

# Abstract

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### **Water/Wastewater Authority Geodatabase Design and Implementation**

**Track:** Water, Wastewater, and Stormwater

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The Lehigh County Authority (LCA) located in Allentown, PA, serves approximately 13,000 customers (residential, commercial, industrial) and maintains both a large network and smaller satellite systems throughout 11 municipalities within Lehigh County. This presentation will be a case study of the turn-key process LCA underwent from Needs Analysis and Implementation Plan through full enterprise-wide ArcGIS implementation. Particular detail will be given on the water and wastewater geodatabase design, pilot conversion and prototype applications, database design refinement, conversion strategy, and implementation. Special attention will be paid to lessons learned throughout the three year process.

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