



# Chicago Metropolitan Agency for Planning

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## Northeastern Illinois Regional Water Supply Planning Group

February 26, 2008 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:

Karen Darch, President, Village of Barrington; Jerry Dudgeon, Director, PB&Z, Kendall County Government; Jeffrey Edstrom, Project Planner, Geosyntec Consultants; Charles Eldredge, proxy for Conor Brown, Government Affairs Director, Illinois Assoc. of Realtors; Scott Goldstein, Principal, Teska Associates, Inc.; Jeff Greenspan, Project Manager, The Trust for Public Land; Tom Hyde, Mayor, Village of Island Lake; Martin Jaffe, Director and Associate Professor, University of Illinois Chicago; Alan Jirik, Director of Corporate Regulatory Affairs, Corn Products International, Inc.; Robert Martin, RWSPG Vice-Chair and General Manager, DuPage Water Commission; Heidi Miller, Grundy County; Joyce O'Keefe, Deputy Director, Openlands; S. Louis Rathje, Chairman, DuPage Water Commission; Lynn Rotunno, Sierra Club, Illinois Chapter; Jeffrey Schuh, Senior VP, Patrick Engineering, Inc.; Sergio Serafino, Metropolitan Water Reclamation District of Greater Chicago; Jack Sheaffer, Principal, Sheaffer International; Patrick Smith, General Counsel, Deer Point Homes; John Spatz, Jr., Commissioner, City of Chicago; Thomas Weisner, Mayor, City of Aurora.

### Delegates Absent:

Robert Abboud, President, Village of Barrington Hills; James Bilotta, Will County Board; William Borgo, Mayor, Village of Manhattan; Conor Brown, Government Affairs Director, Illinois Assoc. of Realtors(proxy present); Mike Kenyon, Farmer and Kane County Board; Ken Koehler, McHenry County Board Chairman; Karl Kruse, Kankakee County Board Chairman; Karen McConnaughay, Kane County Board Chairman; Daniel McLaughlin, Mayor, Village of Orland Park; William Olthoff, Farmer; Bonnie Thomson Carter, RWSPG Chair and Lake County Board; Ruth Anne Tobias, DeKalb County Board Chairman; Peter

Waller, President, Engineering Enterprises, Inc.; Catherine Ward, Boone County Board Chairman.

**RWSPG Vacancies:** Cook County Government, Boone-Grundy-Kankakee County Mayors

**Others Present:** Jack Knight, Deborah Stone, Candace Billek, Howard Hamilton, David Mullan, Paul Schuch, Ricca Slone, Kay Whitlock, Taro Mieno, Ed Glatfelter, Don Lloyd, Nick Spittlemeister, Ben Dziegielewski, Luke Cella, Matthew Schmidt, Karen Dobbs, Chris Staron, Dale Schepers, Mary Ann Dickinson, Karla Teasley, Debra Stone, Randy Blankenhorn, Ylda Pineyro, Tim Loftus, Sandy Perpignani, Hala Ahmed, Amy Talbot.

**I. Welcome:**

Robert Martin, vice-chairman, will be facilitating our meeting today in the absence of Chairwoman Bonnie Thomson Carter. Mr. Martin 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**

Dr. Loftus made two brief announcements. 1) The RWSPG welcomes two new members today: John Spatz, Jr. who replaces Joe Deal for the City of Chicago and Heidi Miller who is representing Grundy County. The Grundy County RWSPG vacancy is now filled. 2) Today the RWSPG will be providing lunch given our meeting will be extending into the lunch hour.

Joyce O'Keefe, Openlands, informed the group about an upcoming conference to be held on Friday May 16, 2008: "Beyond Showerheads and Sprinklers: Water Governance Solutions for Illinois". This conference is co-sponsored by Openlands and Metropolitan Planning Council and will be held at the Union League Club of Chicago. The early-registration fee is \$45.

Paul Schuch, Kane County, asked the RWSPG to submit a letter of support to the federal government in support of a collaborative lobbying effort in Washington for funds to support additional geological mapping research in Northeastern Illinois. The RWSPG unanimously approved the request for letter of support. Dr. Loftus, Paul Schuch, Bonnie Thomson-Carter and Bob Martin will meet to discuss the details.

**III. Approval of Minutes**

A motion was made, seconded, and carried to approve last meeting's (January 22, 2008) minutes as written.

