

Laurel Ridge System Water Needs Summary

WATER SUPPLIED

				MDD/ADD Peaking	
	ADD (gal)	MDD (gal)	MMADD (gal)	Factor	
2015	14,140	27,280	21,948	1.93	
2016	15,533	30,275	24,232	1.95	
2017	14,813	30,120	19,917	2.03	
2018	15,787	29,805	19,601	1.89	
2019	19,360	33,847	30,687	1.75	* First year of MS-1 reflected in data
2020	24,611	38,795	34,130	1.58	* First year Phases 1D-1G reflected in data
2021	20,596	42,360	28,167	2.06	

ADDITIONAL DATA

Supply Summary

Source (Combined)	Capacity (gpm)	Yield (gal/18-hr day)	
Existing Active Wells	36	38,880	
Identified Edgewater Wells	20.4	22,032	
		60,912	gallons

*Future Well 2A, 5, 6, 8, 9

Approved Additional Demand (Not Reflected in 2021 Demand Data)

Phase	ADD	MDD
MS-2	2,180	4,360
5 Apt Bldgs	8,250	16,500
	10,430	20,860

Backwash Summary

Additional Backwash Demand upon installation of
4th filter (max day) = 5,500 gal/day

Minimum Required Margin of Safety = 15%

RECEIVED

2.1.2023

East Hampton
Land Use Office

From: David Peeling
Sent: Thursday, January 5, 2023 8:30 AM
To: Adam Wing
Cc: James Casagrande
Subject: FW: Edgewater Hills water supply discussion
Attachments: Water Needs Summary.xlsx

From: David Peeling
Sent: Monday, October 24, 2022 2:45 PM
To: Mcphee, Eric <Eric.Mcphee@ct.gov>; Mathieu, Lori <Lori.Mathieu@ct.gov>; Russell Melmed <russell.melmed@chathamhealth.org>; Jim Karrenberg <jim.karrenberg@chathamhealth.org>; dcox@easthamptonct.gov; Lisa Motto <Lisa.Motto@dreamdevelopersct.com>; Stephen.Motto@dreamdevelopersct.com; Klein, Frederic Lee <FKlein@PULLCOM.COM>; jdecarli@easthamptonct.gov; Craig Patla <Craig.Patla@ctwater.com>
Cc: Smith, Laverne <Laverne.Smith@ct.gov>; Chyra, Thomas <Thomas.Chyra@ct.gov>
Subject: RE: Edgewater Hills water supply discussion

All,

As discussed on Friday, attached are Laurel Ridge production figures for the period 2015-2021. The figures represent total water supplied from the wells plus tanker deliveries: the total water need for the system. I manually assembled these onto a single sheet for easier viewing.

I also consolidated a few additional relevant pieces of data for reference since they apply to margin of safety. This includes the current and projected well yield, approved phases of additional demand, and the additional backwash requirement for the expanded treatment system currently being installed at Laurel Ridge to treat the identified new wells.

The MS-2 and the apartment building phases of the development were issued an Ability to Serve letter in 2020 based on the 2019 data available at that time.

To relate the data to margin of safety, a calculation using the 2020-21 average figures comes out as shown below. Minimum Margin of Safety is 1.15.
MDD Margin of Safety = 0.91
MMADD (Max Month Avg Day Demand) Margin of Safety = 1.16

Hopefully this provides clarification of the supply situation for this system.

David Peeling, P.E.
Director of Engineering
Connecticut Water Company

93 West Main Street
Clinton, CT 06413
860-664-6007

-----Original Appointment-----

From: McPhee, Eric <Eric.Mcphee@ct.gov>
Sent: Thursday, October 13, 2022 2:53 PM
To: McPhee, Eric; Mathieu, Lori; Russell Melmed; Jim Karrenberg;
dcox@easthamptonct.gov; Lisa
Motto; Stephen.Motto@dreamdevelopersct.com; Klein, Frederic Lee;
jdecarli@easthamptonct.gov;
Craig Patla; David Peeling
Cc: Smith, Laverne; Chyra, Thomas
Subject: Edgewater Hills water supply discussion
When: Friday, October 21, 2022 1:00 PM-2:30 PM (UTC-05:00) Eastern Time (US &
Canada).
Where: Microsoft Teams Meeting

CAUTION: This email originated outside the SJWG organization.
Lori Mathieu now has a conflict at 9:30 and we are hoping to move this discussion to
1:00. Hopefully
everyone is available at that time.

Hi folks, DPH is asking for another discussion regarding the water supply at
Edgewater Hills in East
Hampton. I didn't receive the roster of attendees from the last

meeting so please forward to any others that were at the previous meeting that wish
to attend that I
may have missed.

Eric McPhee
Supervisor - Source Assessment/Protection Unit and Water Utility Coordinating
Committees
Connecticut Department of Public Health - Drinking Water Section
(860)209-8965
<https://portal.ct.gov/DPH/Drinking-Water/DWS/Drinking-Water-Section>
<https://portal.ct.gov/DPH/Drinking-Water/WUCC/Water-Utility-Coordinating-Committee>
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Microsoft Teams meeting

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