

FOR BOARD ACTION

Agenda Item # 3

Meeting Date:

5/25/10

SUBJECT:

Water Distribution System Modeling Study
(2009 - Year Four Status Report)

PREPARED BY:

Doug Rovang, Senior Civil Engineer

ITEM DESCRIPTION:

This multi-year future water system expansion study was initiated in 2006. The ongoing study, being accomplished by Progressive Consulting Engineers, is evaluating future water system infrastructure needs in the various areas within and around the City. A water system computer modeling technique called extended period simulation (EPS) is being used to assist in determining the future need for additional wells, water storage tanks, and trunk water mains in each of these areas. The attached map shows the various areas included in this multi-year study.


Mr. Naeem Qureshi of Progressive Consulting Engineers will provide an update on the results of the fourth year of the study, conducted during 2009, which evaluated the higher level service areas south of Highway 52 (the Willow Heights and Airport High Level Areas, and the Saint Bridget Intermediate Area). RPU staff will address how the study results have been, and will be, useful related to water system infrastructure (supply and storage) additions.

FOR CAPITAL PURCHASES/BIDS/MAJOR PROJECTS:

The project was completed for the budgeted amount.

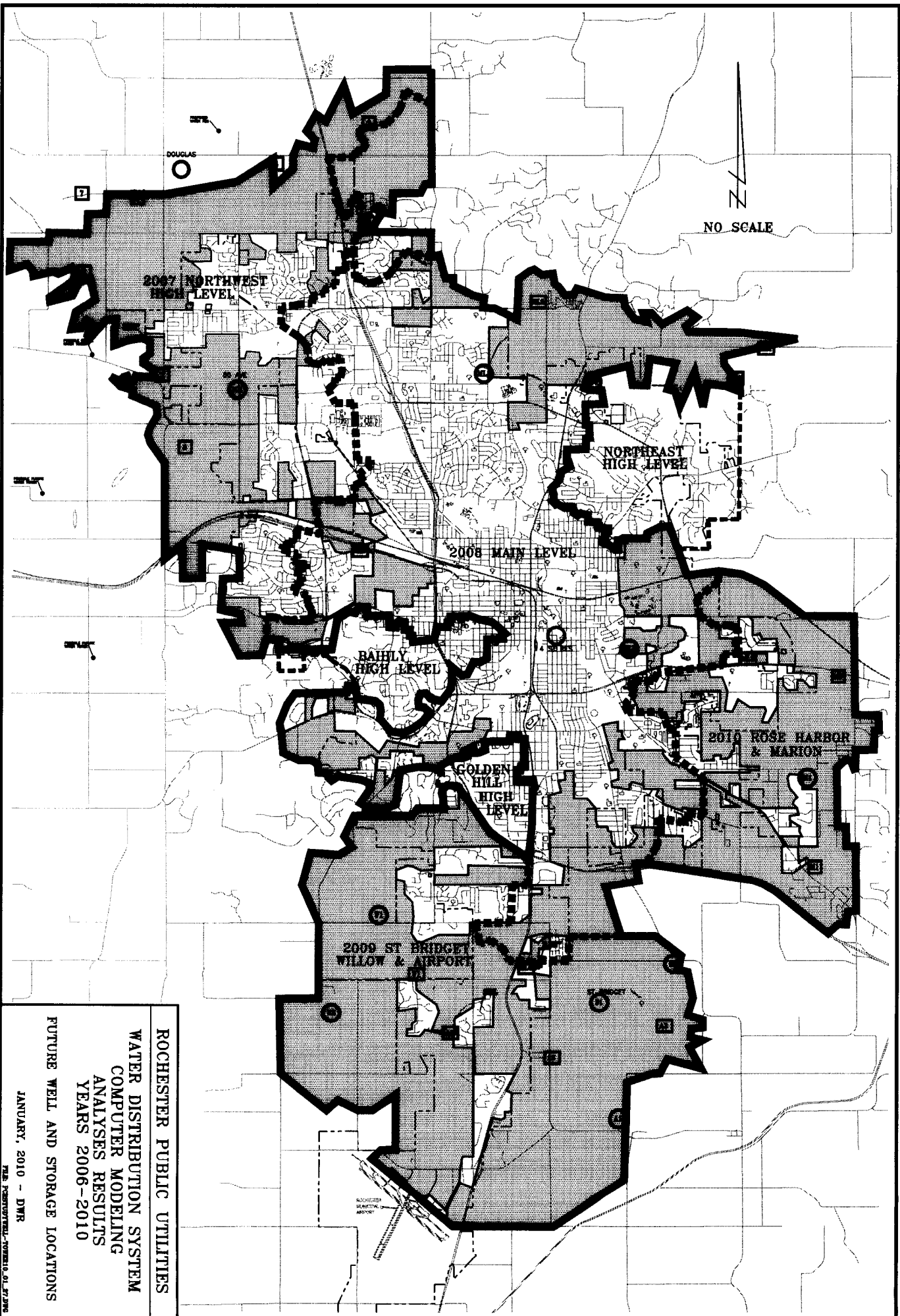
UTILITY BOARD ACTION REQUESTED:

This is an informational presentation. Utility Board action is not required.


General Manager

5-20-10
Date

ROCHESTER PUBLIC UTILITIES



ROCHESTER PUBLIC UTILITIES
WATER DISTRIBUTION SYSTEM
COMPUTER MODELING
ANALYSES RESULTS
YEARS 2006-2010
FUTURE WELL AND STORAGE LOCATIONS

JANUARY, 2010 - DWR

FILE: PESTWATER/ROCHESTER_01_07_2010