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NW Natural WATER™

Foothills UTILITIES™

Rebuilding the Future:
Utility Management Lessons From Legacy Water Systems

May 2026

INTRODUCTIONS

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Foothills UTILITIES™

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let's create tomorrow, together

AGENDA

- Introductions
- Background
- Discussion
- Lessons Learned
- Questions

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BACKGROUND

- Who is NW Natural Water?



NW Natural Water delivers safe, reliable water and wastewater utility services.

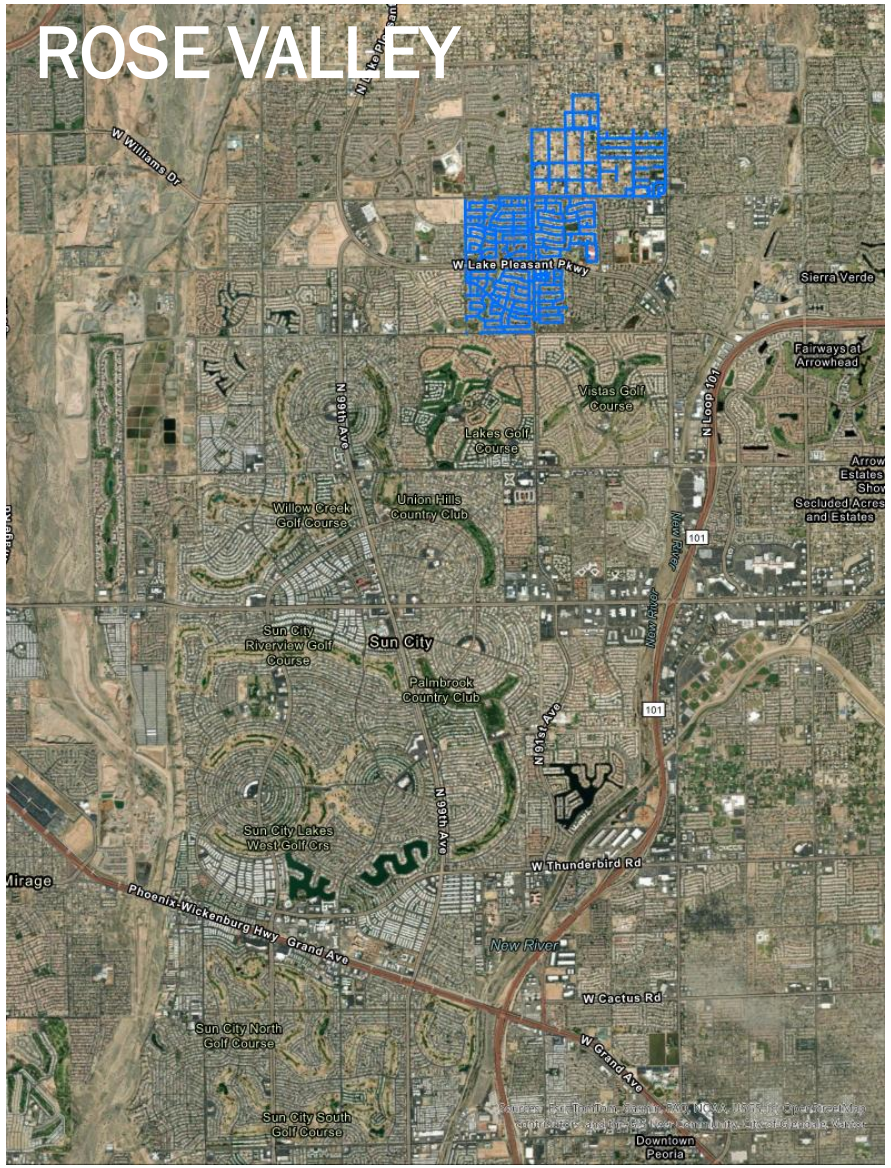
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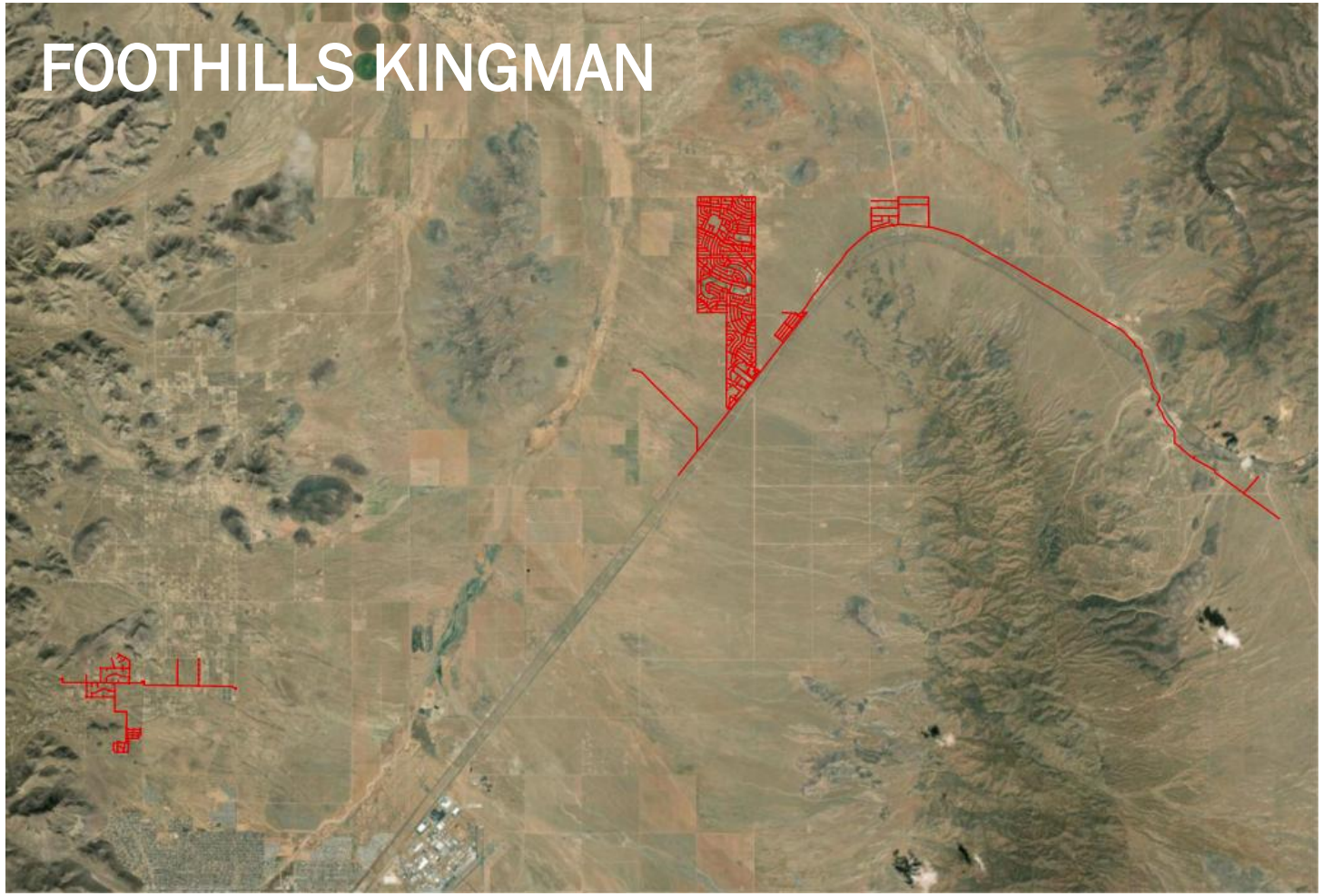
NW NATURAL WATER – ARIZONA UTILITIES



