



Chicago Metropolitan
Agency for Planning

Water Supply Planning in Northeastern Illinois: Fostering a Process for Regional Decisionmaking

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3 October 2007

Peoria, Illinois



OFFICE OF THE GOVERNOR
ROD R. BLAGOJEVICH - GOVERNOR

NEWS

FOR IMMEDIATE RELEASE
January 9, 2006

***Governor issues executive order to study state's
water needs to protect against shortages and
develop regional plans***

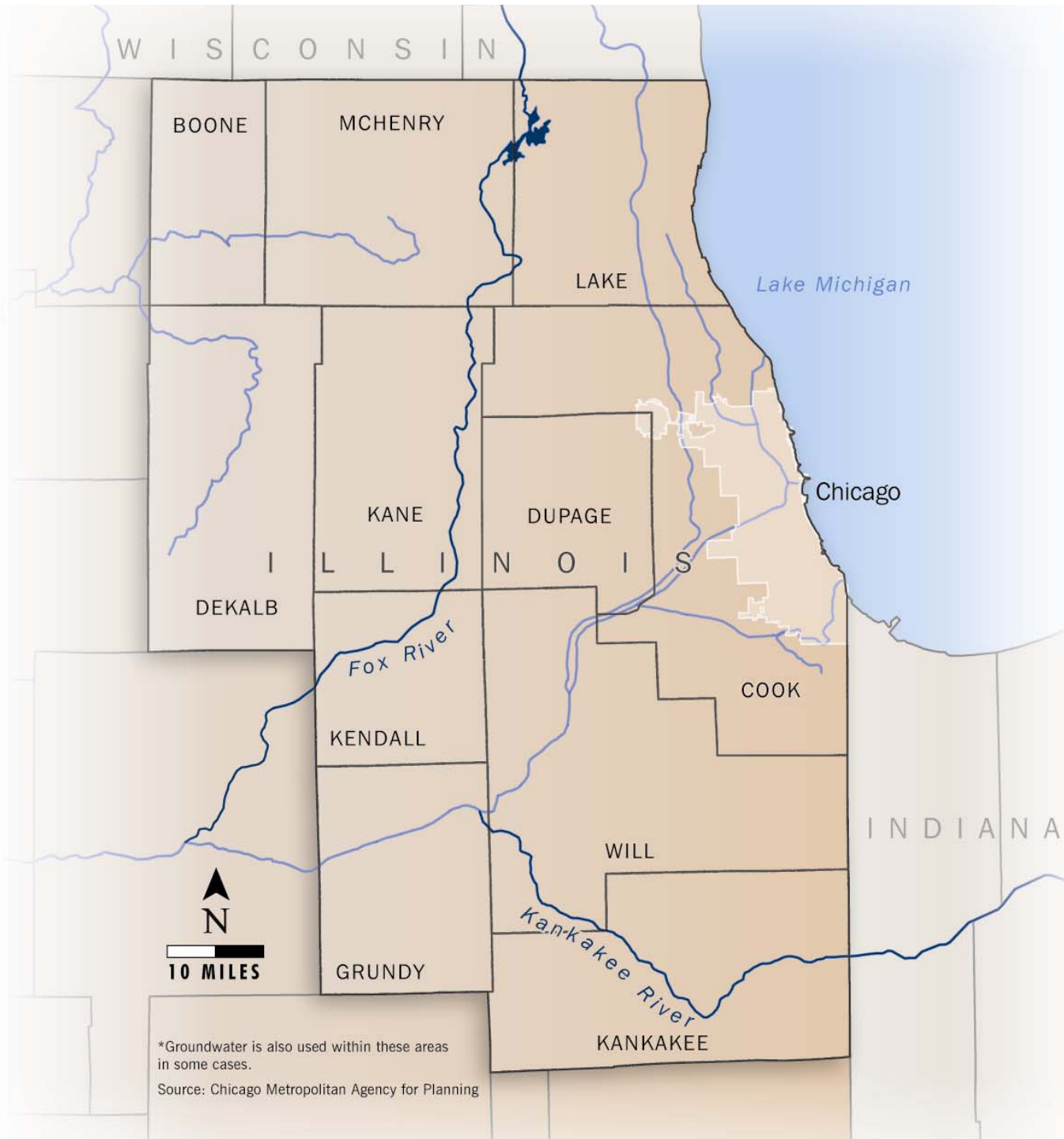


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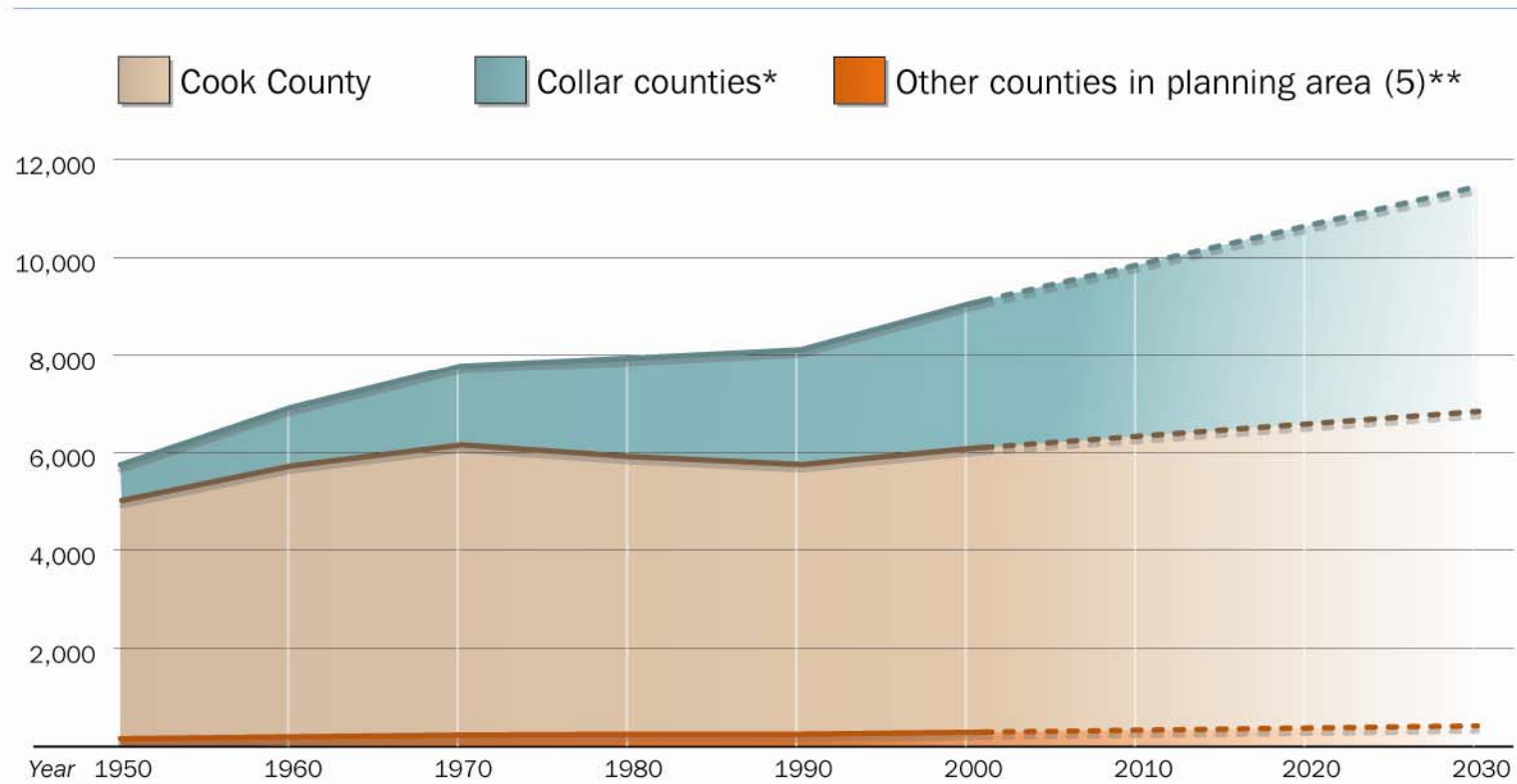
*Strategic Plan for
Water Resource
Management*

