent

Kendall County
Dental Review
January 1, 2020



Enrollment from marketing census

EE	FAM	Total
164	183	347

Presented by: Mike Wojcik

Carriers:	CURRENT METLIFE	RENEWAL METLIFE
Type of Plan	PPO	PPO
Participation		
<u>In Network Benefits</u>		
Individual Deductible	\$50	\$50
Family Deductible	\$150	\$150
Preventative Co-Insurance	100%	100%
Deductible Waived on Preventative	Yes	Yes
Basic Co-Insurance	80%	80%
Major Co-Insurance	50%	50%
Orthodontia Co-Insurance	50%	50%
Deductible Waived on Ortho	Yes	Yes
Endodontics Co-Insurance	80%	80%
Periodontics Co-Insurance	80%	80%
Surgical Periodontics Co-Insurance	80%	80%
Annual Maximum	\$2,000	\$2,000
Orthodontia Lifetime Maximum	\$1,500	\$1,500
<u>Out of Network Benefits</u>		
Individual Deductible	\$50	\$50
Family Deductible	\$150	\$150
Preventative Co-Insurance	100%	100%
Deductible Waived on Preventative	Yes	Yes
Basic Co-Insurance	80%	80%
Major Co-Insurance	50%	50%
Orthodontia Co-Insurance	50%	50%
Deductible Waived on Ortho	Yes	Yes
Endodontics Co-Insurance	80%	80%
Periodontics Co-Insurance	80%	80%
Surgical Periodontics Co-Insurance	80%	80%
Annual Maximum	\$2,000	\$2,000
Orthodontia Lifetime Maximum	\$1,000	\$1,000
	90th R&C	90th R&C
<u>Dental Premium</u>		
Employee	\$37.12	\$37.12
Family	\$99.38	\$99.38
Total Monthly Premium	\$24,274.22	\$24,274.22
Total Dental Annual Premium	\$291,290.64	\$291,290.64
Percent Change		0.00%
Rate Guarantee	Until 12/31/20	Until 12/31/20
	2021 Rate Cap: 8%	2021 Rate Cap: 8%

**Kendall County
Basic Life Review
January 1, 2020**



Employees
340

Presented by: Michael Wojcik

Carriers	CURRENT METLIFE	RENEWAL BCBS/ DEARBORN
<u>Benefit Amount</u>	\$10,000	\$25,000
% Benefit Amt Reduces to at Age 65	65%	65%
% Benefit Amt Reduces to at Age 70	40%	50%
% Benefit Amt Reduces to at Age 75	25%	NA
% Benefit Amt Reduces to at Age 80	NA	NA
<u>Travel Assistance</u>	Included	Included
<u>Life Premium</u>		
Employee Life per \$1000	\$0.107	\$0.060
Employee AD&D per \$1000	\$0.040	\$0.024
Total for Life & AD&D	\$0.147	\$0.084
Life Volume	\$3,348,500	\$8,371,250
Life Monthly Premium	\$492.23	\$703.19
Life Annual Premium	\$5,906.75	\$8,438.22
Percentage Change		42.86%
Rate Guarantee	Until 12/31/20	Until 12/31/21

***OPTION BCBS/DEARBORN - If life/vol life coverage is placed, provides 1% medical premium discount & 1 time medical communication credit of \$10,000**