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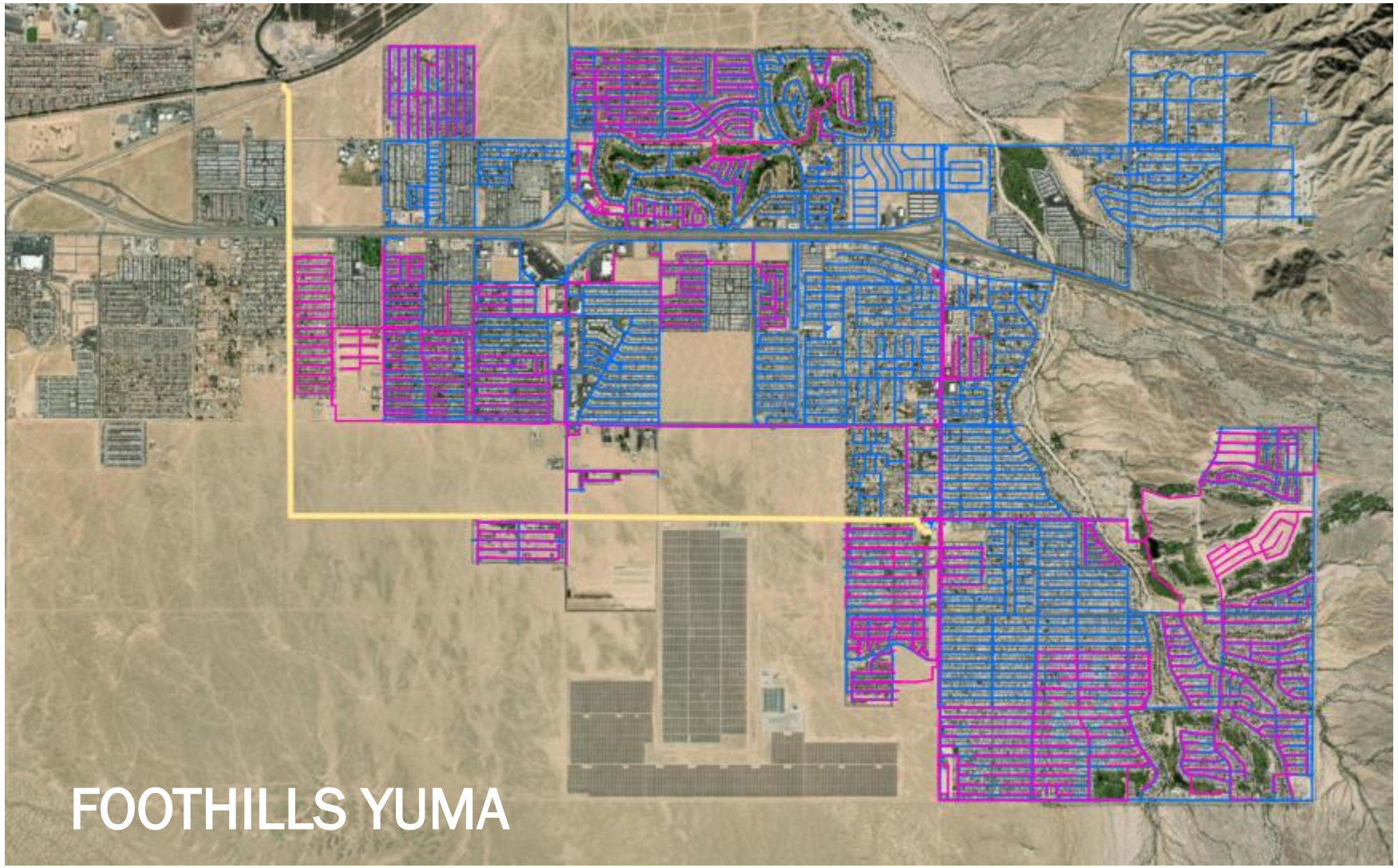
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FOOTHILLS YUMA – CURRENT PROJECT LIST