Northeastern Illinois Planning Commission



Distribution of Population in Northeastern Illinois

Total population, in thousands



* DuPage, Kane, Lake, McHenry, Will

** Boone, DeKalb, Grundy, Kankakee, Kendall

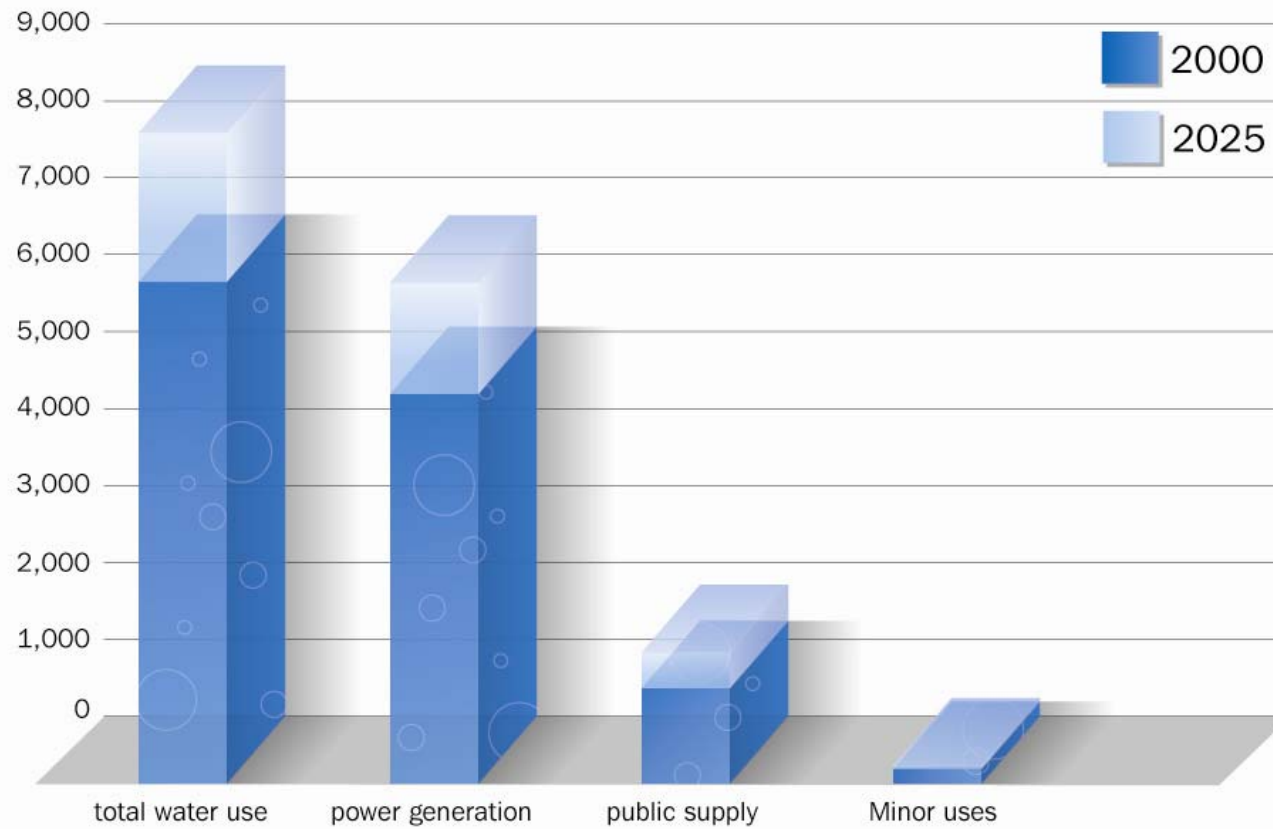
Sources: U.S. Census Bureau; Northeastern Illinois Planning Commission; al Chalabi Group, Ltd.



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Projections for Water Use by Sector

