



## Shutesbury Water Resources Committee

DATE POSTED: This box for Town Clerk's use.
2/9/13
TIME: 2:00 AM PM
Circle one

### Final Agenda

July 10, 2013

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 & Marie Rivers
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