Water System

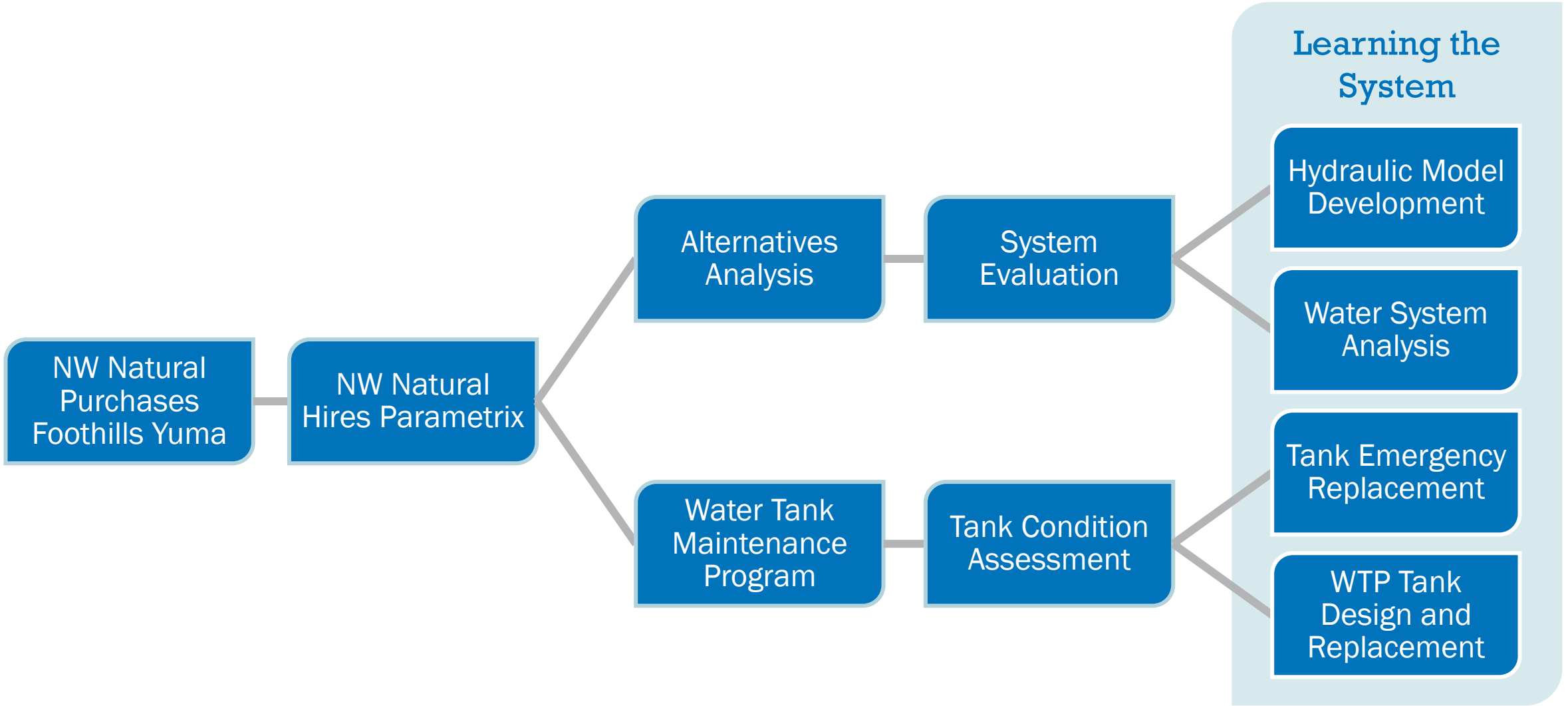
- Water Tank Replacement
  - 4 Emergency Steel Tank Replacements
  - One Concrete Tank
- Water Treatment Plant Alternatives Analysis
- Water System Modeling and CIP Development
- Raw Water Pump Station Upgrade

Sewer System

- Section 14 WWTP
- Lift Station 15 Force Main
- Sewer System Modeling
- Marwood WWTP Clean Closure
- Emerald Valley WWTP Upgrade

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BACKGROUND


NW Natural Purchases Foothills Yuma
NW Natural Hires Parametrix
Alternatives Analysis
System Evaluation
Water Tank Maintenance Program
Tank Condition Assessment
Learning the System
Hydraulic Model Development
Water System Analysis
Tank Emergency Replacement
WTP Tank Design and Replacement

QUESTIONS

- How can a company such as NW Natural Water prepare better while acquiring small utilities such as Foothills?
- How can consultants better guide clients in situations where there isn't a lot of information available and there is a lot of work that needs to be done?

