



Hydraulic Model Development

Riverside Public Utilities –Water Engineering

Board of Public Utilities
April 24, 2017

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BACKGROUND

1. Current hydraulic model
 - a. Created in 2004
 - b. Updated in 2009
2. Drought and conservation have altered assumptions
Out of calibration
3. Underlying technology has changed

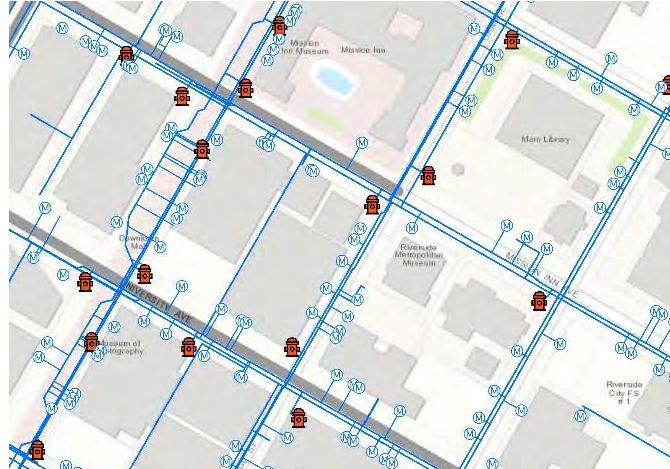
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USES OF HYDRAULIC MODEL

1. Operational Support
2. Fire Flow Analysis
3. Capital Planning
4. Energy Management



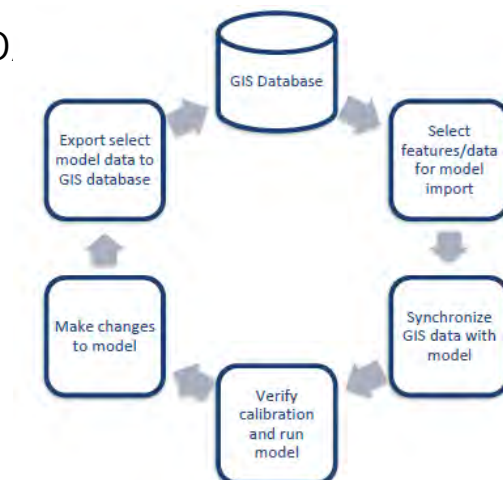
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SCOPE OF WORK

1. Data Collection from SCAD, Billing, GIS, and operations.
2. Model Building
3. Model Calibration
4. Training & Support



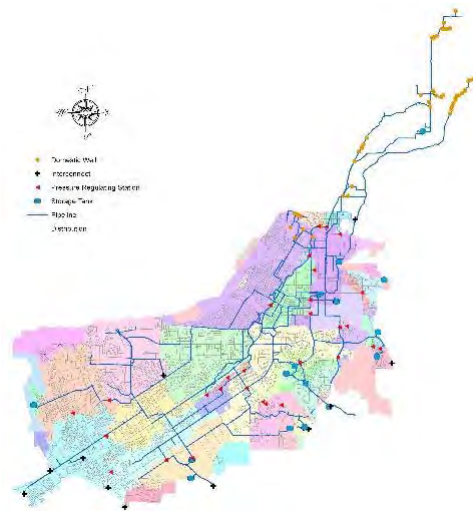
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BENEFITS

1. Improved operational support
2. Improved capital planning
3. New and easy-to-use interface to save staff time
4. In-sync with GIS and supports Utility 2.0



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CONSULTANT SELECTION PROCESS

1. Six proposals received via RFP No. DSM0002
2. Three firms invited for interviews
3. Kennedy/Jenks selected for best value

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RECOMMENDATIONS

That the Public Utilities Board:

1. Approve the Professional Consultant Services Agreement with Kennedy/Jenks Consultants of Irvine, California, in the amount of \$200,810; and
2. Authorize the City Manager or his designee to execute the Professional Consultant Services Agreement with Kennedy/Jenks Consultants of Irvine, California.