



Chicago Metropolitan
Agency for Planning

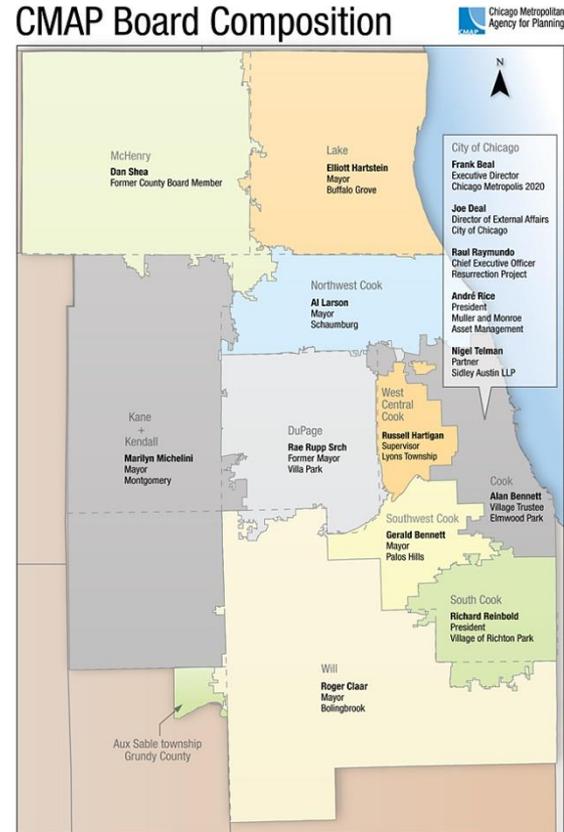
Review of NE IL Stormwater Management Ordinances

Hala A. Ahmed, AICP
Megan B. Elberts, E.I.

Scope of Work

- Review and evaluate existing stormwater ordinances northeastern Illinois
- CMAP region
 - Cook
 - DuPage
 - Kane
 - Kendall
 - Lake
 - McHenry
 - Will

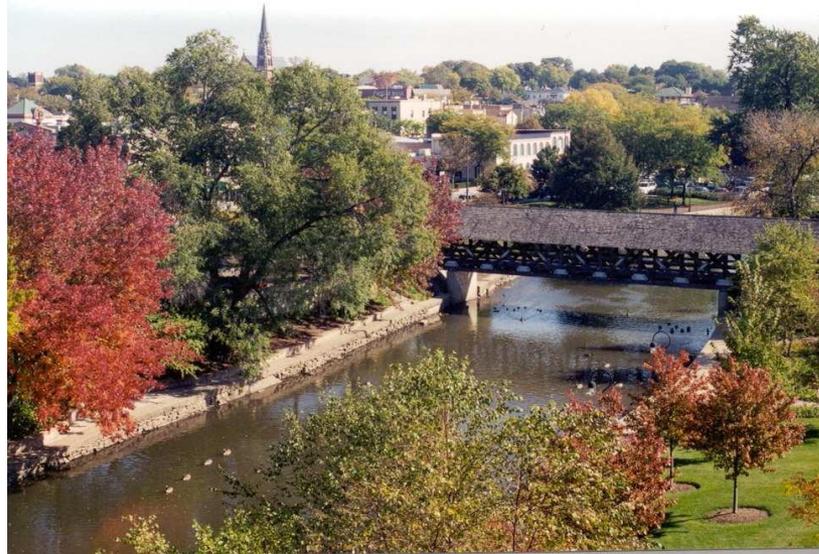
CMAP Board Composition



233 S. Wacker Drive, Suite 800, Chicago, IL 60605 | voice 312-454-0400 | fax 312-454-0411 | www.cmap.illinois.gov | Updated December 1, 2009

Review Criteria

- Volume Control Measures
- Run-off Reduction/BMP Hierarchy
- Water Quality Management
- Release Rates



County Ordinance Reviewed

Cook (Draft 9/2009)

- Volume Control : 1” of runoff
- Water Quality Control:
 - Achieved through retention-based practices
- Release Rates:
 - 2 year: 0.04 cfs/acre
 - 100 year: 0.15 cfs/acre

DuPage (8/1/2008)

- Volume Control: N/A
- Water Quality Control:
 - Incorporate Best Management Practices into the site design to the maximum extent
- Release Rates:
 - 2 year: 0.04 cfs/acre
 - 100 year: 0.10 cfs/acre

County Ordinance Reviewed

Kane (1/1/2005)

- Volume Control:
 - Runoff from 0.75” rainfall event to be stored below the primary outlet
- Water Quality Control
 - Native wetland plantings
- Release Rates:
 - 100 year: 0.10 cfs/acre

Kendall (10/2002)

- Volume Control: N/A
- Water Quality Control:
 - Minimize impervious surfaces, preserve natural features/planting, infiltration, wet detention.
- Release Rates:
 - 2 year: 0.04 cfs/acre
 - 100 year: 0.15 cfs/acre

County Ordinance Reviewed

Lake (11/9/2008)

- Volume Control:
 - Currently being discussed in TAC
- Water Quality Control:
 - Runoff Volume Reduction Hierarchy
 - Specific requirements for discharging to wetland
- Release Rates:
 - 2 year: 0.04 cfs/acre
 - 100 year: 0.15 cfs/acre

McHenry (4/15/2008)

- Volume Control: N/A
- Water Quality Control:
 - Preservation of natural resources, minimizing impervious surface, using natural landscapes/filter strips, etc.
- Release Rates:
 - 2 year: 0.04 cfs/acre
 - 100 year: 0.15 cfs/acre

County Ordinance Reviewed

Will (3/18/2004)

- Volume Control:
 - Runoff from 0.75” rainfall event stored below primary gravity outlet
- Water Quality Control:
 - Vegetated grass waterways, buffer strips, planting, contour farming, etc.
- Release Rates:
 - 2 year: 0.04 cfs/acre
 - 100 year: 0.15 cfs/acre

City ord to be reviewed:

- City of Aurora
- City of Chicago
- City of Crystal Lake
- City of Homer Glen