

URBAN STORMWATER WORKING GROUP

January 12, 2021 2pm

Join URL: <https://illinois.zoom.us/j/98795822044?pwd=cVluU1BZRno2d25tNWNMQ0NNVU8zdz09>

Meeting ID: 987 9582 2044 Password: 003952

Or Dial: +1 312 626 6799



Photo by Eliana Brown



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Agenda

WELCOME AND MEMBER UPDATES

Opportunity for members to provide updates on their projects.

BIENNIAL REPORT

NEXT STEPS



Introductions

Type your name and affiliation in the chat box.



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Member Updates

Type “Update” in the chat box.
I will call on people.

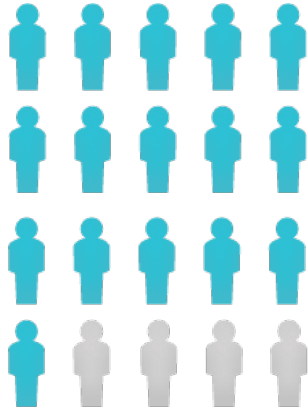




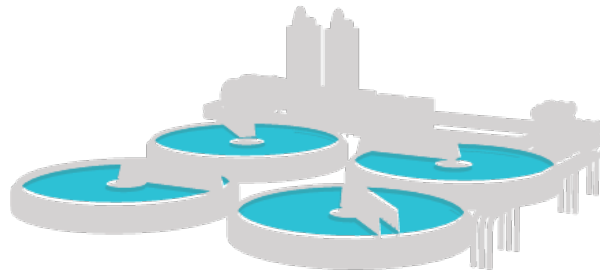
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Biennial Report

Biennial Report Executive Summary



Approximately **80%**
of respondents said that they
were knowledgeable about
nutrient management or
constructed wetlands



Annual statewide total phosphorus
loads from point sources have
been **reduced by**
24%



6,000 people
were reached at **stormwater**
outreach events in 2018



Biennial Report Tracking Measures

Biennial Reports are structured to report data on tracking measures by each of the three sectors: agriculture, point source, and urban stormwater.



NLRS Logic Model



Biennial Report Tracking Measures



RESOURCES: *The logic model starts with the category of Resources. Resource measures refer to financial investment. These include funding, grants, and the staff who administer them.*



OUTREACH: *Outreach leads to shifts in people's knowledge, attitudes, behavior, and investment. The Outreach measures include field days, presentations, conferences, meetings, print or media, radio or television, social media, newsletters, awards, and surveys.*



LAND AND FACILITIES: *The Land and Facilities measures are adoption of best management practices (BMPs) such as agricultural conservation BMPs, upgrades to wastewater treatment facilities, and stormwater management BMPs. These physical changes on the land can affect change in water quality.*



WATER: *The final measure of change is Water. Water category measures, which reflect nutrient loads, are presented in the Science Assessment Update chapter.*



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NLRS Logic Model





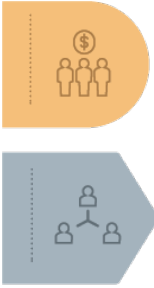
Resources Measure and Outreach Measure

Resource Measure and Outreach Measure Data are from the spreadsheet data.



NLRS Logic Model





Resources Measure and Outreach Measure

Resource Measure and Outreach Measure Data are from the spreadsheet data.

Table 6.1. Funds supporting 2018 nutrient reduction-related activities in the stormwater sector.

Nutrient reduction-related activity	2018 Totals
Grants or Loans Received	\$607,944
Grants Given	\$334,934
Other	\$13,000
Total	\$955,878



6,000 people
were reached at **stormwater**
outreach events in 2018

Table 6.2. Outreach events reported by the stormwater sector.