**IV. Outreach and Education**

Sandy Perpignani, Associate Analyst, CMAP, presented an update on the mail-questionnaire for water utilities. The updated text was submitted to the group prior to the

meeting; however, the design layout was circulated at the meeting. Staff is currently in the final design and planning stage of the survey. First round of testing will be in March. The water survey aimed at the general public is still in the preliminary design stage and a draft will be ready in time for the March RWSPG meeting.

In response to the updated water utilities survey, the RWSPG suggested a few minor changes to the content and ordering as well as some additions to response choices of some of the questions. These suggestions touched on peak and growth demand, addition of growth demand as a challenge, max/min rate, the inclusion of rate schedule as attachment, the order and definition of conservation questions, validity of weights assigned to answers, pumped to metered relationship and the inclusion of equations. Lynn Rotunno suggested we collect qualitative data as well through a series of interviews with water system managers to better understand the utility functions as a whole.

Some suggestions will be implemented in the update version of the water utilities survey. If you have any questions contact Sandy Perpignani at [sperpignani@cmap.illinois.gov](mailto:sperpignani@cmap.illinois.gov) or 312.386.8648.

#### **V. 2009 NEIL Regional Water Supply Plan: Draft Report Outline**

Dr. Loftus gave an update on the RWSPG draft report outline presented at the previous meeting by Derek Winstanley, ISWS. In contrast, to previously thought, the RWSPG is 100% responsible for writing the plan. There will be no writing support given by the state surveys (ISWS and ISGS). The state surveys will provide technical scientific advice and data that will be a source of reference for the RWSPG group's plan recommendations. Mr. Glatfelter, ISGS, articulated the concern of the surveys not to be responsible for discrepancies in the report. He encourages that the RWSPG take complete ownership of the report.

Dr. Winstanley provided the draft report online as a recommendation for the RWSPG to follow; however, it is a suggestion. The RWSPG can make any and all necessary changes. There was a concern that not following the surveys outline would break the consistency between reports (the Mahomet Aquifer) or that the final RWSPG recommendations will differ from state expectations. Dr. Loftus expressed the need to honor and encourage the use of the survey's outline but that the final RWSPG regional plan (report) may not mirror the outline exactly. Dr. Loftus plans to express this concern with the assistance of the RWSPG's co-chairs in letter form to the surveys and asked the RWSPG to submit any edits to the outline to him. He suggested that the edits be more general than specific. Mr. Glatfelter stated that a formal letter was not necessary.

Sergio Serafino expressed the need to see a draft of the report sooner than later. He is concerned we are not leaving enough time to devote to the plan and suggested that we build in to every agenda time to discuss the format and content of the final report. A motion was made, seconded and carried to add a report discussion item to the agenda until the end of the RWSPG 3-year process.

Finally the RWSPG needs to keep in mind that the 11-county region is very diverse and that diversity need to be reflected in the plan especially in terms of supply and demand.

## **VI. Regional Water Demand Scenarios Report**

Dr. Ben Dziegielewski, SIUC, presented the draft Water Demand Scenarios Report. He noted that this report is in draft form and is subject to change based on the RWSPG's and ISWS's comments. This report is a major project and there are not many similar regional analyses that exist. The methodologies used in the report were developed in the 1960s by prominent academics and have been expand on in recent decades by more academics. Dr. Dziegielewski has been using aggregate data and parameters to build on the methodology in the past 5-6 years.

Mr. Martin suggests the RWSPG go through the report chapter by chapter and solicit comments. He asks everyone to keep their comments and questions general and to send the more specific comments and questions to Dr. Loftus who will then compile and send the inquiries to SIUC.

Chapter one questions and comments touched on less and more resource terminology, the report inference that more Lake Michigan will need to be used, more detailed data, data structure and request to distinguish by water source, consumptive and reuse issues and concerns about making recommendations with incomplete data. It was reiterated that this is strictly a withdrawal report regardless of supply (this will come later) and that the report will look at withdrawals and the impacts of withdrawals on what is already known about supply. In addition average day data will be the focus of the report. There was a request to put the RWSPG's comments about the need for better data as a recommendation in the final plan.

Chapter two questions and comments touched on the need to clarify supply sources and users, more information on the background of this section, more detailed results and need for logic on the population shifts, especially in Lake County.

Chapter three questions and comments touched on the issue of the magnitude of return water, concerns about editorial drafting and a request for more time to review.

Chapter four questions and comments touched on the inclusion of mining and the possibility of changing the demand scenario based on the recommendation or policy changes of the RWSPG in order to see the new results of those actions.

Chapter five questions and comments touched on the possibilities of continuous reuse of water, evaporated water loss, differences between different water sources, reuse and the public supply, request for more information about discharge, golf courses and their watering maintenance habits and ethanol.