**Kendall County
Voluntary Life Review
January 1, 2020**

Benefits Presented by: Michael Wojcik

<u>Carriers</u>		CURRENT METLIFE	RENEWAL BCBS/DEARBORN
<u>Minimum Participation</u>		20%	23%
<u>Employee Benefit Amount</u>		Increments of \$10K up to \$300K or 5 x Annual Earnings	Increments of \$10K up to \$300K
<u>Benefit Reduction Schedule</u>			
% Benefit Reduces to at Age 65		n/a	65%
% Benefit Reduces to at Age 70		n/a	50%
% Benefit Reduces to at Age 75		n/a	n/a
% Benefit Reduces to at Age 80		n/a	n/a
<u>Dependent Life</u>			
Spouse Benefit		Increments of \$5K up to \$150K, not to exceed 50% of EE amount	Increments of \$5K up to \$150K, not to exceed 50% of EE amount
Child (ren) Benefit		15 Days - 6 Mo: \$250 6 Mo - 26 Years if full time student: Increments of \$2K to a maximum of \$10K	15 Days - 6 Mo: \$250 6 Mo - 26 Years: Increments of \$2K to a maximum of \$10K
<u>Guarantee Issue</u>			
Employee		\$150,000	\$150,000
Spouse		\$30,000	\$30,000
<u>Life Premium</u>		<u>EE & SP Rates/\$1k/Mo</u>	<u>EE & SP Rates/\$1k/Mo</u>
Under age 25		\$0.060	\$0.060
25-29		\$0.060	\$0.060
30-34		\$0.080	\$0.080
35-39		\$0.089	\$0.089
40-44		\$0.124	\$0.124
45-49		\$0.195	\$0.195
50-54		\$0.308	\$0.308
55-59		\$0.480	\$0.480
60-64		\$0.701	\$0.701
65-69		\$1.283	\$1.283
70-74		\$2.069	\$2.069
75 and Above		\$2.069	\$2.069
		<u>EE & SP AD&D Rates/\$1k/Mo</u>	<u>EE & SP AD&D Rates/\$1k/Mo</u>
AD&D/\$1k unless noted		\$0.028	\$0.028
Child		\$0.057	\$0.057
Child AD&D		\$0.043	\$0.043
<u>Rate Guarantee</u>		Until 12/31/20	Until 12/31/21

*OPTION BCBS/DEARBORN - If life/vol life coverage is placed, provides 1% medical premium discount & 1 time medical communication credit of \$10,000 (for life / voluntary life and Accident / CI).



**Kendall County
Voluntary Vision Review
January 1, 2020**

Enrollment from marketing census provided				
<u>EE</u>	<u>ES</u>	<u>EC</u>	<u>Family</u>	<u>Total</u>
108	37	28	79	252

Presented by: Michael Wojcik

<u>Carriers:</u>	CURRENT EyeMed	RENEWAL EyeMed
Copayment Exam	\$10	\$10
Copayment Materials	\$25	\$25
Examination Frequency (months)	12	12
Lenses Frequency (months)	12	12
Frame Frequency (months)	24	24
<u>In Network Benefits</u>		
Examination	Covered in Full after co-pay	Covered in Full after co-pay
Basic Lenses		
Single	Covered in Full after co-pay	Covered in Full after co-pay
Bifocal	Covered in Full after co-pay	Covered in Full after co-pay
Trifocal	Covered in Full after co-pay	Covered in Full after co-pay
Frame	up to \$130 allowance, 20% off balance	up to \$130 allowance, 20% off balance
Elective Contact Lenses	up to \$130 allowance	up to \$130 allowance
Necessary Contact Lenses	Covered in Full	Covered in Full
<u>Lens Options</u>		
Tint (Solid & Gradient)	\$15	\$15
Scratch Resistant Coating	\$15	\$15
Polycarbonate Lenses	\$0 for Children, \$40 for adults	\$0 for Children, \$40 for adults
Photochromic Lenses	\$75	\$75
Standard Progressive Lenses	\$90	\$90
UV protected lenses	\$15	\$15
Anti-reflective Coating	\$45-68	\$45-68
Other Options	20% off Retail	20% off Retail
<u>Out of Network Benefits</u>	Allowance	Allowance
Examination	\$30	\$30
Basic Lenses		
Single	\$25	\$25
Bifocal	\$40	\$40
Trifocal	\$60	\$60
Frame	\$65	\$65
Elective Contact Lenses	\$104	\$104
Necessary Contact Lenses	\$210	\$210
<u>Vision Premium</u>		
Employee	\$6.26	\$6.26
Employee + Spouse	\$11.90	\$11.90
Employee + Child(ren)	\$12.53	\$12.53
Family	\$18.42	\$18.42
Total Monthly Premium	\$2,922.40	\$2,922.40
Total Annual Premium	\$35,068.80	\$35,068.80
Percent Change		0.00%
<u>Rate Guarantee</u>	Until 1/1/19	Until 1/1/23