Type of Activity	Number of Events	Attendance
Field Days	9	555
Presentations	31	3,815
Conferences	3	650
Workshops	17	1,150
Totals	60	6,170





Land & Facilities Measures

Land & Facilities Measure Data are from:

- Ag federal and state funding (Ag Tracking Group)
- Point source records (Illinois EPA)
- Stormwater federal and state funding and MS4 reports (Extension and Illinois EPA)



NLRS Logic Model





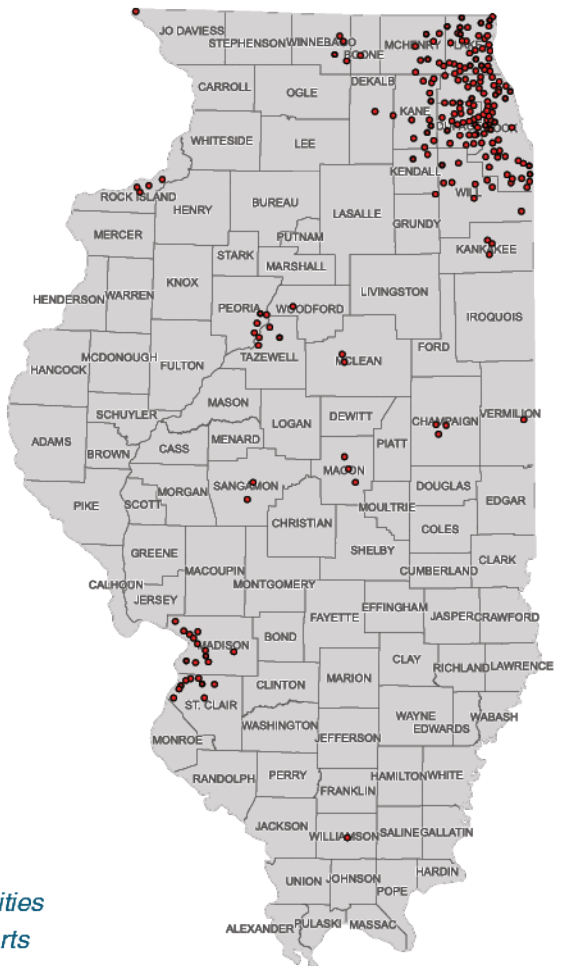
Land & Facilities Measures

Location of Illinois MS4 Communities

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Legend

● MS4 Communities



Note: The unincorporated communities of Ingleside and Mossville are also MS4 communities

Figure 6.5. MS4 communities with available annual reports



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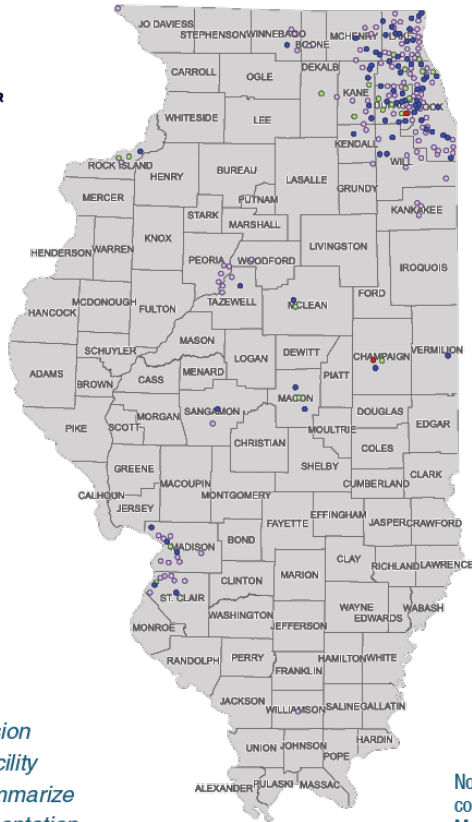


Land & Facilities Measures

Table 6.4. Number of MS4s implementing practices

Number of GI Practices in Illinois MS4 Communities

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Number of GI Practices

- 5 or More
- 3-4
- 1-2
- 0

Figure 1.2. Illinois Extension reviewed MS4 Annual Facility Inspection Reports to summarize urban stormwater implementation

Note: The unincorporated communities of Ingleside and Mossville are also MS4 communities

Physical Practices

Plans and Policies

Residential Programs

Practice	Number of MS4s	Percent of MS4s
Dry Weather Screening	143	49%
Street Sweeping	114	39%
De-icer Management	101	35%
Detention Basin Maintenance	89	31%
Litter Clean up Event	51	18%
● Community Rain Gardens	30	10%
● Bioswales	16	5%
● Green Infrastructure Grants	32	12%
Stormwater Master Plans	27	9%
● Stormwater Utility Fees	24	8%
Community Outreach	278	97%
Household Hazardous Waste Collections	92	32%
● Rain Barrel Programs	80	27%
Electronic Recycling	40	14%
● Homeowner Rain Garden Incentives	23	8%

