

BUDGETARY LEVEL OPINION OF CAPITAL AND O&M COSTS <sup>(1)</sup>	
RECOMMENDED PLAN - SHARED SEWERS WITH DISCHARGE TO EAST LYME- ALL IMPROVEMENTS W/ SOUNDVIEW	
OLD LYME SHORES BEACH ASSOCIATION	
September 8, 2020	
CAPITAL BUY-IN ALTERNATIVE- DOES NOT INCLUDE ENRCD INDEXING	
	Costs
<b>Procure Agreements for Recommended Plan, EIE, IMAs &amp; MOUs</b>	
1. Technical Services (Liason work, B/E response)	\$ 17,000
2. Legal and Administrative Services for IMAs & CSA	\$ -
3. Total - Procure Agreements for Recommended Plan (Rounded)	\$ 17,000
<b>DEEP Eligible Project Costs<sup>(2)</sup></b>	
4. Construction Cost- Shared Force Main with Central Pump Station <sup>(3)</sup>	\$ 1,789,000
5. Internal OL SBA Sewers and Roadways	\$ 3,508,400
7. Eligible Storm Drainage at 20% const. cost <sup>(4)</sup>	\$ 170,000
8. Eligible Technical Services-Design and CV/ RFR <sup>(5)</sup>	\$ 1,579,000
9. Legal & Administrative <sup>(6)</sup>	\$ -
10. Total - Project Construction Costs (Rounded) <sup>(2)</sup>	\$ 7,046,000
<b>DEEP CWF Eligible Project Cost Summary</b>	
11. Procure Approvals for Recommended Plan (Including Liason and B/E)	\$ 17,000
12. Project Construction Costs	\$ 7,046,000
13. DEEP CWF 25% Design & Construction (Small Community) Grant Amount	\$ (1,766,000)
14. Subtotal - DEEP CWF Loan Eligible Costs (Rounded) <sup>(4)</sup>	\$ 5,297,000
14a. Local and Administrative Fees for CWF Agreements (2), Permitting fees & DWSRF Cost (1) <sup>(6)</sup>	\$ 159,000
14. Total - DEEP CWF Loan Eligible Costs (Rounded) <sup>(4)</sup>	\$ 5,456,000
<b>DEEP Ineligible Project Grant Costs<sup>(7)</sup></b>	
15. Short Term Financing at 3.0% <sup>(8)</sup>	\$ -
16. Storm Drainage Improvements <sup>(9)</sup> See 7 above	\$ 680,000
17. Extensive Road Reconstruction <sup>(10)</sup> See 6 Above	\$ -
18. Fire Hydrants (Quantity: 16) <sup>(11)</sup>	\$ -
19. Drinking Water System Improvements <sup>(11)</sup>	\$ -
20. Buy-In Fee to East Lyme/ Waterford/ New London <sup>(14)</sup>	\$ 628,208
20a. Technical Services-Design, Permitting & Construction Administration <sup>(4)</sup>	\$ 186,000
21. TOTAL - DEEP Ineligible Costs (Rounded)	\$ 1,494,210
<b>Estimated Local Share</b>	
22. DEEP CWF Loan Eligible Costs <sup>(4)</sup>	\$ 5,456,000
23. DEEP Ineligible Costs <sup>(7)</sup>	\$ 1,494,210
24. Estimated Local Cost Share (Rounded)	\$ 6,950,000
	Contingency @ 5%
	\$ 428,000
25. Short Term Financing at 2.0% for eligible project cost	\$ 219,000
26. Estimated Local Cost Share	\$ 7,597,000
<b>Net Project Cost Per EDU</b>	
27. Number of EDU's (Properties) Served	192
28. Net Cost Per EDU (Rounded) for Betterment Assessment	\$ 39,600
29. Abandonment of Existing Septic and Connection to Service Laterals <sup>(15)</sup>	\$ -
Total Cost Per EDU	\$ 39,600
<b>Estimated Annual Capital Cost Per EDU (Rounded)<sup>(12)(13)</sup></b>	
	\$2,601
<b>Estimated Annual O&amp;M Per EDU<sup>(16)</sup></b>	
	\$309

Notes:  
(1) All construction costs developed in 2019 dollars.  