**Copay plus any additional add-ons for that service*



**Kendall County
Voluntary Group Accident Benefit Review
January 1, 2020**

Presented by: Mike Wojcik

Carrier:	NEW Effective 1/1/2020 BCBS
Accident Coverage Eligibility Participation Requirement Age Reduction Benefit Termination Benefits due to Accident Accidental Death Emergency Treatment (ER or Urgent Care Center) Ground Ambulance Initial Hospital Admission Hospital Confinement Coma Concussion Dislocation Fracture Laceration	24 Hour All Active Full-Time Employees 10 Enrolled N/A The Earlier of Retirement or Age 70 \$40,000 - Employee \$40,000 - Spouse \$12,500 - Child \$150 \$200 \$1,200 \$250 / day up to 1 Year \$12,500 \$150 Schedule up to \$4,000 Schedule up to \$5,000 Schedule up to \$500
Monthly Premium	
Employee	\$11.41
Employee & Spouse	\$18.92
Employee & Child	\$21.97
Family	\$34.47
Annual Premium	
Employee	\$136.92
Employee & Spouse	\$227.04
Employee & Child	\$263.64
Family	\$413.64
Rate Guarantee	Until 12/31/21

* Some not all benefits listed.

\$50 Wellness Credit

If BCBS Accident and CI are placed, then for Medical Renewal, BCBS will offer a one-time \$10,000 communication credit (for Accident / CI, and Life / Voluntary Life) and a 1% reduction to BCBS renewal medical premium rates.

Insurance / Risk Advisory / Employee Benefits
HORTON

Carrier	NEW Effective 1/1/2020 BCBS					
Benefit Schedule (upon first occurrence / diagnosis of condition) Portable Benefit Reduction Pre-Existing Condition Limitation Benefit Waiting Period Eligibility Benefit Amounts Employee Spouse Child Wellness Benefit Employee Spouse Guarantee Issue Amount Employee Spouse Child	Invasive Cancer. Heart Attack, Stroke, Major Organ Transplant, End Stage Renal Failure, Paralysis, Benign Brain Tumor, Coma, Loss of Sight, Loss of Speech, Loss of Hearing, Major Burns - 100% Carcinoma In Situ, Major Heart Surgery - 25% Yes 65% at age 65, 50% at age 70 12/12 None All Active Full-Time Employees Increments of \$5,000 up to \$50,000 Increments of \$2,500 up to \$25,000, not to exceed 50% of issued Employee Amount Increments of \$2,500 up to \$25,000, not to exceed 50% of issued Employee Amount \$50 \$50 \$20,000 \$10,000 \$10,000					
Monthly Premium*	Age Bands - Attained Age					
	Below 30	30-39	40-49	50-59	60-64	65+
\$10,000 EE	\$4.15	\$6.17	\$12.07	\$22.01	\$35.41	\$44.84
\$10,000 EE / \$5,000 SP	\$7.36	\$10.41	\$19.40	\$34.38	\$54.51	\$69.57
\$10,000 EE / \$5,000 CH	\$5.23	\$7.25	\$13.15	\$23.09	\$36.49	\$45.92
\$10,000 EE / \$5,000 SP / \$5,000 CH	\$8.43	\$11.49	\$20.48	\$35.46	\$55.58	\$70.64
Annual Premium*	Age Bands - Attained Age					
	Below 30	30-39	40-49	50-59	60-64	65+
\$10,000 EE	\$49.80	\$74.04	\$144.84	\$264.12	\$424.92	\$538.08
\$10,000 EE / \$5,000 SP	\$88.26	\$124.92	\$232.80	\$412.56	\$654.06	\$834.78
\$10,000 EE / \$5,000 CH	\$62.70	\$86.94	\$157.74	\$277.02	\$437.82	\$550.98
\$10,000 EE / \$5,000 SP / \$5,000 CH	\$101.16	\$137.82	\$245.70	\$425.46	\$666.96	\$847.68
Rate Guarantee Participation Requirement	Until 12/31/21 Greater of 10 lives or 15%					

If BCBS Accident and CI are placed, then for Medical Renewal, BCBS will offer a one-time \$10,000 communication credit (for Accident / CI, and Life / Voluntary Life) and a 1% reduction to BCBS renewal medical premium rates.

Horton Benefit Solutions

Disclaimer Notice

Compensation

The Horton Group ("Horton") receives compensation for its services which may include one or a combination of standard agent and contingent/supplemental/bonus commissions paid by insurance companies and fees paid by clients.