Chapter six questions and comments touched on the defined relationship between weather, temperatures and water use, irrigation during dry seasons, and the possible effects of global warming on power plants and cooling towers.

For the next steps, the RWSPG discussed the idea that demand would be different depending on where it is coming from. By moving the projected population around, the demand and supply source changes. A question was asked whether Lake County would eventually be on Lake Michigan water. Mr. Glatfelter reminds the RWSPG that the report will show the breakdown of water withdrawal but will not show any new points of withdrawal.

All specific questions should be directed to Dr. Loftus at [tloftus@cmap.illinois.gov](mailto:tloftus@cmap.illinois.gov) no later than one week from this Friday.

Dr. Loftus had a few ending comments for the RWSPG. The effort the group is undergoing right now will be the first regional water plan; we are not going to be able to capture everything in this first round. However that should not handicap the group into not making planning decisions. There will never be a point when the group will have perfect data. The RWSPG needs to start making decisions and practice adaptive management along with way.

There was also a comment on how CMAP's 2040 Plan will fit into the work of the RWSPG and if RWSPG's recommendations will be considered in CMAP's planning efforts.

## **VII. Water-use Conservation Measures**

Dr. Loftus started the RWSPG off with an introductory presentation discussing why it is important to conserve and the associated benefits, a review of the BMP matrix and how these conservation BMPs fit into the RWSPG's larger idea of looking at how to manage water supply to meet water demand. The RWSPG will be looking at the suite of presented BMPs in order to decide for or against their inclusion in the final planning document. Finally, Dr. Loftus pointed out that because the RWSPG's region is heterogeneous, there is a need to have a heterogeneous organization of these BMPs and how they will differently affect the region.

Ylda Pineyro, Outreach Associate, CMAP, presented the first two water conservation BMPs, public information and school education. Ms. Pineyro provided elements and significance of public outreach efforts regarding water conservation. Her presentation included various examples of full circle marketing and advertising strategies linked directly to water conservation programs, such as rebates and hardware replacement programs, and broad public awareness efforts. Ms. Pineyro also provided several examples of school programs that have been implemented in other states and communities. In addition to public information and school outreach BMPs examples, Ms. Pineyro provided a quick overview of some of the national and non-profit initiatives that are focused on water conservation outreach and education available for states and communities, such as EPA's Water Sense and Project WET. Finally, Ms. Pineyro proposed six draft recommendation statements for the group to evaluate and provide feedback. Joyce O'Keefe, Openlands and Martin Jaffe, UIC requested that prior to developing specific recommendations staff should provide more research of the efficacy of these advertising and marketing campaigns. Staff agreed to continue to supply the group with

more statistical information regarding marketing and advertising efficacy. The RWSPG did not approve the proposed recommendations distributed; however the group agreed and voted that both public outreach and school education should be included a part of the water conservation BMPs recommendations for the plan.

Amy Talbot, Assistant Planner, CMAP, presented the third and final BMP of the day, Conservation Coordinator. Ms. Talbot expressed the necessity of employing a conservation coordinator at the local level in to manage a utility's water conservation plan that will lead to direct water savings from implementing BMPs. The position of conservation coordinator does not have to start off being a new full-time employee. It can be an existing utility staff member with the additional duties. The staff's recommendation statement to the RWSPG is as follows: "Everyone water utility will assign the conservation coordinator role to either an existing staff person or create a new position." Some remaining members attempted to make a motion to accept this recommendation; however, there could be no vote because a quorum was not present. Further discussion is needed and this issue will continue to the March meeting.

There was a request by the group to receive these BMP presentations at least a week before the meeting so they can be properly reviewed. In addition the group requested that they receive a complete listing of all the BMPs that will be presented.

#### **VIII. Other Business**

There was no other business.

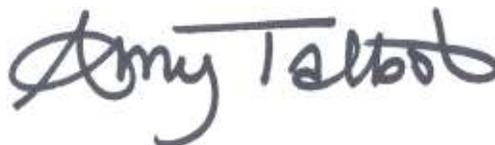
#### **IX. Public Comment**

There were no public comments.

#### **X. Adjournment**

Today's meeting adjourned just before 2:00 p.m. Next meeting will be held on March 25, 2008 from 9:30-1:00 p.m. at the offices of Chicago Metropolitan Agency for Planning (CMAP) located at 233 S. Wacker Drive, Suite 800, Chicago, Illinois 60606.

Respectfully submitted,



Amy Talbot  
CMAP Staff Liaison

2-27-08