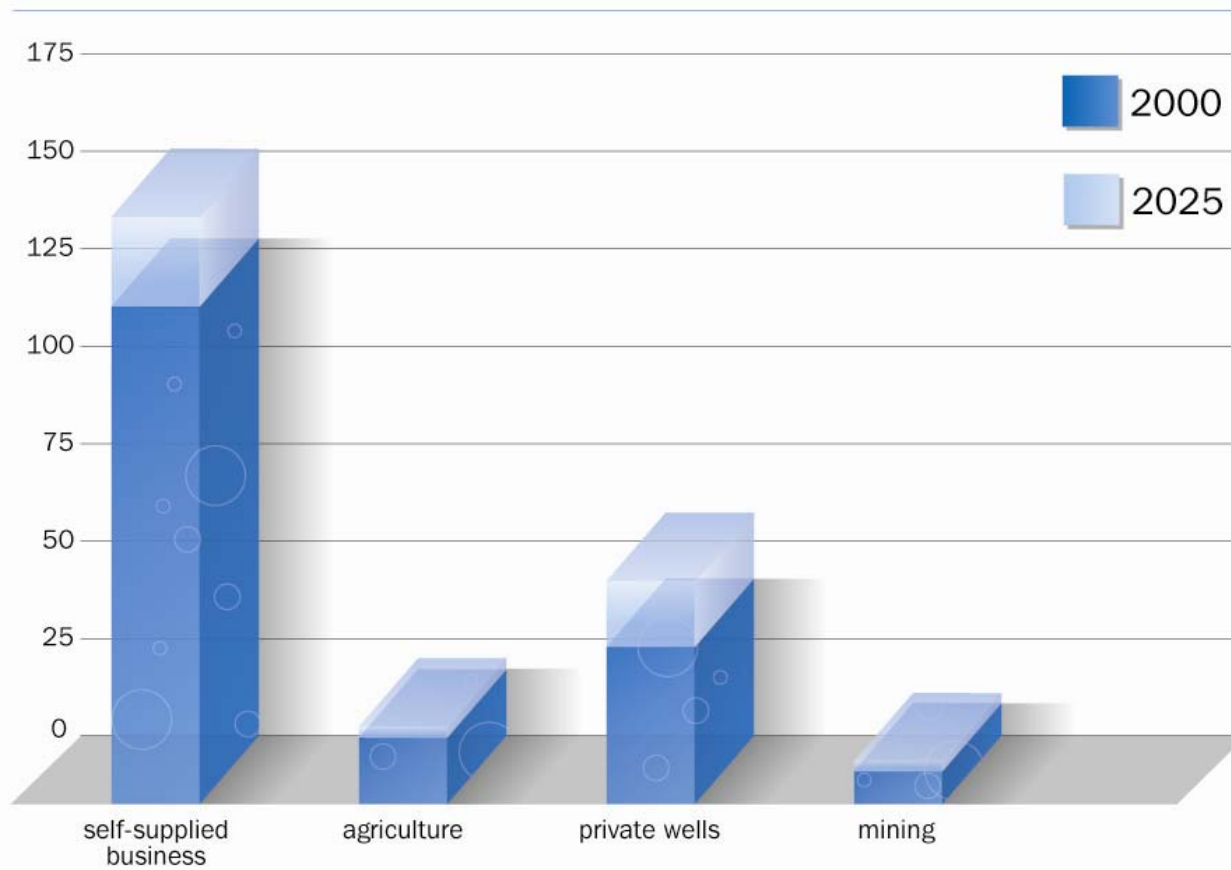
11-County Northeastern Illinois Region, in millions of gallons per day



Source: Dziegielewski et al. 2005; contract report for Illinois State Water Survey

Projections for Water Use by Sector, minor uses

11-County Northeastern Illinois Region, in millions of gallons per day



Source: Dziegielewski et al. 2005; contract report for Illinois State Water Survey

CMAP Scope-of-Work

1. *Foster the creation of a Regional Water Supply Planning Group (RWSPG) and facilitate/support their work*
2. *Develop Water Demand Forecasts to 2050*
3. *Working with the RWSPG, evaluate management options and select for implementation.*
4. *Outreach and education*



