



ASSESSMENT OF HOUSTON WATER FACILITIES & ASSETS

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HOUSTON WATER

WASTEWATER SYSTEM

- 39 Wastewater Treatment Facilities
- 383 Lift Stations
- 6,195 miles of pipes

DRINKING WATER SYSTEM

- ❖ 3 Surface Water Treatment Facilities
 - ❖ 100 Groundwater Wells
 - 7,144 miles of pipes
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- ❖ Facility assessments are currently under contract.

FUNCTIONAL ASSET TESTS



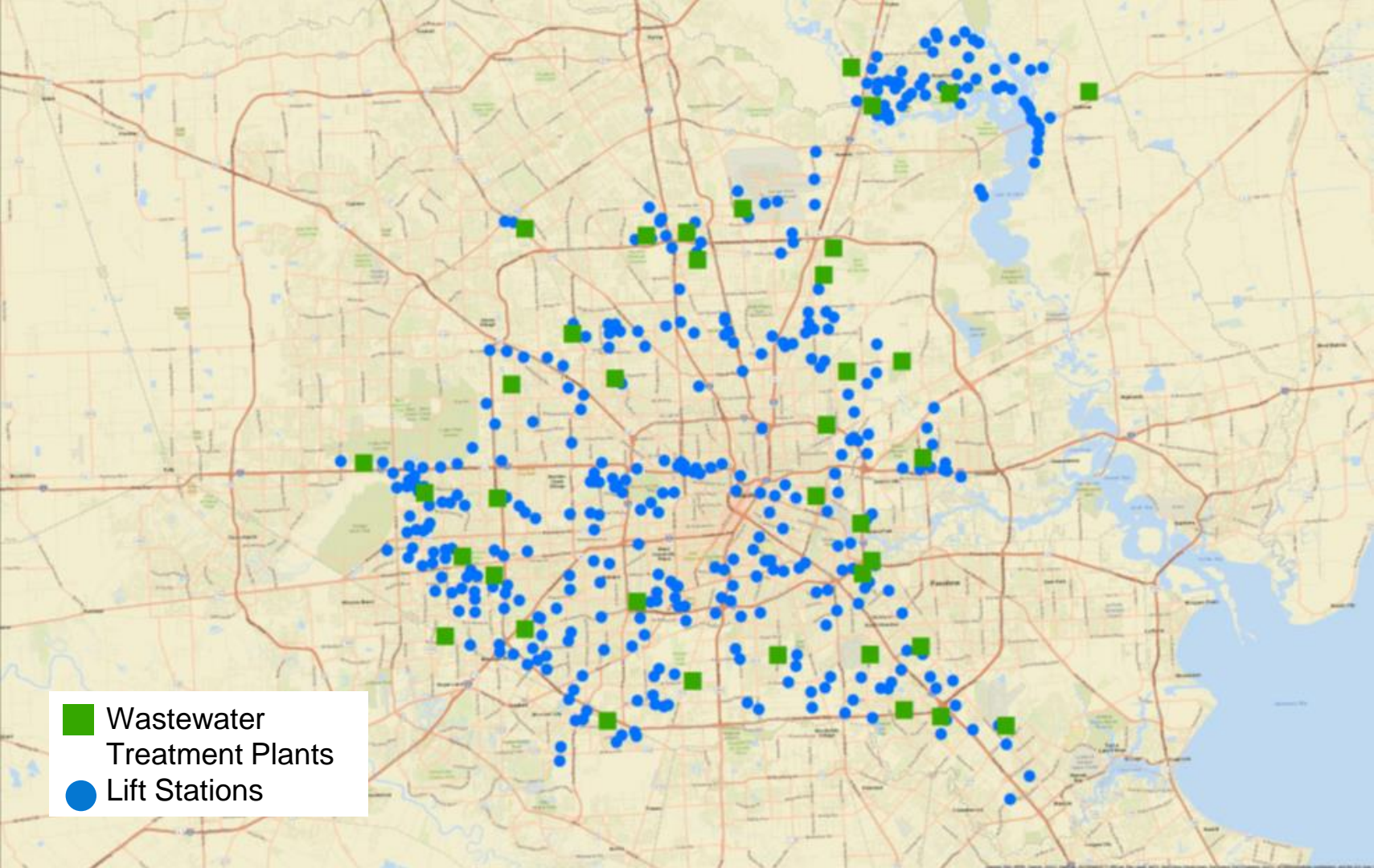
FEMA DAMAGE DOCUMENTATION



STRATEGIC ASSET MANAGEMENT

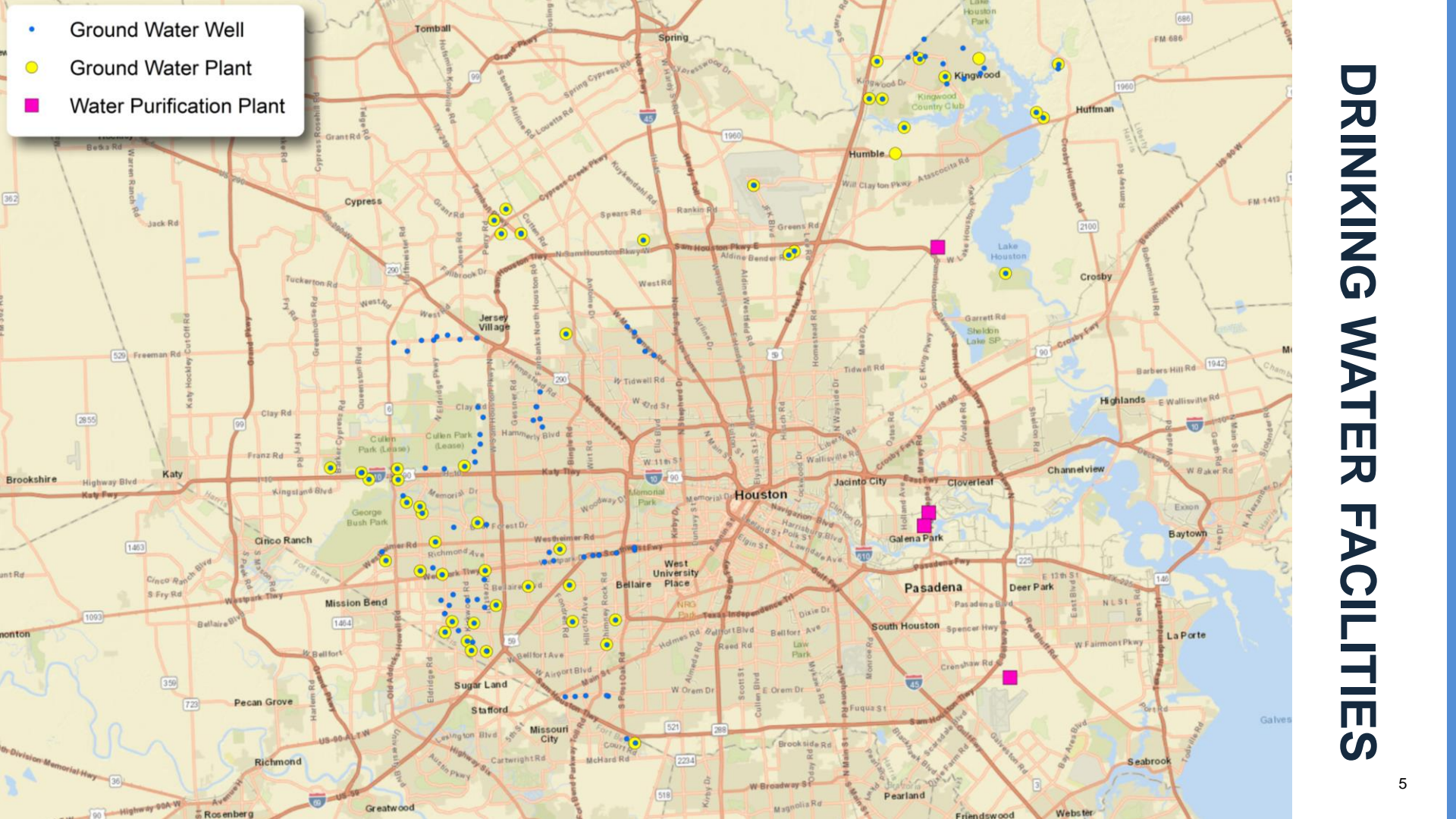
WASTEWATER FACILITIES

- Wastewater Treatment Plants
- Lift Stations



DRINKING WATER FACILITIES

- Ground Water Well
- Ground Water Plant
- Water Purification Plant



