



# Chicago Metropolitan Agency for Planning

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## Northeastern Illinois Regional Water Supply Planning Group

May 26, 2009 9:30 a.m.

Chicago Metropolitan Agency for Planning (CMAP)  
Cook County Conference Room  
233 S. Wacker Drive, Suite 800  
Chicago, Illinois 60606

### Delegates Present:

Frederic Brereton, Mayor, City of Belvidere, Karen Darch, President, Village of Barrington; Jerry Dudgeon, Director, PB&Z, Kendall County Government; Jeffrey Edstrom, Senior Project Planner, Geosyntec Consultants; Howard Hamilton, Chief Subdivision Engineer and Stormwater Director, Will County Land Use, Will County Government; Jim Holland, Mayor, Village of Frankfort; Martin Jaffe, Director and Associate Professor, University of Illinois Chicago; Alan Jirik, Director of Corporate Regulatory Affairs, Corn Products International, Inc.; Mark Knigge, Village of Wauconda; Robert Martin, RWSPG Vice-Chair and General Manager, DuPage Water Commission; Cassandra McKinney as proxy for Ken Koehler, McHenry County Board Chairman; Daniel McLaughlin, Mayor, Village of Orland Park; Joyce O'Keefe, Deputy Director, Openlands; William Olthoff, Farmer; S. Louis Rathje, Chairman, DuPage Water Commission; Lynn Rotunno, Sierra Club Illinois Chapter; Paul Schuch, Director Water Resources, Kane County Government; Jeffrey Schuh, Senior VP, Patrick Engineering, Inc.; Jack Sheaffer, Ph.D., Principal, Sheaffer Consulting, LLC **and** as proxy for Sergio Serafino, Metropolitan Water Reclamation District of Greater Chicago; Mike Sturtevant as proxy for John Spatz, Jr., Commissioner, City of Chicago; Larry Thomas as proxy for Jeff Greenspan, Attorney-at-Law; Bonnie Thomson Carter, RWSPG Chair and Lake County Board; Bob Walberg, Boone County Board Chairman; Peter Wallers, President, Engineering Enterprises, Inc.

### Delegates Absent:

Robert Abboud, President, Village of Barrington Hills; Mike Bossert, Kankakee County Board Chairman; Charlie Eldredge, Richmond Development Corp.; Scott Goldstein, Principal, Teska Associates, Inc.; Mike Kenyon, Farmer; Heidi Miller, Grundy County; Patrick Smith, Attorney-at-Law; Ruth Anne Tobias, DeKalb County Board Chairman; Thomas Weisner, Mayor, City of Aurora.

### RWSPG Vacancies:

Cook County Government.

### Others Present:

Craig Lawler, Larry Thomas, Bill Santelik, Suzanne Petrella, David Mullan, Kama Dobbs, Alec Davis, Cathy White, Daniel Injerd, Allen Wehrmann, Sarah Anderson, Nancy Sweeney, Julie Pacheco, Chris Staron, Moira Zellner, Bona Heinsohn, Deborah Stone, Eleanor Kane,

Jessica Dexter, Philip Rovang, Jill Leary, Tim Loftus, Margaret Schneemann, Hala Ahmed, Megan Elberts.

**I. Welcome and Roll Call:**

Chairwoman Bonnie Thomson Carter called the meeting to order shortly after 9:30 a.m. The meeting was held in the Cook County Conference Room located at 233 S. Wacker Drive, Suite 800, Chicago, Illinois 60606.

**II. Agenda Changes and Announcements**

There were no agenda changes and two announcements.

Dr. Loftus welcomed Mayor Fred Brereton of Belvidere to the RWSPG. Mayor Brereton will represent the Boone-Grundy-Kankakee municipal government / water suppliers.

On June 23, 2009, the Alliance for Water Efficiency will host a workshop on AWWA's *Water Loss Control Manual* at the Jardine Water Purification Plant Auditorium in Chicago from 9:00-3:00 p.m.

**III. Approval of Minutes**

A motion was made, seconded, and carried to approve last meeting's (April 28, 2009) minutes.

**IV. "Estimating Water-Use Effects of In-Fill Growth versus Exurban Expansion Within the NE IL Water Planning Region" – Presentation by Dr. Benedykt Dziegielewski, Southern Illinois University Carbondale.**

In an effort to parse out more detailed information regarding residential water use in the region, Dr. Dziegielewski presented the results of his study to determine the effects of geographically differential patterns of growth on total water use. These differences would result primarily from a lower residential per capita water usage rates in multifamily dwellings in densely urbanized areas and in higher per capita usage in single-family homes in low density suburban settings. Data sources, date limitations, GPCD rates, GPCD rates in relation to median home value and marginal price of water as well as study assumptions were covered in the presentation. In conclusion, communities and service areas with low density, high income or home value, and lower water price tend to have higher GPCD rates (> 100 gpcd). In addition, by increasing the efficiency of water use in new residential developments, total water use could be reduced by 5-10% by 2050. For more information reference the full presentation posted on the CMAP Water Supply website at <http://www.cmap.illinois.gov/watersupply/minutes.aspx>.

