



Technical Advisory Committee

April 24, 2012

Meeting Minutes

Present: Peter Wallers, Chairman representing MWCOG; John Dillon, City of Batavia, representing MWCOG; Paul Miller of DeKalb County, Dave Lawry representing MWCOG; Paul Schuch of Kane County; Scott Trotter of Trotter and Associates representing LCML, Dennis Burmeister of Village of Barrington representing NWMC; Victor Ramirez, City of Crystal Lake representing MCCOG, Ed Coggin of HR Green, representing MCCOG; Kurt Thomsen, KDT Environmental, representing BACOG. Kyla Jacobsen, City of Elgin; Tim Loftus, CMAP; Scott Meyer of Illinois State Water Survey; Josh Ellis and Abby Crisostomo of MPC; Tina Seaman, Openlands; Ken Schroth, City of Aurora; Dave Schumaucher, City of Aurora; Joe Munder of City of West Chicago; and John Van Arsdel, ME Simpson; Tony Speciale, Village of Sugar Grove; Ermin Arslanagic, Johnson Controls; Kelly Borma, Crawford, Murphy and Tilly; Ed Coggin of HR Green, representing MCCOG; David Husemoller representing Lake County; Michele Piotrowski, EEI; Jeff Freeman, EEI and Angie Ford, EEI.

Peter Wallers called the meeting to order at 10:06 a.m.

Welcome and Introductions – Peter Wallers welcomed everyone to the meeting. Introductions were given by those present.

Agenda Changes and Announcements – None at this time.

Approval of Marcy 27th Meeting Minutes – Minutes of the March 27, 2012 meeting were approved with two typographical changes: correct spelling of Scott Meyer and Abby Crisostomo's names. The motion was made by John Dillon and seconded by Paul Schuch.

Water Loss Presentation: John Van Arsdel of M.E. Simpson gave a brief overview presentation on the water audit process. He stated that the M36 Manual from AWWA – Water Audits and Loss Control Programs is a very useful tool. He also mentioned that every five years AWWA reviews their manuals. The term *unaccounted* is not used anymore; everything can be categorized by different losses. Free water audit software can be found on AWWA's website:

<http://www.awwa.org/Resources/WaterLossControl.cfm?ItemNumber=48511>).

ILI (Infrastructure Leakage Index) number is how you compare your number to other municipalities. He stated that you will want to trend your data over years; a typical water audit is over 12 months. After you do the top down audit, then do the bottom up audit.



Part two of the presentation covered the differences between the IDNR LMO-2 Form and the AWWA software. John gave a more in-depth review of the various components of the software. He showed the City of Lake Forest's Water Loss presentation as an example. He also commented on the City of Philadelphia's water audit which has an ILI of 9 and they put their water audits out on the internet for the general public. (http://www.phila.gov/water/pdfs/WRF08_4_24.pdf)

There's going to be a push to adopt the AWWA audit format as the standard. Peter explained what the NWPA is hoping to accomplish to do; make recommendations to the 80 communities that are involved. Target ILI should be between a 3 and a 5 which would suggest a very well run system. Smaller systems tend to have a smaller ILI than a bigger system. It's changing the mind-set to economics vs. how much water are you willing to lose? How much money are you willing to lose? Translate the water loss to dollars and cents. Unavoidable losses are where you do everything that you possibly can; i.e. emergency main breaks. Age is not a part of it. Will discuss at next month's meeting to determine what our recommendation should be to the Executive Committee.

IGIG Update – Josh Ellis announced that the 2012 Infrastructure Grant Awards were announced on Friday. City of Aurora received \$1.5 Million – 28 different intersections; 2 of them will have pervious concrete and/or 112 rain gardens will be installed. The Sierra Club is going to be helping out with educational outreach.

Education – Municipal Ordinance Review: Continuation of discussion regarding water conservation ordinances in order to make a recommendation from the TAC to take to the Executive Committee. At the direction of the TAC we are starting with lawn watering ordinances. NWPA has been tasked to use a cooperative planning approach to sustainably provide groundwater and inland surface water supplies. 58% of residential water use goes to outdoor use. (There was some debate on the validity of this percentage.) According to UIUC-Extension, Illinois lawns need 1 to 1.5in/wk (including rainwater) and it's best to water deeply and infrequently. Peter Wallers asked MPC to try to figure out what the ratio is regarding the efficiency rates in regards to oscillating lawn sprinklers vs. pop-up sprinklers.

Color coded status method or not? Pros/Cons were given with going in this direction. Of the 80 units of government, 50 have something and 30 have nothing. Paul Schuch; we all share the same aquifers so we are competing for the same water supply so we should have uniformity on top of the ground as well below the ground. Tim Loftus' suggestion is that we determine what the ordinance should entail and then see if this adds to it or detracts from it. Two options for red were given – Complete ban – individual community; Complete ban – US Drought Monitor, NWPA, Individual Communities. Discussion was had regarding each. A local ordinance should be suggested that augments the County ordinance regarding wells.

Options for green – mid-day and overnight restriction (ban 9a-6p and 9p-6a) or even/odd by street address with time restriction (ban 10a-6p). There is not an option of no restriction.



Options for yellow – CMAP model (ban 10a-6p, 2hr max, 2day/wk), hour restriction (ban 9a-6p, 2hr max, no day restriction or

Options for orange – consists of exceptions for handheld/small watering devices.

Single Restriction Type – CMAP Model (ban 10a-6p, 2hr max, 2day/wk); hour restriction (ban 9a-6p, 2hr max, no day restriction) or even/odd (ban 9a-6p and 9p-6a). All or nothing.

After much discussion it was determined that Josh would take the information discussed today and have a survey created to get feedback. He will then bring back the results with three alternatives and come back with results next month.

Executive Committee: Peter Wallers the listing of the WaterSense Partners was distributed, if you pass the resolution let us know and we will add you to the list.

He also stated that the CMAP bill inserts and newsletter inserts have been being used. Keep sending those to Amy Talbot and Tim Loftus so that they can keep track of those.

Goals and Strategies: None at this time.

Other Business ~ Plumbing Codes Update: Working with the Illinois Department of Health to update the manual. HB4496 passed in the House 100-14 and should be on the floor this week or next. MPC will start hosting stakeholders meetings to discuss grey water and rainwater harvesting. If anyone is interested in participating let Josh Ellis know.

May 22nd meeting Margaret Schneemann will be giving a presentation on Full Cost Water Pricing.

ISWS RWSPG Final Report will be presented at the July 24th meeting.

The meeting was adjourned at 12:05 p.m.

The next meeting will take place on Tuesday, May 22nd.

Submitted by _____ Angie Ford, Recorder