ASSESSMENT



CONTRACTS

43 lump sum contracts

multiple contractors = quick timeline

\$400K value, per contract

Total = **\$17.2M**

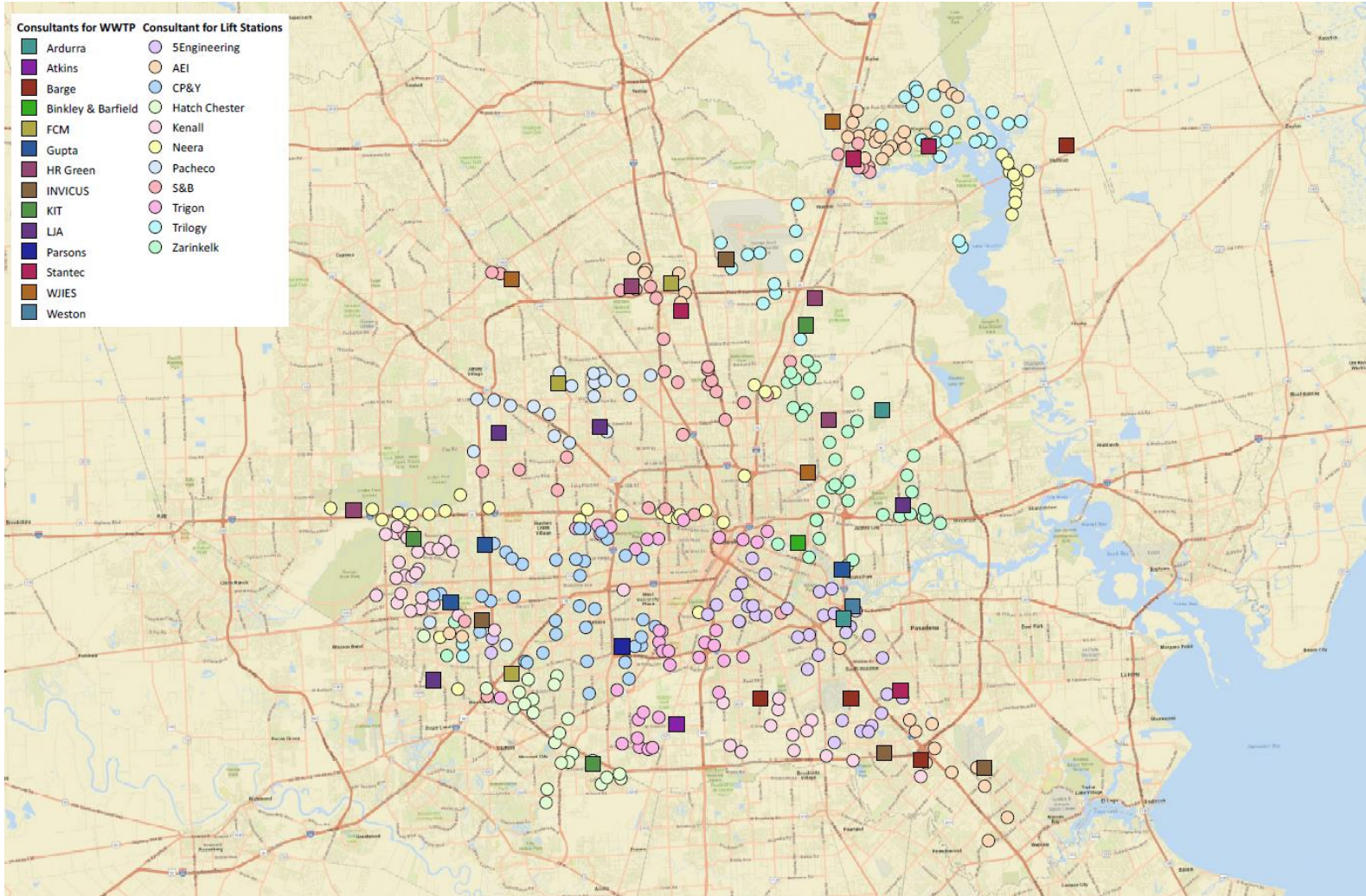


FUNDING

Deferred CIP

Assessments for FEMA funded projects are reimbursable

CONSULTANTS BY ASSET TYPE



DELIVERABLES



RECOVERY

technical analysis & report

- Harvey impact
- repair cost and scope

