



Chicago Metropolitan Agency for Planning

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Northeastern Illinois Regional Water Supply Planning Group

June 26, 2007 10:00 a.m.

Chicago Metropolitan Agency for Planning
233 S. Wacker Dr., Ste. 800, Chicago IL 60606

Delegates Present:

William Borgo-Mayor, Village of Manhattan; Conor Brown - Government Affairs Director, Illinois Assoc. of Realtors; Karen Darch - President, Village of Barrington; Joe Deal-City of Chicago; Jerry Dudgeon - Director, PB&Z Kendall County; Jeffrey Edstrom-Project Planner, GeoSyntec Consultants; Scott Goldstein - VP for Policy, Metropolitan Planning Council; Jeff Greenspan - Project Manager, The Trust for Public Land; Martin Jaffe-Director and Associate Professor, University of Illinois Chicago; Alan Jirik-Director of Corporate Regulatory Affairs, Corn Products International, Inc.; Mike Kenyon - Kane County Board; Karl Kruse- Kankakee County Board Chairman; Karen McConnaughay - Kane County Board Chair; Daniel McLaughlin - Mayor, Village of Orland Park; Joyce O'Keefe-Deputy Director, Openlands Project; William Olthoff, Farmer; S. Louis Rathje - Chairman, DuPage Water Commission; Lynn Rotunno- Sierra Club, Illinois Chapter, McHenry County Defenders; Jeffrey Schuh - Senior VP, Patrick Engineering, Inc.; Sergio Serafino - Metropolitan Water Reclamation District of Greater Chicago; Jack Sheaffer - Principal, Sheaffer International; Bonnie Thomson Carter - Lake County Board member; Ruth Anne Tobias - DeKalb County Board Chairman; Catherine Ward, Boone County Board Chairman; Peter Wallers - President, Engineering Enterprises, Inc.

Delegates Absent:

Robert Abboud-President, The Village of Barrington Hills; James Bilotta-Will County Board member; Tom Hyde-Mayor, Village of Island Lake; Ken Koehler-McHenry County Board Chairman; Robert Martin-General Manager, DuPage Water Commission; Patrick Smith - General Counsel, Deer Point Homes; Thomas Weisner - Mayor, City of Aurora

RWSPG Vacancies:

Cook County Government, Grundy County Government, Boone-Grundy-Kankakee County Mayors

Others Present:

Paul Anderson, Benedykt Dziegielewski, Ed Glatfelter, Tim Loftus

1.0 Welcome:

Chairman McConnaughay called the meeting to order shortly after 10:00 a.m. The meeting was held at the Chicago Metropolitan Agency for Planning offices at 233 S. Wacker Dr., Ste. 800, Chicago IL 60606.

2.0 Agenda Changes and Announcements

3.0 Approval of Minutes

Bonnie Thomson Carter requested that a misplaced "p" be removed from her name in previous editions of RWSPG meeting notes. The minutes were approved.

4.0 "Water-demand Scenarios to 2050: An Update"

Dr. Benedykt Dziegielewski of Southern Illinois University at Carbondale made a presentation on the demand scenarios he has been contracted by CMAP to develop. He referred to a PowerPoint presentation. Thereafter several members asked questions about the assumptions underlying the scenario-building methodology and one suggested that the RWSPG would like to be informed of them. It was suggested that members should contribute feedback by July 13. Dr. Loftus agreed to document the assumptions as they are made over the next few months and report back to the RWSPG at a future meeting; most likely the October meeting during which Dr. Dziegielewski will report back to the RWSPG.

Regarding a question as to why water use data for power plants is uncertain, Dr. Dziegielewski noted that the federal government will not release data for nuclear plants. To a question regarding whether the 2050 scenarios would incorporate climate change data and specifically drought, he responded that they would only include average conditions with a possible deviation in climate normals with climate change. Another member suggested that the heavy per capita water use along the North Shore indicated in the presentation was probably due to large manufacturing plants rather than outdoor residential use and noted that more information might be available as a result of reporting requirements under rules for Section 316(b) of the Clean Water Act.

A question was asked regarding how to account for the reuse of water after treatment, e.g., the withdrawal of treated wastewater from the Sanitary and Ship Canal for industrial cooling water. Dr. Dziegielewski responded that his work would address only demand and keep the source of supply separate. However, consumptive versus non-consumptive use must be addressed. In response to a question about the consumptive use of thermoelectric generation, Ed Glatfelter noted that most plants use once-through cooling but that new nuclear plants, if built, will most likely use evaporative cooling since federal regulations encourage this.

A member asked why household income would be assumed higher in the more resource-intensive and lower in the less-resource intensive scenarios (LRI), respectively, suggesting instead that the lower infrastructure investment requirements of the LRI scenario would tend to promote higher effective household income. After discussion, it was

recommended that income be held constant across the scenarios. An audience member asked whether the scenarios would account for infiltration into the sewer system. Dr. Dziegielewski said this would have to be accounted for in determining consumptive use, but said that delving into the question in detail, by for example using the Army Corp's infiltration model, as suggested by one member, would be beyond the scope of his study.

5.0 "Water Reuse: An Integral Part of Sustainable Water Resource Planning"

Dr. Paul Anderson of Illinois Institute of Technology made a presentation of work he has undertaken regarding water reuse. He referred to a PowerPoint presentation.

A member suggested that water reuse could be attractive to municipalities using aquifers, especially since some wells require heavy treatment for radium and officials might be able to extract more value out of that treatment by reusing the wastewater. Dr. Anderson noted that reuse would be a much better option if the infrastructure is laid for it in the present in growing deep aquifer dependent areas. A member suggested that outdoor use would be a public health concern for children and others. Another member replied that Hamilton Lakes had used the water on ball fields even when it was expected that there might be skin contact with the grass. An agriculture stakeholder asked whether heavy metals would be a problem, as he had had a produce supplier disallow the use of wastewater on certain crops because of potential or actual heavy metal contamination. Dr. Anderson said heavy metals tended to concentrate in the solid fraction of wastewater. A member said heavy metals are chiefly from industrial uses and that USEPA regulates them through the pretreatment program.

6.0 RWSPG Working Goals

Tim Loftus continued the discussion of the RWSPG's working goals. He said that the last draft had been sent to the Group for comment on June 12 and that he had since received feedback on them. Referring to a PowerPoint, he reviewed the goals from June 12 and then the goals as revised by CMAP staff, explaining that the goals had been formulated to try to meet the so-called SMART test (specific, measurable, attainable, realistic, and timely) and to be mutually exclusive (independent of one another). Staff recommended wording changes to goals 1 – 6, the recategorization of goal 5 as a principle, and the deletion of goals 7 and 8. Dr. Loftus suggested tabling the goals and returning to them at a later date. A member moved to adopt goals as revised by staff. Another member objected that the caucus group he represents had not had a chance to review the goals and that they should not be accepted until they had done so. After further conversation, it was moved that the goal revisions as recommended by staff be accepted as interim and revisited in six months. Motion carried with one opposed.

7.0 Other Business

None.

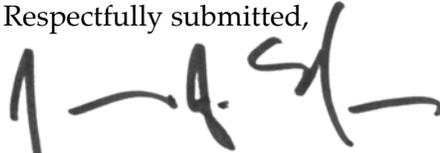
8.0 Other Business

None.

9.0 Adjournment

The meeting was adjourned at approximately 12:00 pm.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Jesse Elam', written over the printed name below.

Jesse Elam, AICP
CMAP Staff Liaison

07-02-07