

Waterford

Water Feasibility Study

10/15/2020

Feasibility Study Objective

The feasibility study will be used to *understand and document* potential water challenges in the community and to determine feasible solutions to address *identified* challenges.

Feasibility Study next steps / Current

- Feasibility Study delivered to Community May 2020
- Video to community finalized 8/26
 - Delivered to the Community September
- Questions submitted to the County in September
 - LCGS is coalescing and answering questions.
 - Target deliver is October

Feasibility Study next steps / Next Steps

- LCGS answered questions in October
- LCGS budget & funds approved for study
- LW approval to start study by 10/30
- LCGS & LW ready to start mid November
- Expect kickoff meeting in late Nov or early Dec

- Notice on forthcoming water survey to parcel owner(s)

Top questions on the Study

- How soon can we start?
- How long will it take and can we accelerate it?
- Does the county pay for the study completely?
- Boundary updated to entire existing sewer boundary?
- How will we see progress on the Study?

Communication and what's next

- Kickoff communication in November
- Monthly updates
- Zoom / Con calls needed monthly or per topic?
- Meet with water coordinators from other communities and discuss best practices moving forward.



Thank You

Study focus solution deliverables

- Do Nothing – Upgrade Existing On-Site Systems to Improve Yield on Individual Wells
- Shared Private Wells. This alternative does not meet the definition of a Public Water Works.
- Communal Water Treatment Facility Owned and Maintained by Loudoun Water (Using New Community Well(s))
- Connection to an Existing, Nearby Community System
- Wholesale Purchase of Water from or Connection to a Nearby Municipal System

PROJECT SCHEDULE

Based on the scope of work outlined above, we estimate the project schedule to be as follows:

<u>Description</u>	<u>Date from NTP</u>
Project Kickoff Meeting	2 Weeks
Initial Community Meeting	4 Weeks
Loudoun County Health Department Meeting	6 Weeks
Planning and Zoning Meeting	6 Weeks
Flow Analysis Technical Memorandum	8 Weeks
Historic Requirements Meeting	8 Weeks
Permitting Analysis Technical Memorandum	10 Weeks
Permitting Analysis Technical Memorandum Meeting	12 Weeks
Soil Analysis and Groundwater Hydrology Report	16 Weeks
Detailed Outline Submission	18 Weeks
Outline Review and Comment	20 Weeks
Final Outline Submission	22 Weeks
Submission of 70% Draft Feasibility Study Report	36 Weeks
Feasibility Study Report Meeting	40 Weeks
Submission of 95% Draft Feasibility Study Report	44 Weeks
95% Report Meeting	48 Weeks
Submission of Final Feasibility Study Report	50 Weeks
Project Closeout	52 Weeks

The schedule assumes a four (4) week period for review of the draft feasibility study report prior to submission of the final feasibility study report.