

Maine GIS Users Group Fall Meeting and Educator's Conference
Feb. 3, Maple Hill Farms, Hallowell, ME

9:00 – 9:45 **Registration**

9:45 – 10:00 **Welcome Remarks**

10:00 – 11:00 Session 1 - **Applied GIS for Policy Analysis for Municipal GIS Managers**,
Dave McKittrick, Blue Marble

Following a series of real-world workflows, we will address the issue of access to data by exploring numerous readily available and often free data sources. We will introduce the process for editing or creating vector features including the management of associated attribution, which is fundamental to property or parcel mapping. We will work with LiDAR and 3D data in the context of contour generation and terrain analysis as well as for feature extraction. We will address the issue of developing and enforcing regulatory policy through the creation of buffer exclusion zones around sensitive areas. And finally we will explore the options for sharing maps and pertinent data layers with constituents.

11:00 – 11:15 **Networking Break**

11:15 – 12:15 Session 2 **Utilities Using GIS for future planning** – Tim Walsh, Portland Water District and Allison Fisher, City of Portland Public Works

Tim will present on the use of DEM/contours and SCADA to determine levels of service for new and existing water customers, and to calibrate our hydraulic model.

Allison will discuss their Likelihood of Failure (LoF) and Consequence of Failure (CoF) analysis in order to determine the locations where infrastructure requires the most immediate attention, and those areas where attention can be postponed. Integrating CCTV pipe inspection data that is stored in our CCTV software ITPipes with Cityworks and ArcMap empowers our decision-making processes.

12:15 – 1:30 **Lunch**

1:30 – 2:30 Session 3 - **Idea Exchange Workshop: Geospatial Data Governance Policy and Practice**, Nate Kane, MaineDOT

In this room full of experts, all attendees are asked to actively participate in discussions, ask questions and share thoughts regarding management of GIS and related policies. This workshop will consist of brief presentation outlining the evolution of GIS Data Governance at MaineDOT (for some context) and followed by discussion-based sessions to explore actual issues, concerns and questions of attendees as well as actual solutions, experiences and ideas from other attendees.

2:30 – 2:45 **Networking Break**

2:45 – 3:45 Session 4 - **Using GIS for Land Use Planning**, Judy Colby-George, Spatial Alternatives

How can GIS be used to analyze the trade-offs among various land use policy options? What can we do with limited data and time? Can you really do that? These are all questions we hear regularly when working with clients. We will go over a number of possible uses of GIS related to land use policy and analysis. There will be ample time for question and answer.