



AMERICAN WATER

## Leveraging GIS for Capital Investment Planning

*Save millions avoiding miss-allocated investment*

*Christopher Kahn, MGIS, GISP  
Senior GIS Project Manager  
New Jersey American Water*

## Predecessor Work Flow



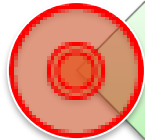
Operational Triggers (Quality, Fire Flow, Breaks, Pressure)



Human Interpretation of Potential Project Areas



Limited & Multiple Forms Defect / Consequence Data



Limited *Precise* Location Data



Data Entry Into Pairwise Comparison of Identified Projects

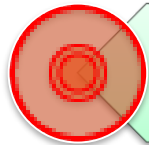
## New GIS Work Flow Bottom Up!



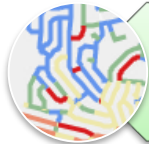
All Pipe GIS Analysis



Single GIS format of input data



*Precise* Location Data



Objective, Defendable All-Pipe Ranking



Human Collaboration & Planning