cost recovery documentation



RESILENCY

technical analysis & report

- codes & standards
- hardening / mitigation
- asset inventory assessment

Standardize Criteria and Internal QA/QC

STRATEGIC ASSET MANAGEMENT

DYNAMIC

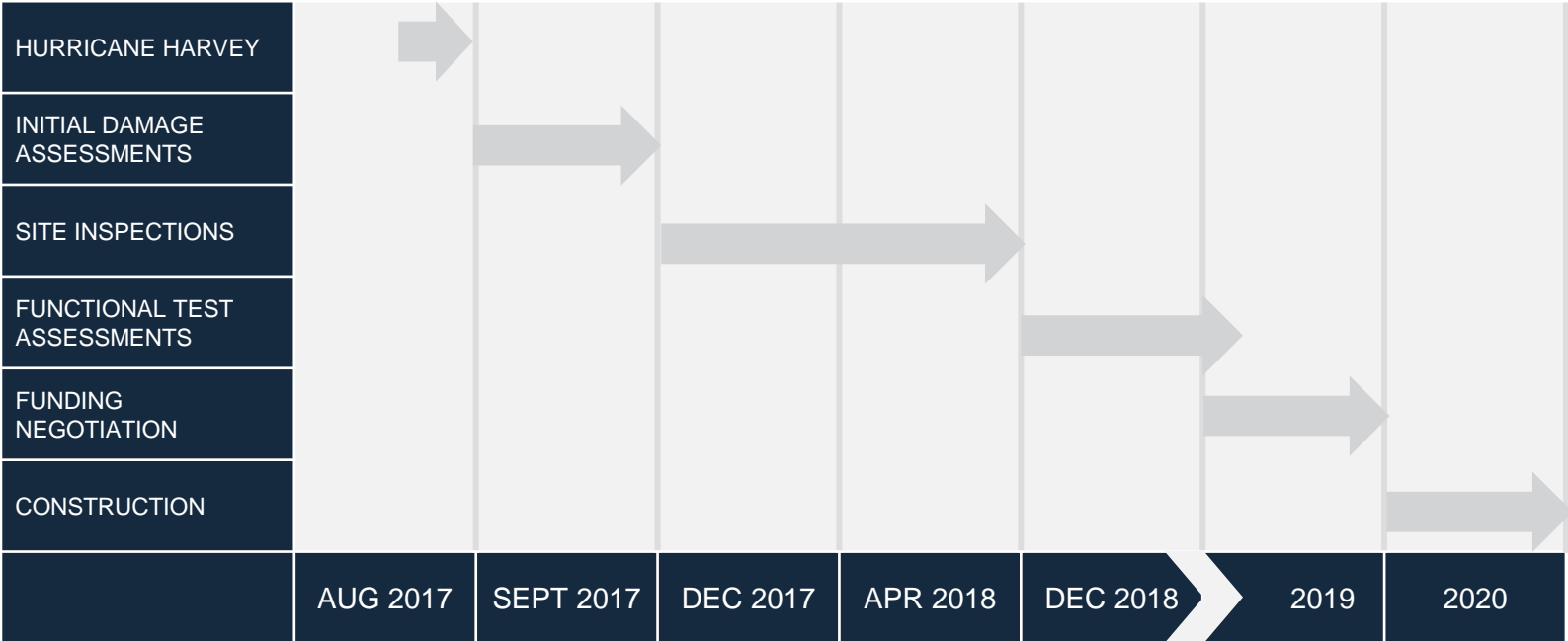
RISK-BASED SYSTEM

TO PROVIDE

DATA-DRIVEN PLANNING &

DECISION MAKING

FEMA PROCESS + TIMELINE



THANK YOU

questions?