Well Siting
The Basics

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Thursday November 2, 2017
Reasons for A New Well

• Failure/Replacement
• Additional Quantity
• Water Quality

• Finding a well to meet your needs is becoming harder and harder....
Vertical Well System

Pumping Well

Ground Surface

Pumped Drawdown at the Water Table
Tools Can Assist Us!

• Geographical Information System (GIS) has made our job a little easier
We are going to walk through an example of a project where the community has an existing WTP and needs to renovate it completely. The community wanted to evaluate the cost for a new source – VS - renovations.
Well and GW Flow Direction
Historical Water Level Records

Provisional Data Subject to Revision
Transmissivity (water movement)
Quality – Sample Collection