● Practices and programs depicted in Figure 6.6



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Land & Facilities Measures

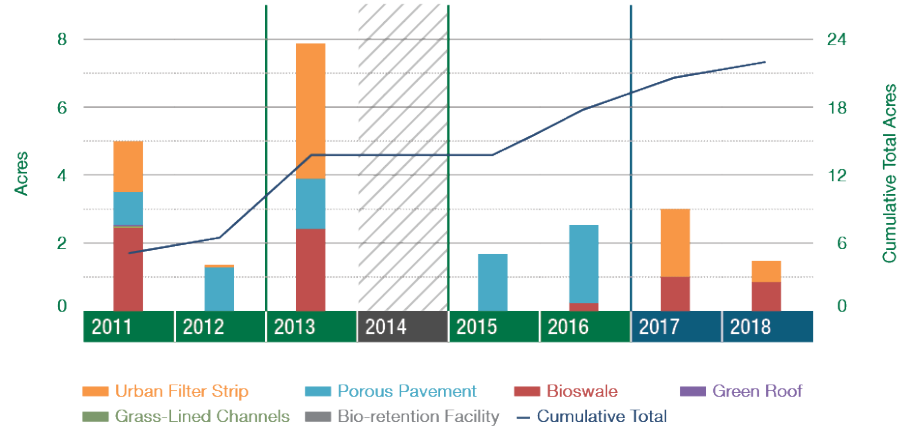


Figure 6.2. Acres treated by urban practices installed under Section 319 Grant Program 2011–18

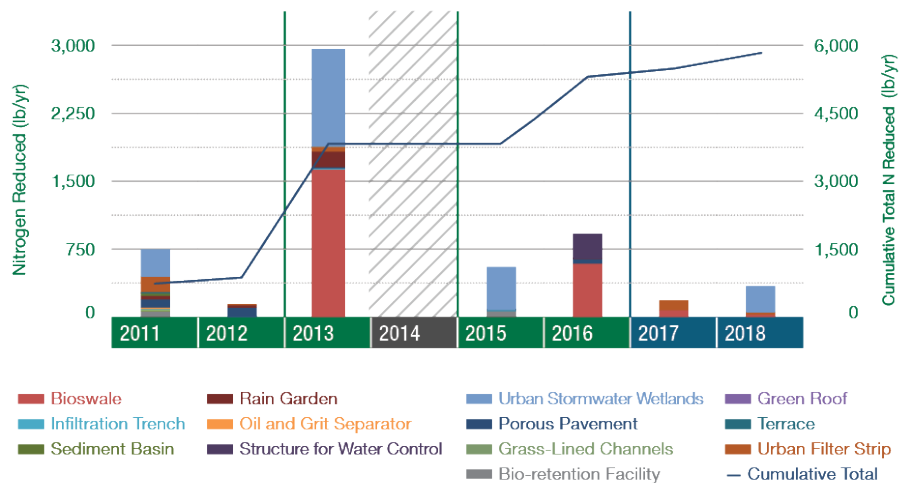


Figure 6.3. Calculated nitrogen load reduction (lb/yr) from Section 319 Grant Program urban practices 2011–18

