



Shutesbury Water Resources Committee

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Final Agenda

January 9, 2012, 7 PM

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

1. Minutes from Previous Meeting.
2. 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:
 - a. Water Resources Map Final Draft & Analytic Charts—Paul Lyons
 - b. Model Components & Flow Chart Diagram—Hugh Harwell & Paul Lyons
 - c. Precipitation:
 - i. Weather Station History Compilation & Trend Analysis—Paul Lyons
 - ii. Al Werner's Home Site Records—Al Werner
 - iii. Climate Change Projections—Al Werner
 - d. Hydrologic Soil Groups Recharge Analysis Questions & GIS Mapping--Hugh Harwell & Paul Lyons
 - e. Lake Wyola Drainage Basin Surface & Groundwater Flow Patterns—Al Werner
 - f. Mt. Holyoke College Well Records Compilation & Analysis—Al Werner
 - g. Future Development Build-Out Projections—Paul Lyons & Hugh Harwell
 - h. Stream Flow Hydrographs—Paul Lyons & Al Werner
 - i. Monitoring Wells Proposal
3. 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:
 - 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 Water Quality Records Compilation & Trend Graphing—Mark Rivers
 - c. Stream Water Quality Records Compilation & Trend Graphing—Al Werner & Paul Lyons
 - d. Aquatic Ecosystem Health—Mike Ross
 - e. Monitoring Wells Proposal
4. Items that cannot reasonably be anticipated prior to meeting