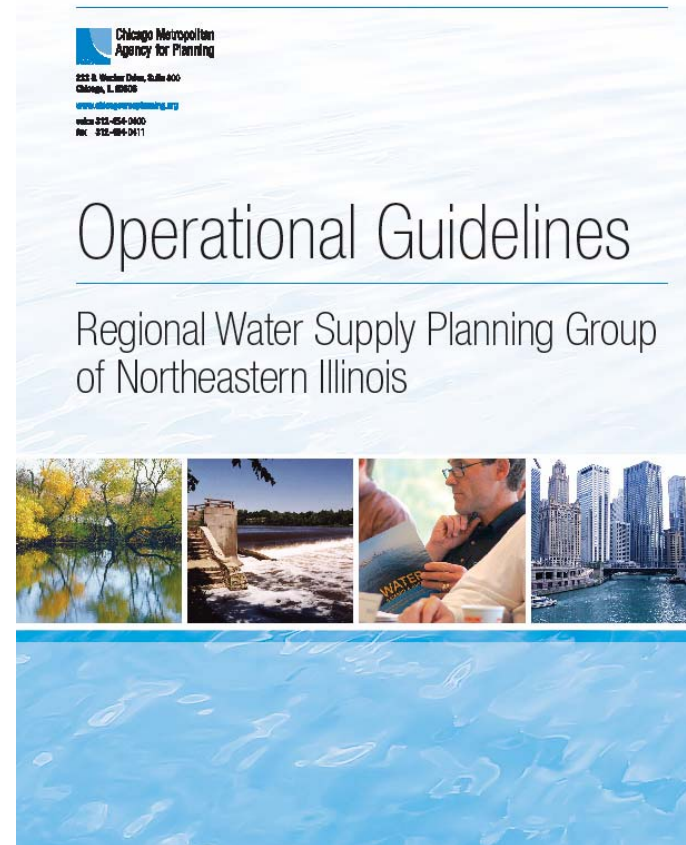
RWSPG

- * county government (11)
- * municipalities / municipal water suppliers (10)
- * academia and public interest in regional planning (2)
- * agriculture (2)
- * business, industry, and power (2)
- * conservation and natural resource management (2)
- * environmental advocacy (2)
- * real estate and development (2)
- * wastewater treatment / nonmunicipal water suppliers (2)



www.chicagoareaplanning.org/watersupply

- * Mission Statement
- * Interim Goals
- * Draft Planning Principles
- * Water Resources 101



Stages of Group Development

- * Forming (*January '07*)
 - * Storming (*right now?*)
 - * Norming (*right now?*)
 - * Performing (*2008*)
 - * Adjourning (*July '09*)



Factors Affecting Future Water Demands in the 11-County Area of NE Illinois

Total Population
Population Density and Growth Distribution
Commercial Industrial Activity / Mix
Power Generation
Employment-to-Population ratio
Water Conservation
Future Water Prices
Per Capita Income
Weather: Temperature and Precipitation

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Next Two Meetings

- * Kane County 5-Year Water Supply Study Results;
and CMAP/SIUC water-demand study update

