



GARDINER CITY COUNCIL
AGENDA ITEM INFORMATION SHEET



Meeting Date	01/22/2020	Department	Wastewater
Agenda Item	4.3 Presentation from Hoyle Tanner/Major Equipment Upgrade at WWTP/Process and Electrical Equipment Upgrade		
Est. Cost	\$6,100,700 (FY22 First Payment Due with a grant from Rural Development TBD)		
Background Information	<p>Dan Marks from Hoyle Tanner will be present to brief the City Council on the planned upgrade at the WWTP. They have issued a preliminary opinion of cost (copy attached) and time schedule for the project. The estimate does not include financing costs. The Wastewater Advisory Committee is meeting Tuesday evening January 21, 2020 to review and vote on acceptance of the project.</p>		
	<p>The City Council is being asked to vote on the acceptance of the project as outlined to date.</p>		
Requested Action	'I move to approve the design, schedule, and opinion of costs as outlined by Hoyle Tanner.'		
City Manager and/or Finance Review	The City Manager recommends the above action.		
Council Vote/ Action Taken			
Departmental Follow-Up			

City Clerk Use Only	1 st Reading _____	Advertised _____	EFFECTIVE DATE _____
	2 nd Reading _____	Advertised _____ w/in 15 Days	
	Final to Dept _____	Updated Book _____	Online _____

HOYLE, TANNER & ASSOCIATES
106 Lafayette St., Suite 2D
Yarmouth, ME 04096
(207) 844-8102

Gardiner Wastewater Department
Treatment Facility Upgrade
Conceptual Design
Evaluation Phase Opinion
of Probable Construction Cost

Project No.: 125705.00

By: RERG

CK By: DBM

Date 6/21/2019

ITEM NO.	APPROX. QUANT.	UNIT	DESCRIPTION OF ITEMS	UNIT COST	AMOUNT
				DOLLAR	DOLLAR
Headworks					
	2	EA	Sluice Gates	\$ 20,000	\$ 40,000
	1	LS	Mechanical Screen with Washer Compactor	\$ 270,500	\$ 270,500
	1	LS	Screening Equipment Installation	\$ 82,000	\$ 82,000
	1	LS	Concrete Work	\$ 10,000	\$ 10,000
	1	LS	Refrigerated Sampler	\$ 10,000	\$ 10,000
			Headworks Upgrades Construction Sub-Total		\$ 412,500
Rotating Biological Contactors					
	1	LS	Piping & RBC Demolition	\$ 50,000	\$ 50,000
	1	LS	Concrete Work	\$ 60,000	\$ 60,000
	1	LS	Piping Modifications	\$ 50,000	\$ 50,000
	1	LS	RBCs	\$ 1,800,000	\$ 1,800,000
	1	LS	Electrical	\$ 50,000	\$ 50,000
	1	LS	RBC Installation	\$ 540,000	\$ 540,000
			RBC Upgrades Construction Sub-Total		\$ 2,550,000
Treatment Facility Generator & MCC					
	1	LS	Existing Generator & ATS Demolition	\$ 30,000	\$ 30,000
	1	LS	500 kW Generator	\$ 125,000	\$ 125,000
	1	LS	800A ATS	\$ 50,000	\$ 50,000
	1	LS	Wire/Conduit	\$ 25,000	\$ 25,000
	1	LS	Fuel Piping Modifications	\$ 5,000	\$ 5,000
	1	LS	Intake/Vent Modifications	\$ 10,000	\$ 10,000
	1	LS	Roofing Improvements	\$ 50,000	\$ 50,000
			Treatment Facility Generator & MCC Construction Sub-Total		\$ 295,000
Pump Station Generator & MCC					
	1	LS	Existing Generator & ATS Demolition	\$ 15,000	\$ 15,000
	1	LS	250 kW Generator	\$ 75,000	\$ 75,000
	1	LS	400A ATS	\$ 35,000	\$ 35,000
	1	LS	400A MDP	\$ 15,000	\$ 15,000
	1	LS	Wire/Conduit	\$ 12,500	\$ 12,500
	1	LS	Fuel Piping Modifications	\$ 5,000	\$ 5,000
	1	LS	Intake/Vent Modifications	\$ 10,000	\$ 10,000
			Pump Station MCC Construction Sub-Total		\$ 167,500
PLC Upgrades					
	1	LS	Software License	\$ 5,000	\$ 5,000
	19	EA	PLC Upgrades w/ Programming	\$ 12,000	\$ 228,000
			PLC Upgrades Construction Sub-Total		\$ 233,000
Miscellaneous					
	1	LS	Push Camera	\$ 30,000	\$ 30,000
	1	LS	Tractor Camera	\$ 50,000	\$ 50,000
	1	LS	Sodium Hypochlorite Tank - Single Wall	\$ 18,000	\$ 18,000
			Miscellaneous Sub-Total		\$ 98,000
			Total Construction Sub-Total		\$ 3,588,500
			Contractor Overhead & Profit	18%	\$ 646,000
			Bonds & Insurance	2.0%	\$ 71,800
			Contingencies	25%	\$ 897,200
			Engineering (Design, Construction Admin, & RPR)	25%	\$ 897,200
			Total Project Cost		\$ 6,100,700

Assumptions:

1. This estimate does not include land acquisition, legal fees, or financing costs