

Hello Waterford Village,

We have many updates on the Water Study and actions from Loudoun on next steps.

The County, DGS, & LW listened to the community. They took the body of evidence, past Studies, Community Meetings, Community Input, and Survey Results and developed a plan to address the water problem(s) in Waterford.

- [2022 9-6](#) Water Feasibility Study Presentation Questions & Answers released to community from LCDGS & LW.
- [2022 10-13](#) Community Meeting w LCDGS & LW on Waterford Water at the WF Old School.
- [2022 11-7](#) Survey link sent to Village parcel owners on Water Systems with post card mailed from LC DGS on 11/9 to all parcel owners in the service boundary.

Analysis of villagers’ responses to the November LC DGS survey:

- **80% of the Water Survey Respondents support a water Project in Waterford.**
- **70% of Respondents selected ‘Yes’ to a Community Water System.**

Table 2. Village of Waterford Community Survey Results

		Responses		70	97.2%
Do you Support a water Project in Waterford?	Total Parcels	No	12	17.1%	
		Yes	58	82%	
	Parcels with Structures	No	12	17.6%	
		Yes	54	79.4%	
Do You Support Option 2 (shared wells)		No	49	71%	
		Yes	20	29%	
	Parcels with Structures	No	45	66.2%	
		Yes	20	29.4%	
Do You Support Option 3 (Communal)	Total Parcels	No	21	30%	
		Yes	49	70%	
	Parcels with Structures	No	21	30.1%	
		Yes	49	69.1%	
If Communal System Offered, Would You Connect?	Total Parcels	No	17	23.6%	
		Yes	19	26.4%	
		Unsure	36	50%	
	Parcels with Structures	No	16	24.2%	
		Yes	17	25.8%	
		Unsure	35	53%	

Public Health & Safety concerns:

Of note, DGS have included a message of Public Health and Safety concern as of 2/14/2023 when DGS presented to the LC BOS Finance Committee on the Waterford Water Feasibility Study. That LC Finance Committee is made up of five Board of Supervisor members. (See the attached documents from that meeting.) DGS cites the Public Health concern being inadequate (or) zero water conditions and the high number of shallow hand-dug wells (~25) still in use today that present substantial health concerns.

Video of Finance Meeting 2/14/2022 :

(move cursor to 1:55:00, at the 1hour & 55min mark) (the discussion lasts about 20 minutes and should answer most questions)

https://loudoun.granicus.com/player/clip/7186?view_id=88&redirect=true&h=854ae861927a8721cf593d06f3dda3b2

LC DGS proposed solution:

The proposed solution that DGS presented to LC BOS is to begin pre-design work for a possible water system that would be interconnected with the Village of Paeonian Springs. Some of you may know that a water and wastewater solution for Paeonian Springs has been in the works for several years and they were ahead of where we are. They were funded on 4/2022 with \$3.5m for design and engineering for their water and wastewater system.

Potential Benefits of an interconnected solution for Waterford and Paeonian Springs:

- One potable drinking water facility.
 - To be located outside of the WFI properties and outside of the NHL, no impact to NHL.
- Wells for the project are likely to be outside NHL.
- No special tax district, capital expenses funded through Federal funds, BIL, USDA, EPA, VDH/ODW, LC CIP, and/or Grants applied for by the County.
- The County issued a requirement that no other community or structure would connect to this interconnected system via Water System Commission Permit. That means no increase in development potential as a result of this water solution. Memo in 2/14/23 packet(attached).
- No one is required to connect to this system.
 - You may connect and keep your well for irrigation as long as the two systems are bifurcated.
- Loudoun Water would own and maintain the Water System.
 - Maintenance of Water System, pumps, filters, et. al. responsibility of LW.
- The rates for water are what were provided by LW, ~\$27 per month for a family.
- Parcel owners with structures would get a water meter installed and be responsible for one-time fees to connect from their water meter to their home.
- Loudoun County estimates up to 20% or more in Capital Expense savings for a two-village solution. LW notes significant savings of running one water system.

