

Town of Lincoln Water Department Capital Improvement Plan FY19-FY39

20 Year Capital Planning	FY19	FY20	FY21	FY22	FY23	FY24	FY25	FY26	FY27	FY28	FY29	FY30	FY31	FY32	FY33	FY34	FY35	FY36	FY37	FY38	FY39
Treatment Plant																					
catwalk for membrane maint.	50,000		100,000																		
Telemetry/SCADA		32,000				40,000			40,000			40,000			40,000				40,000		40,000
HVAC heating and cooling																					
roof maintenance	50,000																				
chemical handling and ventilation																					
replace leaking 1500 gallon hot water tank																					
Chemical feed system upgrades																					
Engineering Assistance design : chloramination WTP ACO compliance		30,000																			
membranes			325,000							325,000										325,000	
Sanitary survey compliance		355,000			150,000			150,000			150,000			150,000						150,000	150,000
in line turbidimeters							30,000														
new lab equipment Ph meter, fluoride, DR3900 spectrophotometer																30,000					50,000
TOC analyzer																					35,000
misc interior repairs						10,000															
misc exterior repairs																					
100 foot sample tap replace						25,000															
Full Scale Demonstration Study						500,000															
high lift pump replacement																					100,000
security upgrades cameras fencing new security gates																					30,000
Tower Rd Well																					
Roof maintenance																					
Investigate GW under the influence of SW per 2018 DEP Sanitary Survey report		20,000																			
Chemical feed system upgrades		400,000																			
new well pumps								100,000													
Generator		60,000																			
add chlorination and upgrade chemica feed																					
well redevelopment						25,000															
misc interior repairs																					
misc exterior repairs																					
HVAC heating and cooling																					
install a new well specific capacity is in half																					
security upgrades cameras fencing new security gates																					65,000
Pump Station																					
HVAC heating and cooling						80,000															
OSHA complinace bathroom																					50,000
roof maintenance																					
remodel the second floor for additional usable space																					200,000
misc interior repairs																					20,000
misc exterior repairs																					20,000
building maintenance interior electrical work repair the entrance to all exterior doors, exterior lighting, garage door		20,000																			25,000
parking lot repairs																					60,000
security upgrades cameras fencing new security gates																					30,000
Vehicles (10 year replacement program)																					
#21 2017 Ford Explorer																					
#25 Ford pick up truck F150 ex cab																					
#24 economy vehicle																					30,000
#22 2010 Ford Ranger with F350 with lift gate																					65,000
#23 2006 F350 with lift gate		62,000																			
Distribution System																					
Meter Replacement every 10 years check for new tech																					
distribution system repairs		128,000				128,000															
12 inch water main Bedford Rd Tank to WTP																					2,000,000
develop directional flushing plan																					68,000
Water Main replacement																					52,000
hydrant replacement program to purchase 15 new hydrants does not include install																					30,000
replace/repair intake structure																					15,000
Dead end pH water mains																					21,800
Generator water storage tank																					5,000
Investigate interconnections for emergency supply																					22,000
replace hydrant #18 Winter St manufact. Is unknown																					30,000
relocate the hydrant in the island at the five corner intersection																					30,000
Paving Bedford Road damage from main break																					28,000
replace water main on Rte 2A																					
Investigate Additional source of supply																					300,000
Water Storage Tank repairs exterior and interior																					
Equipment																					
compressor																					
trailer																					25,000
equipment garage																					
mini excavator																					40,000
trench box and shoring																					
F550 dump truck with plow																					80,000
electronic sign board																					20,000
Administrative and Compliance																					
communications telephone radios																					
GIS and mapping		13,000																			
rate study																					
strategic business planning																					50,000
capital efficiency planning																					50,000
office furniture																					
upgrade meter reading equipment																					
EPA's America Water Infrastructure Act of 2018: Risk Assessment and Emergency Response Plan																					80,000
update the water main replacement plan																					
develop asset management plan for above ground structures																					
transfer																					100,000
TOTALS																					
	100,000	1,165,000	1,730,000	1,156,800	2,855,000	1,128,000	1,405,000	1,318,000	1,290,000	1,253,000	705,000	1,033,000	933,000	1,113,000	1,095,000	1,458,000	1,330,000	1,003,000	1,170,000	1,128,000	870,000

Town of Lincoln Water Department FY21 Capital Request 10/3/19 draft three

Water Board Approved:

CAPITAL PROJECT	Retained Earnings	Bonding	Notes
Treatment Plant			
Membrane filter replacement		\$325,000	Past life expectenancy
Full Scale Demonstration Study		\$500,000	to comply with DPB rule includes jar testing pilot testing design and constructions
Filter platform/catwalk		\$100,000	bids coming in from 120,000 to 140,000 need to addd to existing atricle
			Next step is what we would do next spring to show how coagulant usage impacts TOC removal through the WTP
Pump station			
OSHA compliance bathroom pump house		\$50,000	emergency back up supply
Tower Road Well			
install a new well specific capacity is in half		\$575,000	well need to be replaced pumping at half capacity routine cleaning no longer works
Vehicles (10 year replacement program)			
Administrative and Compliance			
EPA's America Water Infrastructure Act of 2018: Risk Assessment and Emergency Response Plan	\$80,000		new regulation comliance due date 2021. need to budget to allow time to perform risk assessment for department operations
transfer from retained earnings to cover expenses for KOH spill at the Tower Rd well	\$100,000		
TOTAL CAPITAL REQUEST	\$180,000	\$1,550,000	\$1,730,000 Total capital request combination of bonding and reservefunds