



May 5, 2010

TO: Public Works Committee
FROM: Carl S. Goldsmith, Director of Public Works
SUBJECT: Automated Meter Reading Project

At the March 9, 2010 Public Works Committee meeting, staff presented a report regarding the installation of an Advanced Metering Infrastructure system to meter potable water sold by the Village of Lombard. The report identified the key operational factors for the meter change-out program, as well as the anticipated return on investment for the system. The recommendation presented to the Committee was as follows:

- Proceed with the installation of the infrastructure (backbone) of the system in FY 2011 based upon further propagation studies by the selected manufacturer.
- Proceed with the installation of automated fixed point hardware for all multi-family and commercial accounts in FY 2011
- Shift the costs of the fixed point system for single family residential units to FY 2016 and continue to monitor the performance of the meters through the meter testing program.

The Committee concurred with the staff recommendation and recommended that the Village Board include \$1.4 million dollars in the FY 2011 CIP and \$5.0 million in the FY 2016 CIP for the program. The Committee also requested additional analysis on the ROI for the system. Staff has provided data to HB Waterworks (current vendor) and is awaiting data to support the financial implication of the meter replacement program. The figures will be available prior to the June 2010 PWC meeting.

The purpose of this memo is to apprise the Committee of the pilot/test program set to take place in Lombard beginning May 17, 2010. The Village has arranged for the mobile meter tower to be placed at the standpipe located at Fire Station #2, as well as 20-25 smart point devices placed on meters in town. The system will test the data collection rate and assist in further propagation studies of Lombard. The trailer will be in operation for a period of 1 week. Additional information will be provided to the Committee at the completion of the pilot project.