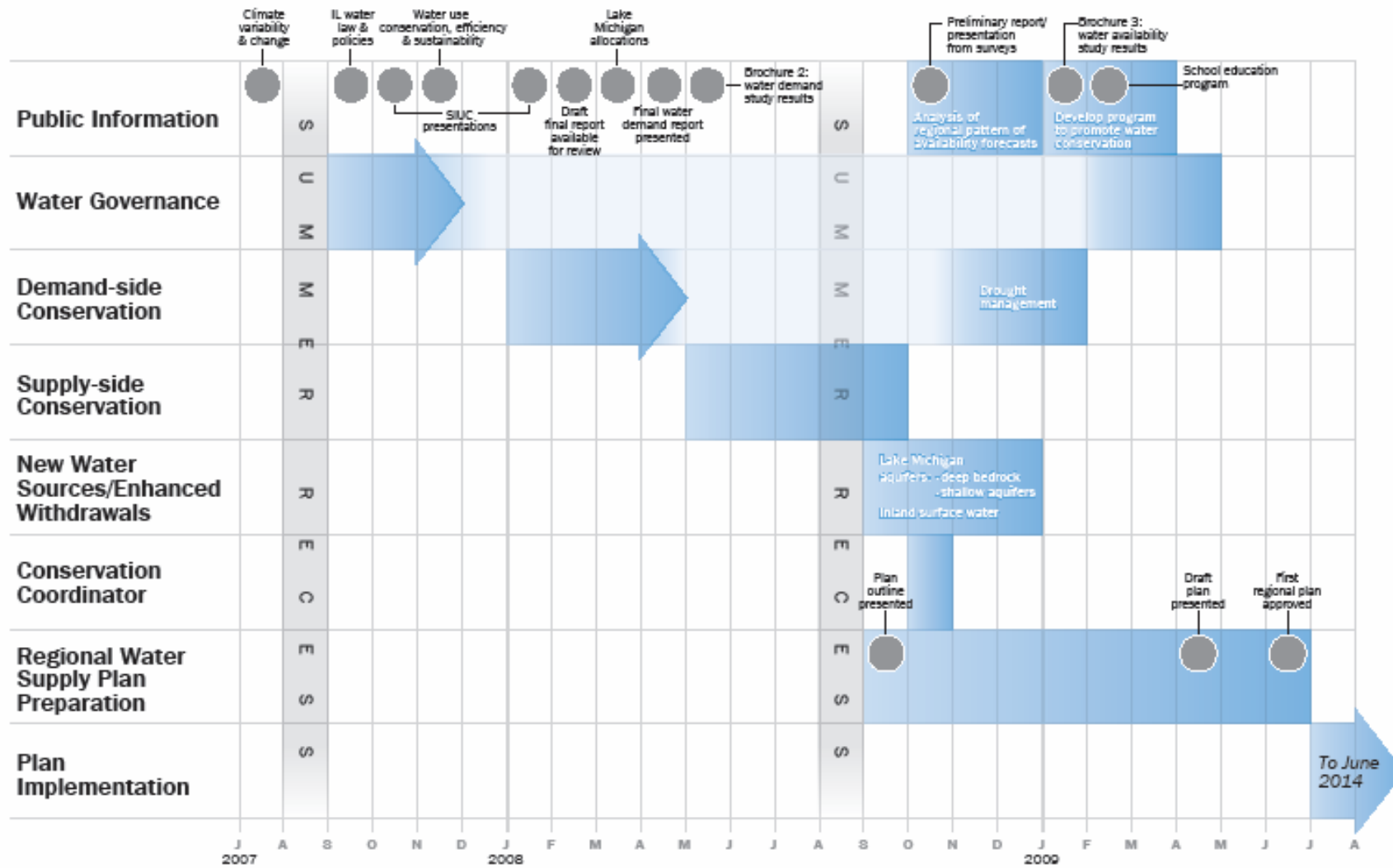
October 23rd 10:00 a.m. Geneva, IL

- * Sustainability, Conservation, and Efficiency:
Managing IL Water Resources in the 21st Century

November 27th 10:00 a.m. Chicago, IL



Regional Water Supply Planning Project Timeline: Years 2 & 3



Benefits from H₂O Use Efficiency

Accrue to:

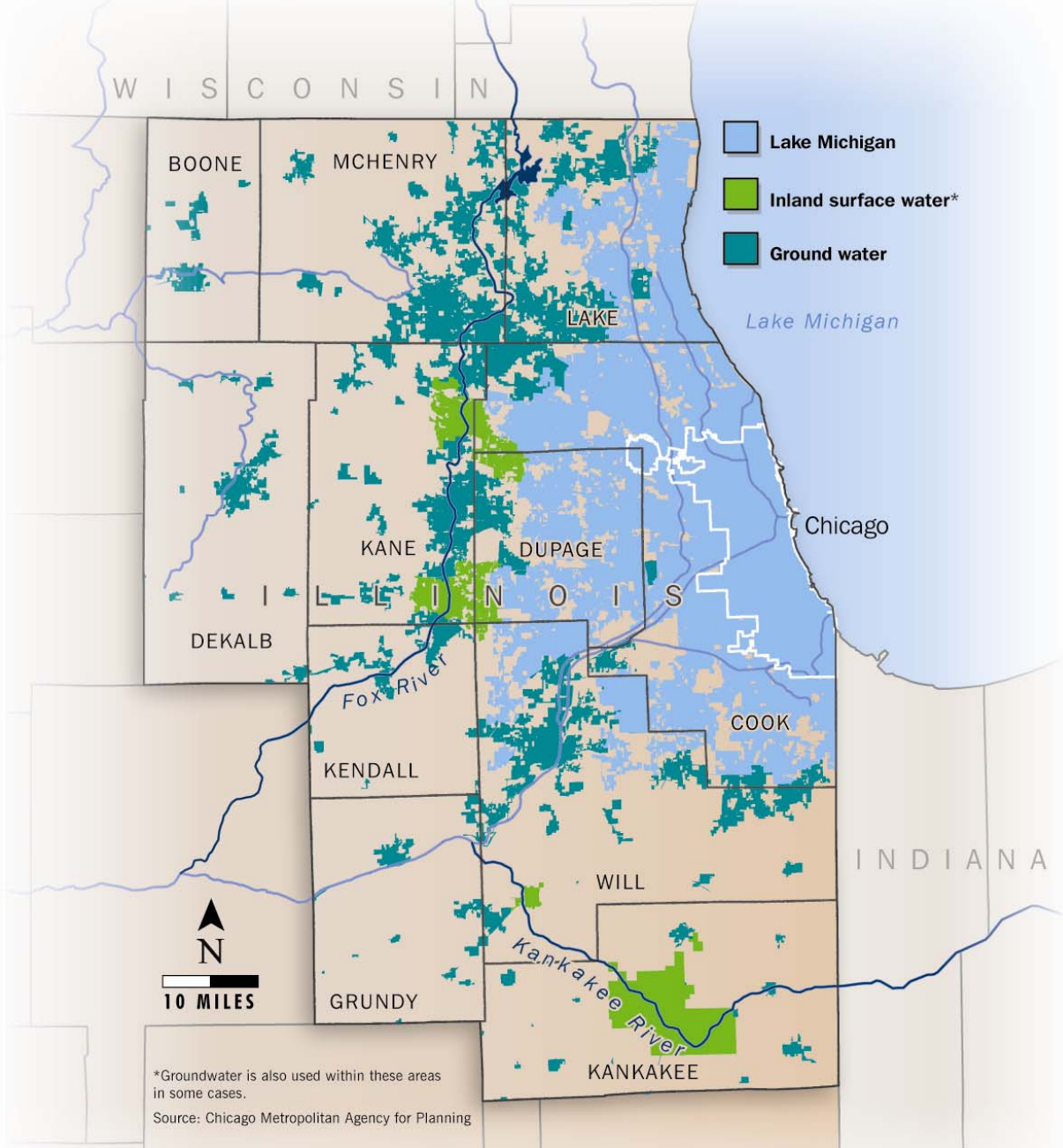
- Water utilities
- Wastewater utilities
- Environment
- Community