Commissions: Horton receives commissions from insurance companies for placing insurance with them and the continued service of clients' insurance needs. Typically commissions are calculated as a percentage of earned policy premium. Each insurance company establishes the commission percentages that it pays on certain lines of insurance. Horton's commission is included in the insurance premium paid by clients.

Contingency, Supplemental and Bonus Commissions: Horton may receive additional compensation in the forms of, including but not limited to, contingent commission, supplemental commission or bonus commission. Contingent, supplemental or bonus commission is paid by the insurance companies based on a number of factors, all of which are determined by the insurance company. These factors include, but are not limited to: 1) the overall business Horton has placed with an insurance company, which could include factors for retained business, growth or new business, and 2) the profitability of that business. The commission paid depends on the size and performance of an entire group of accounts, as opposed to the profitability or placement of any particular policy. Horton has agency agreements with insurance companies that pay contingent, supplemental or bonus commission that outline the calculation for such contingent, supplemental or bonus commission payments. During the past five years, Horton's contingent, supplemental and bonus income has averaged less than 1% of total premiums.

Fee Based Income and Supplement Income

Horton may also receive compensation in the form of fees paid by clients. Under fee-based arrangements, clients agree to pay a fee to Horton net of, or in addition to, commission income. Horton fully discloses all fees in the form of a Fee Agreement. These fees may cover policy services, loss control services, safety consulting and/or claims administration. At times Horton will also provide clients with access to preferred vendors for services that relate to Horton's placement of insurance for its clients. These vendors pay supplemental income to Horton that relates to Horton's referral of the service to its clients.

Exposure Evaluation

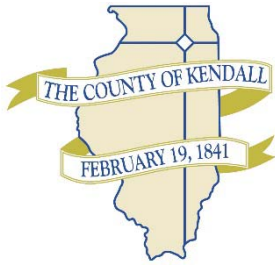
All terms of this proposal are based on the evaluation of material provided by you or your employees. Horton expressly disclaims all liability for the content of such evaluation material, including but not limited to, any errors or omissions contained therein or arising therefrom. The terms of this proposal are subject to change if you provide new or revised evaluation material to Horton.

Coverage Terms & Conditions

All coverage terms and conditions in the preceding pages are intended as a reference only. Actual policies will contain full coverage exclusions or limitations, terms and conditions, and other wordings that are not summarized herein.

Other

Horton does not provide investment services or financial advisory services to clients, and Horton disclaims any and all liability to clients arising out of investment services or financial advisory services.



Kendall County Agenda Briefing

Committee: Admin HR

Meeting Date: October 7, 2019

Amount: \$26,943

Budget: 010-2-027-6547

Issue: 2018 MLR Premium Rebate Check

Background and Discussion:

Mr. Jones presented a rebate check from last year's insurance with United Healthcare in the amount of \$26,942.78 to the Admin HR Committee. This is a mandated rebate per the Affordable Care Act if certain premium thresholds are not met. Mr. Jones explained that in the past the rebate was split 75/25 and if that was the direction the Committee would like to go again

Committee Action:

Motion made by Member Vickers, second by Member Flowers to forward the rebate refund in a 75/25 County/Employee split in December 2019 to the County Board for approval at the October 15, 2019 Board Meeting. With all members voting aye the motion carried.

Staff Recommendation:

Prepared by: Mera Johnson

Department: Administrative Services

Date: October 11, 2019

UnitedHealthcare of Illinois, Inc.
MLR OPERATIONS
PO BOX 30519
SALT LAKE CITY, UT 84130



Group Information

Group Name: Kendall County Government
Group No: 0909985
Check No: 00716052
Check Amount: \$28,942.78

280MLREBA0029001-00291-01
ATTN: FINANCE DEPARTMENT
Kendall County Government
111 W FOX RD
YORKVILLE IL 60560-1621



Questions? Learn more about MLR refunds.
Visit: www.uhc.com/reform
Call: 1-866-802-8602

Please keep this document for your records.

Re: Health Insurance Premium Rebate for Year 2018; Policy #0909985

Dear Kendall County Government:

Your 2018 Medical Loss Ratio (MLR) premium rebate check is attached below. Enclosed with the check is a letter that the federal government requires us to send explaining why you are getting a rebate. We offer below answers to Frequently Asked Questions, which we hope will be of help to you.