(2) Opinion of cost will continue to be refined in the bidding phase. See Preliminary Design Report Document for circa 2019 Detailed Cost Breakdown.  
(3) Project Cost of Shared Infrastructure (Pump Station and Force Main to East Lyme) based upon pro-rata payment breakdown in Cost Sharing Agreement signed 04/25/2016. Assumed Shared Infrastructure is reduced by contributions from the Town of Old Lyme as a participant in the shared sewerage program at 20%. DEEP eligible costs include roadway improvements composed of temporary pavement repair, permanent pavement repair, and pavement mill & overlay to dimensions prescribed by DOT approval on Route 156.  
(4) Includes eligible assumed 100% of pavement costs, split 50/50 w/ DWSRF. Assumes cost sharing off for certain to East Lyme and central pump station with CDFR and M&A and Town of Old Lyme pursuant to Cost Sharing Agreement per part age. Storm drainage assumed 20% eligible for grant/loan CWF funding per pre-approval letter from DEEP dated 01/15/2019.  
(5) Technical Services During Design and Construction based on Agreements and Amendments 1-5. Services include engineering design, permitting topographic survey, test borings, bidding services, construction administration and resident representation services for OL SBA internal infrastructure and the Shared Infrastructure Project. Assumes 20% eligibility for storm drainage improvements.  
(6) Legal and Administrative Costs estimated based on 2% of construction cost. Loan only services include Board Counsel costs, Finance Director Costs, set up assessment policy, set up water fee policy, or set up program to administer water policies, assessment and land acquisition procurement costs and misc. legal and admin. costs during design and construction of the project.  
(7) Ineligible costs include project cost not directly related to sewer design or construction, including daily WPCA Operating Administrative Costs and construction cost not required for the sewer project. Legal costs are loan ineligible only.  
(8) Assume 2.0% short term lending rate for RFOs and 2 year construction duration. 2% short term lending rate for 20 year PLD and 3.0% lending rate for 20 year payback for ineligible costs.  
(9) Assumes significant storm drain improvements are ineligible for CWF grant/loan funding.  
(10) Based on pavement reconstruction cost provided in Preliminary Design Report and 100% eligibility allowance in sewer project road reconstruction confirmed by DEEP.  
(11) Assumes 10,000 feet of water main pipe installation. Assume RFO designs water system and CT Water Co. provides mains/hydrants with their contract or through WPCA program. Costs for service connection to curb stop meter or pit for existing customers, but do not include backflow preventer or wells, abandonment or relocation 32 unserved parcels to be provided public water from CWQ through DWSRF & assessed to end users who are facted separately.  
(12) Annual Capital cost/EDU is over a 20 year period at blended annual interest rate of 2.75%. Does not include connection charge or annual O&M costs.  
(13) Capital cost for ineligible assumes 3.0% loan for 20 year payback through private lending institution.  
(14) EL and NB buy-in negotiated upon information from F-Novest of May 2017, and pump station assessment in perpetuity to Boulanger of \$50,000 apportioned by EDU count in Cost Sharing Agreement. Water of Buy-In fee not included. Basement costs (\$30,000 plus legal) included in shared infrastructure project cost.  
(15) Not included in this table. Average cost of legal services for connection from the building to sewer and water at the street and abandonment of septic system. Average cost to abandon septic and connect to sewer stubbed in to be \$4,000 but will vary based upon surficial and subsurface features. \$250 per connection to water main estimated and DWSRF will supplement cost to Association. Assumes inspection and permitting charges for connections will be waived by OL SBA WPCA. Does not include well relocation or abandonment costs covered under DWSRF for CWF which will be borne by end users.  
(16) Estimated Annual O&M Cost Per EDU will be modified annually and is based on 2018 O&M to East Lyme for conveyance plus share of negotiated contract operator costs to EL.