Discussion followed touching on the need for further explanation of assumption #2 and the data source of population per capita figures, winter vs. summer water use rates, how population growth was accounted for in the study, questions regarding average GPCD figures, the need for an explanation of scatter points in the data sets, general questions about data quality and related variables, the connection of water use and age of housing stock, the role of efficiency as a practical approach to reduce water use for residential users and the need to break down the unit of geography beyond the county level. Additional comments can be emailed to Dr. Dziegielewski for consideration in the final report.

**V. Draft NE IL Regional Water Supply Plan - Version 5**

Dr. Loftus emailed the current draft to the RWSPG in preparation for today's meeting. Discussion will continue today in the same manner as previous meetings, organized into sections in order to cover the draft in a timely manner. Section 1: Pages 1-56 comments included explanation of why CT was not included as well as the need for more text in table 6 on page 48. Section 2: Pages 56-76 comments included further explanation for the inclusion/limitation of Fox River area in plan, expand point made on page 57 referring to Lake Michigan water availability and proximity to new communities of need, the need to clarify drawdown of regional aquifers(deep and shallow) as unavoidable in paragraph two on page 57 including the relationship to recharge, the need for

more attention on Fox River modeling and ecological impacts on baseflow, clarification of the relationship between pumping and baseflow, clarification of the relationship between shallow aquifer pumpage, the treatment and release of effluent, baseflow and stormwater management in the third paragraph on page 57, reference needed in third paragraph regarding stream flow contribution to wells, expand IEPA role/regulatory programs section, add not providing for growth to “most problematic consequences” on page 58, add explanation of why total nitrogen is no longer an issue to the EPA on page 64, clarify sentence on dissolved oxygen on page 65, and more explanation of the needs of fish and wildlife on page 74. Section 3: Pages 76-96 comments included the need to address job creation (could be addressed in next planning cycle section ) supported by goal #3, the inclusion/modification of the 8% acceptable loss figure in the state recommendation section on page 92, the removal of unavoidable leakage accommodation for Lake Michigan water users and pending consequences, expansion of conservation financing section and cost effectiveness of measures on page 86, full cost pricing and loss of revenue issues, the acceptability of charging a fee for conservation, clarification of water conservation staff numbers on page 87, the need to make text consistent with Ben’s findings on page 85 about new home water use, the need to take out nominal fee recommendation on page 88, metering existing buildings issue on page 93, change “require” to “encourage” on first line of page 93, concerns about metering non-consumptive use, issues with the expense of metering indoor and outdoor water use, discussion of the options in the third recommendation for the public water suppliers level on page 93, and the need for seasonal pricing to be further addressed. Section 4: Pages 96-148 comments included concerns about the growing length of the plan document, concerns for strengthening water restriction on summertime watering at the state level on page 97, replacement of native landscaping to low-water use vegetation on page 99, request to replace “annual” with “regular” water audits on page 102, audits as ongoing business practice where they would be fully integrated into business models, change water audits to water “usage” audits for purpose clarification, request that school education BMP be part of regular curriculum rather than a program dependant on finding a funding source on page 106, the need to further explain high and low conservation on page 108, concerns of duplicating recommendations in plan with IEPA current programs including sanitary districts and WWTPs on pages 140-141, and add “develop local implementation procedures” to public water supplier recommendation level on page 144.

**VI. Other Business**

There was no other business.

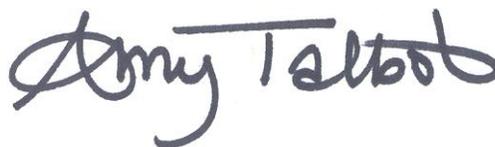
**VII. Public Comment**

There were no public comments.

**VIII. Adjourn**

Today’s meeting adjourned shortly after 12:30 p.m. The next monthly meeting will be held on June 23, 2009 from 9:30-12:30 at the offices of the Chicago Metropolitan Agency for Planning located at 233 S. Wacker Drive, Chicago, Illinois, 60606.

Respectfully submitted,



Amy Talbot  
CMAP Staff Liaison

6-11-09