

Shutesbury Water Resources Committee

Final Agenda

April 10, 2013



DATE POSTED: This box for Town Clerk's use.
4/8/13 LB
TIME: 12:00 AM PM
Circle one

POSTED IN ACCORDANCE WITH THE PROVISIONS OF MGL 30A §§18-25

1. Minutes from Previous Meeting.
2. **WATER QUALITY ISSUES--Develop, review & discuss available data resources; identify types of data & their utility & additional data collection, compilation & analysis needs & methods; identify potential problem areas; & recommend solutions, as needed:**
 - a. Road Salt, Sand & Maintenance Questions—Mike Ross & Paul Lyons
3. **SHUTESBURY HYDROLOGIC MODEL--Develop, review & discuss available data resources; identify types of data & their utility & additional data collection, compilation & analysis needs & methods; identify potential problem areas; & recommend solutions, as needed:**
 - a. Water Resources Final Map & GIS Inventory Data Charts—Paul Lyons, et al
 - b. Model Components & Flow Chart Diagram—Hugh Harwell & Paul Lyons
 - c. Precipitation:
 - i. Weather Station History Graphs & Trend Analysis—Paul Lyons
 - ii. Al Werner's Home Site Records—Al Werner
 - iii. Climate Change Future Projections—Al Werner
 - d. Future Development Build-Out Projections—Paul Lyons & Hugh Harwell
 - e. Hydrologic Soil Groups Recharge Analysis Questions & GIS Mapping--Hugh Harwell & Paul Lyons
 - f. Lake Wyola Drainage Basin Surface & Groundwater Flow Patterns—Al Werner
 - g. Mt. Holyoke College Well Records Compilation & Analysis—Al Werner
 - h. Stream Flow Hydrographs—Paul Lyons & Al Werner
 - i. Monitoring Wells Proposal
4. **WATER QUALITY ISSUES--Develop, review & discuss available data resources; identify types of data & their utility & additional data collection, compilation & analysis needs & methods; identify potential problem areas; & recommend solutions, as needed:**
 - a. Nitrate Concentration in Groundwater from Septic Systems:
 - i. Housing Density & Land-Use Maps Overlaid with Hydrologic Soil Groups Map--Paul Lyons
 - ii. Mt. Holyoke College Well Test Results—Al Werner
 - b. Lake Wyola Development & Water Quality Records Compilation & Trend Graphing Mark Rivers
 - c. Stream Water Quality Records Compilation & Trend Graphing—Al Werner & Paul Lyons
 - d. Aquatic Ecosystem Health & Core Habitats Assessment—Mike Ross & Paul Lyons
 - e. Monitoring Wells Proposal
5. Items that cannot reasonably be anticipated prior to meeting