(AWWA, 2006)



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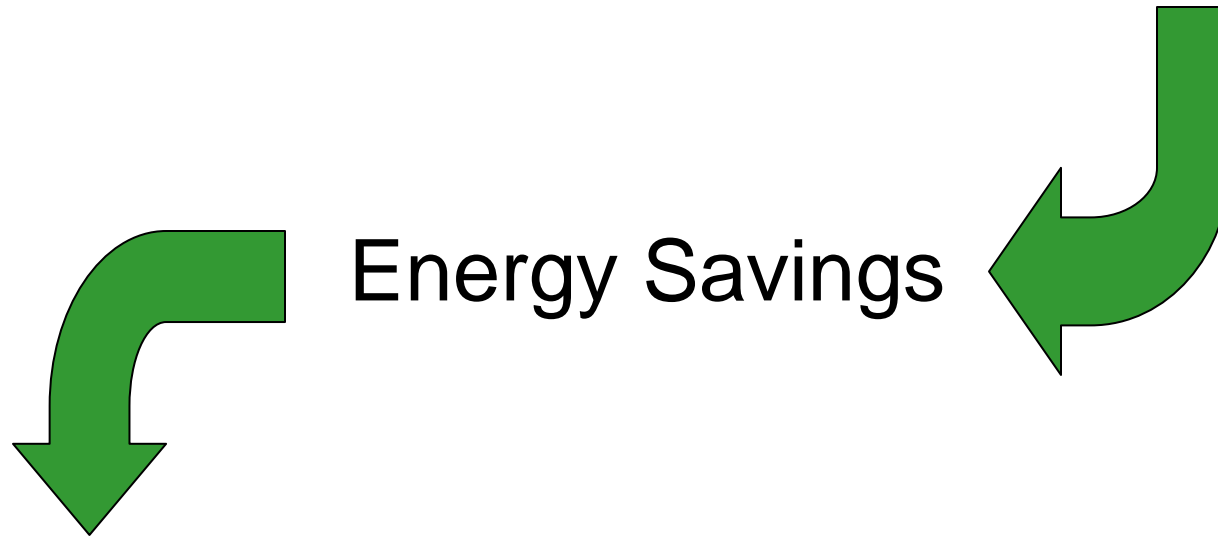
Water Sources for Public Supply in Northeastern Illinois



*Groundwater is also used within these areas in some cases.
 Source: Chicago Metropolitan Agency for Planning

It's all Connected!

