



## STAFF REPORT UTILITIES COMMISSION

Agenda Date: 12/4/2024  
Agenda Section: Information Only

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**Department Origination:** Public Works

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**Agenda Item:** 2024 Water System Hydraulic Model Update and Water System 20-Year Use Projections Project

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**Approval Required:** No Action Required

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### **BACKGROUND**

Work related to the 2024 Water System Hydraulic Model Update and Water System Planning is now completed with the delivery of the summary report. The work involved updating and calibration of the City's hydraulic water model, developing updated water system demand projections, water system analysis related to water main removals at the TH210/371 intersection, overall water system planning and update of the Ultimate water system planning map. Project phases are noted below – presentation of the work effort will be made at the December 4<sup>th</sup> utility commission meeting.

- Phase 1 (Water Model Update & Operational Verification).
- Phase 2: Water Demand Analysis and Projections
- Phase 3: TH 210/371 Trunk Water Main Changes - Water System Model Evaluation(s)
- Phase 4: Ultimate Water System Planning Map.

The Water model can now be maintained and used as an active water system planning tool moving forward.

### **FINANCIAL IMPLICATIONS**

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### **STAFF RECOMMENDATIONS**

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### **COUNCIL ACTION REQUESTED**