



C2AE PROJECT UPDATE

Client: Town of Sterling
Date: January 20, 2023
Project: Water District #2

Tasks accomplished

1. Hydraulic Model Analysis

Upon analyzing the systems' hydraulic model, and based on hydrant flow data provided by OCWA, the proposed tank on Schoolcraft Road can be filled via connection to WD #1 without a pump station.

2. Updated Alternative Analysis

Two new alternatives have been analyzed:

1. Buying bulk water from OCWA w/ CCWSA providing O&M
2. Ductile Iron Pipe (DIP) system with OCWA providing O&M

Refer to the following tables:



1. Buying bulk from OCWA and CCSWA providing O&M

January 2023 Opinion of Total Project Cost	\$6,431,000
Grant Total (USDA-RD, REDI, WIIA)	\$4,189,000
Original USDA RD Loan @ 2-1/8% for 38 years	\$1,570,000
Remaining Estimated Loan @ 2-1/4% for 38 years	\$672,000
Estimated EDUs	120
Estimated Annual Debt Cost	\$87,130/year
Estimated Annual Debt Cost/EDU	\$726/EDU/year
Estimated Annual O&M Cost/EDU	\$562/EDU/year
Estimated 1 st Year Cost/EDU/year	<u>\$1,295/EDU/year</u>

2. Ductile Iron Pipe (DIP) system with OCWA providing O&M

January 2023 Opinion of Total Project Cost	\$6,941,000
Grant Total (USDA-RD, REDI, WIIA)	\$4,189,000
Original USDA RD Loan @ 2-1/8% for 38 years	\$1,570,000
Remaining Estimated Loan @ 2-1/4% for 38 years	\$1,182,000
Estimated EDUs	120
Estimated Annual Debt Cost	\$107,240/year
Estimated Annual Debt Cost/EDU	\$894/EDU/year
Estimated Annual O&M Cost/EDU	\$483/EDU/year
Estimated 1 st Year Cost/EDU/year	<u>\$1,377/EDU/year</u>

NOTE: Project costs are based on Engineer’s Estimate – actual costs unknown until project is bid. First year user costs assume cost overrun LOAN ONLY scenario - additional grant(s) may be able to be obtained after bidding which would lower the debt cost per EDU.

Tasks still to be completed

1. Selection of an Alternative
2. Revise PER & Submit for Agency Approval (USDA RD & NYSEFC)



3. Respond to Agency Comments
4. Resubmit Permit Applications
5. Advertise & Bid for Construction