DISCUSSION



FOOTHILLS YUMA – RAW WATER INTAKE





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FOOTHILLS YUMA – RAW WATER PUMP STATION





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FOOTHILLS YUMA – WATER TREATMENT PLANT



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FOOTHILLS YUMA





FOOTHILLS YUMA





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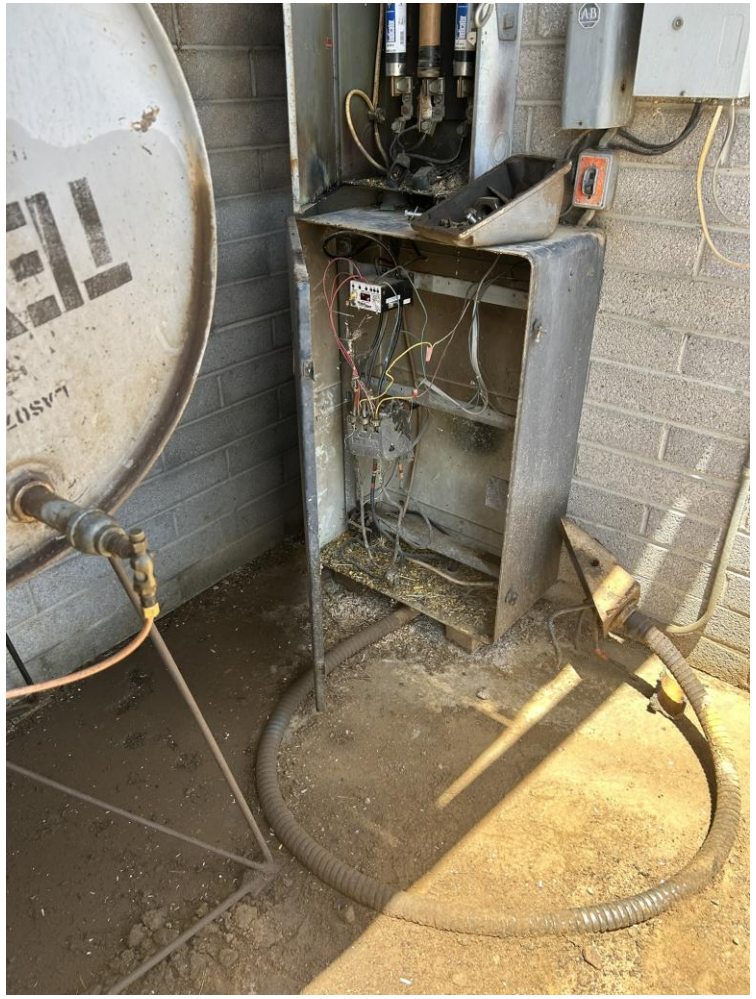
FOOTHILLS KINGMAN





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FOOTHILLS KINGMAN





CONCLUSIONS

- **How can a company such as NW Natural Water prepare better while acquiring small utilities such as Foothills?**
  - Conduct more research regarding the facilities and condition of system as a whole to better inform where the system is at in terms of what improvements are needed
  - What sort of capital projects are planned, or should be planned, in the short term

CONCLUSIONS

- **How can consultants better guide clients in situations where there isn't a lot of information available and there is a lot of work that needs to be done?**
  - Review existing documentation
  - Interview operations staff to understand the issues that they currently face and to get a sense of total system operation
  - Complete a full condition assessment on all the system facilities
  - Develop a CIP or supplement the existing CIP
  - Key: ***Collaboration*** with Utility staff

QUESTIONS



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