Implementing a GIS-based Utility Network:  The Journey
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ABSTRACT TEXT: GIS software advances incrementally; new versions, upgrades, and patches, etc. much like other enterprise systems. Occasionally, a radically different approach emerges to realign with industry needs. Esri new Utility Network is such a shift in modeling and storing utility data. The geometric network and versioning conceptualized in the late 1990s are being completely transformed. The Utility Network is a scalable data model and software framework that allows the GIS to fully represent what is actually in the field with the highest level of accuracy, connectivity, and detail. It offers a path to transform organizations with network data - telecommunications, electric, gas, water, stormwater, wastewater, and hydrology (rivers and watersheds) and sets the stage for delivering significant value from innovations like the Internet of Things (IoT), drones, deep learning, and virtual reality.

This presentation will provide an introduction to the Utility Network, an examination of its characteristics and a summary of its impacts on enterprise GIS. A framework of action items will be provided to help GIS/IT departments prepare for successful adoption of the Utility Network.

GIS Asset Management: Ronald Wastewater District & the City of Shoreline
Clayton Putnam, GIS Analyst-Planner, Ronald Wastewater District, Shoreline, WA

ABSTRACT TEXT: Ronald Wastewater District is a small local govt. utility located in the City of Shoreline in Washington State. In Oct 2017 a long anticipated political assumption will take place and RWD will become the sewer utility for the City. This presentation will examine the challenges faced by the merger in regards to the GIS Asset Mgt. programs operated by the local govt.agencies. Two separate legacy systems are in place. They are being replaced by an asset management platform that is being configured by an outside vendor to meet the future needs of the City staff.

This presentation will examine the technological hurdles, political challenges,structural issues and lessons learned in this on-going process. In addition to the asset management project the introduction of a new multi-department permitting system that will include multiple users of GIS data has presented additional challenges. The presentation will focus on the tech challenges with emphasis on lesson's learned, examine the current configurations usability and posit questions for the future success of the assumption.

It is your asset management data… put it to use to justify your organization’s needs
Rocky Agbunag, MSCIS, GISP, Information Services Manager, St. Johns County

ABSTRACT TEXT: The annual St. Johns County Public Works Department budget planning requires a number of steps and decisions to allocate funds. This presentation will demonstrate how the County leveraged the GIS-centric Platform approach by utilizing a maintenance management system using Cityworks data and Esri ArcGIS to support the department’s needs. Geo-enabling decision makers with derived data to analyze service delivery to identify strategies & support decisions enrich the services provided to the citizens of St. Johns County, Florida.