

WLMAC MEETING NOTES OF MARCH 8, 2011

Present: Greta Eckhardt, Chuck Olmstead, Paul Malchodi, Barry Rosen

Note Takers: Greta Eckhardt, Barry Rosen

Chairperson: Barry Rosen

Called To Order: Barry called the meeting to order on Tuesday, March 8, 2011 at 8:15 PM (ET).

New Business:

There were no minutes prepared at this time for approval nor was there any new business on the agenda or introduced by any of the committee members.

Old Business:

1. This meeting of the WLMAC was a continuation of the previous (March 1, 2011) meeting and was organized as a “workshop” meeting focused on capacity of the AWD.
 - 1.1. A major theme that arose during the discussions was that capacity should be considered with the assumption that the AWD wants to be self-sufficient in its supply of water to its rate payers. Discussion ensued as to whether or not this meant that water pumped from the AWD had to be pumped from wells within the Town of Acton or could wells or the water supplied be pumped from sources outside the District. For example, would the AWD be self-sufficient if water was obtained from the MWRA (Massachusetts Water Resources Authority) as the water wholesaler. It was not clear that this “self-sufficient” concept discussion was completed.
 - 1.2. Greta suggested that we document our work with a “straw man” table of contents. This would be provided to the Board of Commissioners for approval before we proceed. The Committee agreed with this. The work-in-progress is again attached to the minutes.
2. Next WLMAC meeting: It was agreed that the next meeting of the WLMAC will be at the regularly scheduled time/date of Tuesday, April 12, 2011 beginning at 8:00 PM at the AWD HQ.

Adjournment:

On a motion made by Paul Malchodi and seconded by Chuck Olmstead to adjourn the meeting and after a unanimous vote, the meeting was adjourned at 10:05 PM (ET).

EXECUTIVE SUMMARY

(Write this after rest of report has been assembled.)

INTRODUCTION

The water supply capacity of the Acton Water District is the result of a complex set of interrelationships between two systems—~~within the District:~~ ~~N~~naturally occurring water resources and human-engineered infrastructure. An understanding of this capacity is critical to effective planning for District operations and improvements. Information on water supply capacity can also offer important input for planning by other municipal entities at town and regional levels.

In this report, water supply capacity of the District will be considered at four time scales, by looking at the amount of water available on a single day, over a short period of days, over a longer period of weeks or months, and on an annual basis.

Starting from an assessment of the District within its current limits coincident with the boundaries of the Town of Acton, we will also consider the effects of possible regionalization. Financial considerations will also be discussed.

(In this report we will also need to address the question of what is the desired end state toward which our recommendations would lead.)

Human-Engineered Infrastructure

Input

- Groundwater
- Surface water
- Rain barrels
- **Septic systems**
- **Water supply systems outside the District**

Storage

- Reservoirs
- Storage tanks
- Residence within distribution system

Flow Paths

- Pumped distribution system
- **Leaks**

Loads

- Base level use by residences, institutions and commercial entities **within District.**
- Fire protection
- Seasonal demands for landscape maintenance **and pools**
- Leakage and loss
- **Water provided to entities outside District**

Also need to consider:

- **Water quality requirements**
- **Government (MA DEP) limits on withdrawal**
- **Methods of measurement**