Shutesbury Water Resources Committee

DATE POSTED: This box for Town Clerk's use.
12/11/13
TIME:: 10:00 AM/PM Circle one

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

Final Agenda

December 16, 2013

1. **Minutes from Previous Meetings.**
2. **Water Resources Final Map Lamination Status Report—April Stein**
3. **Groundwater Monitoring Wells Plan and Funding Proposal—Al Werner & Paul Lyons**
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. **Road Salt, Sand & Maintenance ConCom Coordination & Select Board Report—Mike Ross, Paul Lyons**
    b. **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**
    c. **Lake Wyola Development & Water Quality Records Compilation & Trend Graphing--Mark Rivers**
    d. **Stream Water Quality Records Compilation & Trend Graphing—Al Werner & Paul Lyons**
    e. **Aquatic Ecosystem Health & Core Habitats Assessment—Mike Ross & Paul Lyons**
5. **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 Map & GIS Inventory Data Charts—All**
    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**
6. **Items that cannot reasonably be anticipated prior to meeting**