If you have any other questions or need further explanation, please call us at 1-866-802-8602. We appreciate your relationship with UnitedHealthcare, and will continue to work hard to serve your needs.

UnitedHealthcare of Illinois, Inc.
MLR OPERATIONS
PO BOX 30519
SALT LAKE CITY, UT 84130
PHONE: 1-866-802-8602

JP Morgan Chase Bank N.A.
Syracuse, NY 13206

DATE: 09/17/2019

PLEASE PRESENT PROMPTLY FOR PAYMENT

PAY: \$*****28,942.78**

Twenty Six Thousand Nine Hundred Forty Two Dollars and Seventy Eight Cents*****

PAY TO THE ORDER OF
Kendall County Government
111 W. Fox Street
Yorkville, IL 60560

AUTHORIZED SIGNATURE

FREQUENTLY ASKED QUESTIONS (FAQs) on Medical Loss Ratio (MLR)

Is this a real check?

Yes, this is a real check.

Does this check have any impact on my coverage?

It has no impact on your coverage.

How is a rebate calculated for a group or individual policy?

- Each policy is part of a pool. A pool is a combination of policies grouped by insurance license, state and market segment/group size.
- The rebate amount calculation is based on all premiums (with adjustments for things like taxes, fees, bad debt, etc...) in a specific pool.
- If the MLR target is not met for a particular pool, a rebate is paid. The total rebate in most instances is required to be distributed among the policyholders in that pool.
- The share each policyholder receives is based on the premium (again, adjusted for taxes, fees, bad debt, etc...) they have in the pool.

Does this check include amounts for all state continuation, COBRA and regular subscribers on my plan?

Yes, the amount of your rebate check was calculated by taking into account the premium received from state continuation/COBRA participants on your plan (e.g. former employees and their dependents who have elected state continuation or COBRA), as well as, your regular subscribers (generally, current employees and their dependents). It is the employer's/policyholder's responsibility to use the rebate equitably considering all participants on their plan.

What can I do with this check?

See the section called "Ways in Which an Employer Can Distribute the Rebate" in the attached 'Notice of Health Insurance Premium Rebate.'

Can I expect a rebate every year?

Not necessarily. If we exceed the required MLR then no rebate is due. For more information about MLR limits reference the following link <https://www.healthcare.gov/health-care-law-protections/rate-review/>

Will this rebate affect my insurance premium next year?

No. Each rebate is based on the MLR for that reporting year.

Are there tax consequences to receiving this rebate?

The tax treatment will vary, based on the situation and who gets the rebate. If you have further questions about the tax treatment in your situation, then you should contact your tax professional.

ENDORSE HERE

X

Security features on this document include void pantograph and microprint border on the front, "Original Document" in reverse font within a security screen and a small void pantograph on back.

If a check design is a mark or watermark of United Printing, please call 1-800-444-4444



Notice of Health Insurance Premium Rebate

September 17, 2019

**Kendall County Government
111 W. Fox Street
Yorkville, IL 60560**

Re: Health Insurance Premium Rebate for Year 2018; Policy #0909985

Dear Kendall County Government:

This letter is to inform you that UnitedHealthcare of Illinois, Inc. will be rebating a portion of your health insurance premiums through your employer or group policyholder. This rebate is required by the Affordable Care Act – the health reform law.

The Affordable Care Act requires UnitedHealthcare of Illinois, Inc. to rebate part of the premiums it received if it does not spend at least 85 percent of the premiums UnitedHealthcare of Illinois, Inc. receives on health care services, such as doctors and hospital bills, and activities to improve health care quality, such as efforts to improve patient safety. No more than 15 percent of premiums may be spent on administrative costs such as salaries, sales, and advertising. This is referred to as the "Medical Loss Ratio" standard or the 85/15 rule. The 85/15 rule in the Affordable Care Act is intended to ensure that consumers get value for their health care dollars. You can learn more about the 85/15 rule and other provisions of the health reform law at:

<https://www.healthcare.gov/health-care-law-protections/rate-review/>

What the Medical Loss Ratio Rule Means to You

The Medical Loss Ratio rule is calculated on a State by State basis. In your State, UnitedHealthcare of Illinois, Inc. did not meet the 85/15 standard. In 2018, UnitedHealthcare of Illinois, Inc. spent only 81.3% of a total of \$149,606,428.37 in premium dollars on health care and activities to improve health care quality. Since it missed the 85 percent target by 3.7% of premium it receives, UnitedHealthcare of Illinois, Inc. must rebate 3.7% of the total health insurance premiums paid by the employer and employees in your group health plan. We are required to send this rebate to your employer or group policyholder by September 30, 2019, or apply this rebate to the health insurance premium that is due on or after September 30, 2019. Employers or group policyholders must follow certain rules for distributing the rebate to you.

