



COUNCIL GROVE LAKE  
 WATER & SEWER PROJECT  
 April 14, 2022

## Preliminary Debt Service Analysis

Description	<u>WATER PROJECT</u>		<u>SEWER PROJECT</u>		
	(35% RD Grant)	(45% RD Grant)	(35% RD Grant)	(45% RD Grant)	
A) Total Project Cost	\$7,984,572.00	\$7,984,572.00	\$9,544,261.00	\$9,544,261.00	
B) CDBG Grant Amount	\$0.00	\$0.00	\$0.00	\$0.00	(assumed)
C) USDA RD Grant Amount	\$2,794,600.00	\$3,593,057.00	\$3,340,491.00	\$4,294,917.00	(assumed)
D) KDHE SRF Loan Principal Forgiveness	\$0.00	\$0.00	\$1,000,000.00	\$1,000,000.00	(assumed)
E) Remaining Project Cost To Be Financed	\$5,189,972.00	\$4,391,515.00	\$5,203,770.00	\$4,249,344.00	
F) Interest Rate	1.50%	1.50%	1.50%	1.50%	
G) Amorization Rate	40	40	40	40	
H) Payments Per Year	1	1	1	1	
I) Number of Payments	40	40	40	40	
J) Payment Amount Per Year	\$173,485.72	\$146,795.62	\$173,946.95	\$142,043.25	
K) Number of Benefit Units	350	350	350	350	
L) Debt Service Per Year Per Benefit Unit	\$495.67	\$419.42	\$496.99	\$405.84	/year
M) Debt Service Per Benefit Unit Per Month	\$41.31	\$34.95	\$41.42	\$33.82	/Month
N) O&M Cost Per Benefit Unit (Utility Base Rate)	\$17.15	\$17.15	\$8.46	\$8.46	/Month
O) Consumption/Usage (Assume 5000 gal/mo.)	\$27.05	\$27.05	\$9.60	\$9.60	/Month
P) Short Lived Assets (Pumps, Tower Coatings, Etc.)	\$2.50	\$2.50	\$1.31	\$1.31	/Month
Q) Estimated End User Rates (Assume 5000 gal/mo.)	\$88.01	\$81.65	\$60.79	\$53.19	/Month

\*Note: Overhead costs proportionally allocated to "Water" and "Sewer" projects in Debt Service Analysis worksheet.

 Calculated Value  
 Input value