Summary of request from DGS to BOS LC Finance Committee on 2/14/23:

- Staff (DGS) requested the Finance Committee recommendation for Board direction to continue investigating potential Interconnected Communal Systems to serve the Villages of Waterford and Paeonian Springs
- Staff (DGS) requested use of \$1.5 Million from the Water & Wastewater Fund for Pre-Design Work and Cost Analysis of potential Interconnected Communal Systems
- If Pre-Design Work identifies issues preventing Interconnected Communal Systems, staff will return with individual village solutions
- Staff will work closely with Department of Finance and Budget Grant Analysts to identify funds to support final design and construction

2023 2-14 The motions in the LC FC meeting passed 5-0. This was sent to the BOS 2/21/23 Business Meeting for the Board of Supervisors on the consent agenda and was subsequently passed 9-0 by the LC Board of Supervisors.

Observations from the Video of the 2/14/23 LC Finance Meeting:

- Loudoun County BOS has formally acknowledged the water problems in Waterford and the Chair stated “it has never been ‘if’ we solve Waterford water problems, it has been ‘how’ we fund this.”
 - Acknowledgment of the water problems in Waterford.
- DGS Director Ernie Brown states the Public Health concerns relative to Waterford’s Water scarcity and significant amount of hand-dug wells (~25) still in use.
- The proactive memo stating no development or structures would be able to connect to the proposed interconnected water system.
- 80% of Community Members selected ‘Yes’ to a Water Project and the support for that was noted as an outstandingly high number.

Two images referenced in the material highlighting the water problems. (i. Low Yield Wells, ii Hand-Dug Wells)

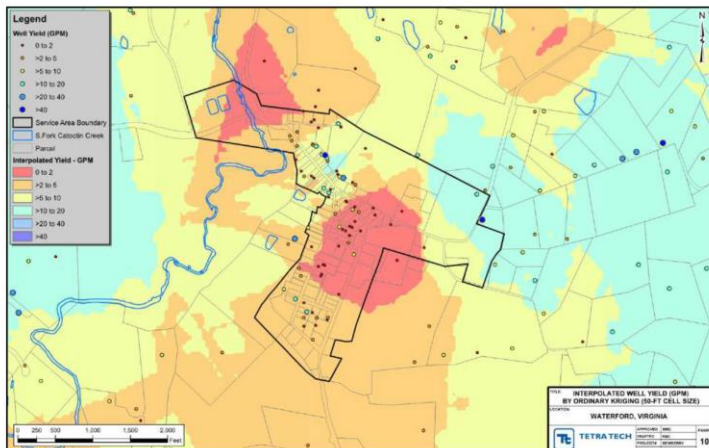


Figure 4.3 – Waterford Well Yields



2023 02-14: Second Item related to Waterford in LC FC Meeting: Summary on what we know today:

- Waterford Wastewater system update to meet EPA standards.
 - Ammonia levels in the system are over the limits.
 - Lagoons need to be retired with an update.
 - Design and Commission Permit through DEQ required by 2025. This time frame existed independent of the water application or water project.
 - System capacity study to vet the potential interconnection of Paeonian Springs with Waterford’s updated system.
 - When the current Water Treatment Lagoons are retired, there will be the potential to have historic contextualized structure(historic review process) to replace current building.
 - No footprint increases from current system.
 - Efficiencies with new technology.

- Stated financial benefits to LC of 20% or more Capital Expenses and significant savings in operating expenses from building a second facility near Paeonian Springs.

Next Steps.

The WCA Water Chair, Waterford Water Coordinators, and the WFI Exec Director will meet with LC DGS staff to gain information and subsequently share what is learned with the community via email and the WCA Water site. We will look to update the community on these topics in the coming weeks and months.

Please provide any questions to this team.

Thank You,

Sharyn, Mike, Mark & Stephanie

Waterford Water Project Loudoun County Dept of General Services: (Please Bookmark this site)

<https://www.loudoun.gov/5799/Waterford-Water-Project>

Waterford Water Information WCA site:

<https://www.waterfordcitizens.org/activities/water-needs/water-study-timeline/>

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