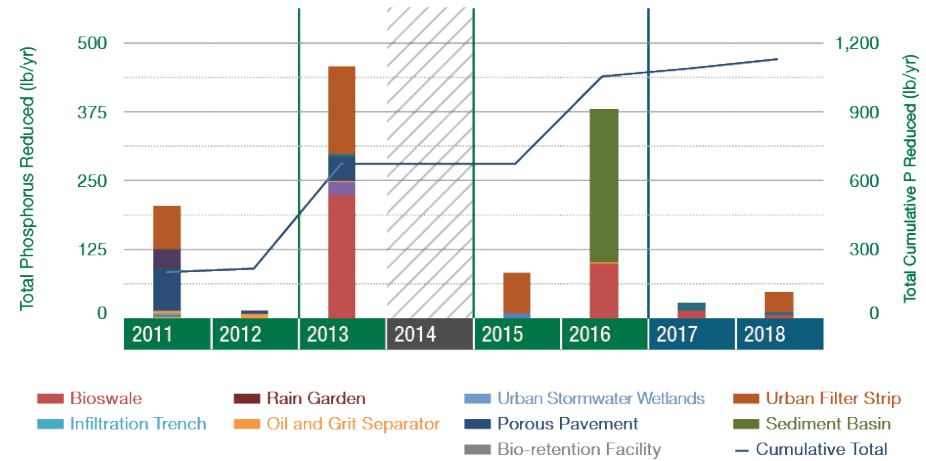


Figure 6.4. Calculated total phosphorus load reduction (lb/yr) from Section 319 Grant Program urban practices 2011–18





Water Measures

Water Measures are in the Science Assessment (Dr. Greg McIsaac).



NLRS Logic Model



Biennial Report Photos

We need your help! Partner photos make the Biennial Reports more meaningful.



Photos are due **FRI, JANUARY 29, 2021.**

Send to kgardin2@illinois.edu



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Biennial Report Photo Topics

Water bodies

Mississippi River
Illinois Rivers/Lakes

Agriculture

GENERAL: Corn Field/Soybean Field and Producers
OUTREACH: Ag Field Days, etc.
LAND & FACILITIES: Nutrient Management/Conservation Tillage/Cover crops/Wetlands/Perennials/Bioreactor/Filter strips
Programs: CRP, CREP, etc.

Point Source

GENERAL: Wastewater Treatment Plants and Workers
OUTREACH: Conferences/Wastewater Treatment Plant Tours, etc.
LAND & FACILITIES: Phosphorus reduction facilities

Urban Stormwater

GENERAL: Rainstorm/Storm drain
OUTREACH: Green infrastructure tour/Leaf information/Natural Lawncare Info
LAND & FACILITIES: Rain Garden/Bioswale/Porous Pavement/Green Roof

Working Group Meetings

Any of your photos!

150dpi+ Bigger = better .jpg or .tiff.
Same format the file was in when taken on phone/camera.



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Biennial Report Partner Updates

Biennial Reports includes lists of partner programs and narrative updates.

Table 6.5. Urban non-point source programs and projects working towards Illinois NLRs goals

Section 319	p.123
Municipal Separate Storm Sewer System Permits	p.127
Urban Stormwater ILR10 Permit Reissued	p.131
Clean Water Initiative and State Revolving Fund	2017 Biennial Report p.74
MWRDGC Rain Barrel and Green Infrastructure Programs	p.132
Streambank Stabilization and Restoration Program	p.70
Total Maximum Daily Load	p.116
Calumet Stormwater Collaborative	p.133
National Green Infrastructure Certification Program	p.133
Lawn to Lake	p.134

OTHER PROGRAMS AND PROJECTS?

We want your program metrics!

If you have graphics, please use vector formats such as: .svg, .eps, .pdf



Biennial Report Partner Updates

Biennial Reports includes lists of partner programs and narrative updates.

Narrative updates from 2019 and 2020 are due **FRI, JANUARY 31, 2021.**

Length: half-page to one-page

Send to kgardin2@Illinois.edu



Biennial Report Production Schedule

BIENNIAL REPORT TASK	DATE DUE
Prepared data due to Extension	15-Mar
Compile first drafts of all chapters	15-Mar
Update tables/graphs: Land Measures	31-Mar
First round of editing	31-Mar
Second round of editing	7-Apr
First draft due to PWG	15-Apr
Executive Summary Infographic design	16-Apr
Comments due back to Extension	30-Apr
Draft due to Steering Committee and Agency Directors	15-May
Comments due back to Extension	30-May
Final changes before design	7-Jun
Text and photos (and alt-text) to graphic designer	15-Jun
Copy editing	15-Jul
Final changes	20-Jul
Due to printer	7-Aug
Biennial Report completed	31-Aug
Online version with Appendices	31-Aug



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Questions?



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Illinois Extension



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Next Steps

USWG Meeting Frequency?

Topics?





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Improving our
water resources
with collaboration
and innovation

Contact

Visit the webpage at go.illinois.edu/NLRS

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