Ways In Which an Employer Can Distribute the Rebate

If your group health plan is a non-Federal governmental plan, the employer or group policyholder must distribute the rebate in one of two ways:

- Reducing premium for the upcoming year; or
- Providing a cash rebate to employees or subscribers that were covered by the health insurance on which the rebate is based.

If your group health plan is a church plan, the employer or group policyholder has agreed to distribute the portion of the rebate that is based on the total amount all of the employees contributed to the health insurance premium in one of the ways discussed in the prior paragraph.

If your group health plan is not a governmental plan or a church plan, it likely is subject to the Federal Employee Retirement Income Security Act of 1974 (ERISA). Under ERISA, the employer or the administrator of the group health plan may have fiduciary responsibilities regarding use of the Medical Loss Ratio rebates. Some or all of the rebate may be an asset of the plan, which must be used for the benefit of the employees covered by the policy. Employees or subscribers should contact the employer or group policyholder directly for information on how the rebate will be used. For general information about your rights regarding the rebate, you may contact the Department of Labor's Employee Benefits Security Administration at 1-866-444-EBSA (3272) or review the Department's technical guidance on this issue on its web site at

<https://www.dol.gov/agencies/ebsa/employers-and-advisers/guidance/technical-releases/11-04>

Need more information?

If you have any questions about the Medical Loss Ratio and your health insurance coverage, please contact UnitedHealthcare of Illinois, Inc. toll-free at 1-866-802-8602 or <http://uhc.com/reform>

Contact your employer or Administrator directly for information on how the rebate will be distributed. For general information about your rights regarding the rebate if your group health plan is subject to ERISA, you may contact the Department of Labor's Employee Benefits Security Administration at 1-866-444-EBSA (3272) or review the Department's technical guidance on this issue on its web site at <https://www.dol.gov/agencies/ebsa/employers-and-advisers/guidance/technical-releases/11-04>

Sincerely,



Colleen Hastings Van Ham, President and Chief Executive Officer
UnitedHealthcare of Illinois, Inc.

COUNTY OF KENDALL, ILLINOIS
ORDINANCE # 2019-_____

KENDALL COUNTY GEOGRAPHIC INFORMATION SYSTEMS FEES ORDINANCE

WHEREAS, 55 ILCS 5/3-5018 provides, in part, that the Kendall County Board may charge fees for filing every instrument, paper, or notice for record in order to defray the cost of implementing or maintaining a Geographic Information System (GIS); and

WHEREAS, that authority includes the ability to establish fees to support the requirements established by the County and the services provided by the County. See 55 ILCS 5/3-5018; 55 ILCS 5/3-5005.4; and

NOW, THEREFORE, BE IT ORDAINED by the County Board of the County of Kendall, State of Illinois that hereafter the following GIS fees are established in Kendall County and shall be collected by the Kendall County Recorder's Office. These fees will then be remitted to the Kendall County Treasurer in accordance with section 3 (55 ILCS 5/3-5018), unless required otherwise by applicable state statute or regulation.

1. Thirty dollars (\$30.00) of the total fee must be deposited into a special fund set up by the County Treasurer to be used solely for the equipment, materials, and necessary expenses incurred in implementing and maintaining a Geographic Information System.
2. The remaining \$2.00 (two dollars) shall be deposited into the County Recorder's special funds created under Section 3-5005.4 which may be used at the County Recorder's discretion to defray the cost of implementing or maintaining Kendall County's Geographic Information System.

IN WITNESS OF, this amendment to the Kendall County Board Rules of Order has been enacted with the consent of at least two-thirds of the Kendall County Board members this ___ day of _____, 2019.

Approved:

Attest:

Scott R. Gryder
Kendall County Board Chairman

Debbie Gillette
Kendall County Clerk