Water conservation and efficiency



Greenhouse Gas Emission Reductions



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What will it take?

- * Political Leadership
- * Stakeholder Involvement in the Process
- * Policy outlining conservation goals & measures
- * H2O use data, demand forecasting, monitoring
- * Stable funding for conservation
- * Staff and technical expertise
- * Education and outreach

(Keyes, Schmitt, and Hinkle 2004)

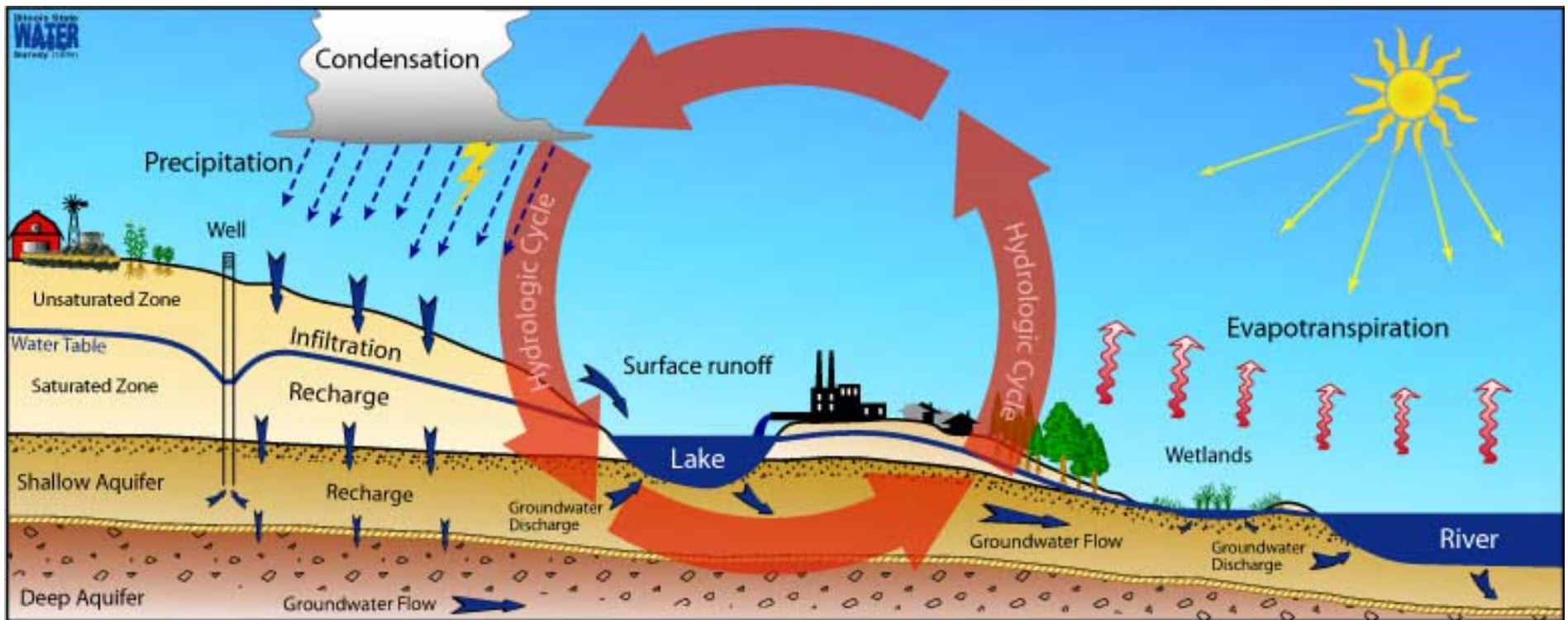


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Summary

- * Building the Regional Foundation
- * Institutional Support for Coordinated Planning:
 - State
 - Region ... CMAP
 - County
 - Municipality
- * Conservation: *Make it an issue and,
Achieve more with less*
- * Individual action

Thank you!



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RWSPG Mission Statement

To consider the future water supply needs of northeastern Illinois and develop plans and programs to guide future use that provide adequate and affordable water for all users, including support for economic development, agriculture and the protection of our natural ecosystems.

adopted *April 24, 2007*