

Lookup Driver 1 - Condition

Explanation Not provided.

GLWA FY 2020-2024 CIP

111007 CIP#

Lake Huron Water Treatment Plant, Raw Sludge Clarifier and Raw Sludge Pumping System

☐ Innovation☐ Water MP Right Si☐ Reliability/Redund☐ NEWTP Repurposi	dancy Project New To CIP	Raw sludge clarifier at Lake Huron WTP	
Project Engineer/Ma	nager Todd King	Budget Wo	ater
Ma	nager Grant Gartrell	Class Lvl 1 Wo	ater
Managing	Dept Water Eng	Class Lvl 2 Tre	eatment Plants and Facilities
Date Original Busines	ss Case Prepared 8/7/2015	Class LvI 3 La	ke Huron
Year Proj	ect Added to CIP 2016	Location Sa	int Clair County
		Fund and Cost Center Wo	ater - 5519-882111
Project Significance	This project will provide a study and design of pumps and piping to meet maximum design clarifiers and sludge pumping and conveyar raw sludge to the existing lagoons.	flows. The construction services	will re-construct the raw sludge
Scope of Work	The sludge clarifier is integral to the backwas bowed and in the process of failing. If the cl Huron WTP filters will be lost and result in the l be arranged.	arifier and backwash tank fail, th	ne ability to backwash the Lake
Challenges	Improvements will require coordination with	plant operations (filter backwash	ning).
Project History	The clarifier/backwash structure is original to designed and/or constructed to withstand the		r to have been inadequately

Related Project This project is being designed by Brown & Caldwell under Contract No. CS-171.

Other Important Info This project should be completed prior to cessation of treatment at the Northeast WTP.



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PM	Weighted
	Score

62.2

Criteria Score Condition 5 Efficiency and Innovation 1	Cananaant
	Comment
Efficiency and Innovation 1	
,	
Financial 1	
O&M 4	
Performance (Service Level/Reliability) 5	
Public Benefit 1	
Public Health & Safety 3	
Regulatory (Environmental/Legal) 3	

RC Weighted Score

53.2

Criteria	Score	Comment
Condition	5	
Efficiency and Innovation	1	
Financial	4	
O&M	2	
Performance (Service Level/Reliability)	5	
Public Benefit	1	
Public Health & Safety	2	
Regulatory (Environmental/Legal)	1	

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Phase GLWA Emplo itle GLWA Salaries	•	ojec	t managen	nent		C	Contract NA	Ą	Sta	tus Active		
Phase Budget Wo								Cost Allo	cation CTA			
Phase Status Ac	tive							Funding S	ource Bond	d Proceeds		
Start Date									Fund Cons	struction Bor	nd Fund	
End Date							U	seful Life >	20Yrs? No			
Cost E	Estimatio	on In	formation				Tot. Fede	ral Loan A	mount		\$	50
	5		Cost Est. Cl	ass			Prog	gram/Allov	vance Task	Information		
1/1,	/2016		Cost Est. Do	ate	Р	roject	Manager					
GLWA			Cost Est. So	ource	C	IP Nu	mber					
GLWA			Cost Est. Pr	epared By	D	escrip	otion					
Cost Type		Fis	cal Year	Expens	е	Fringe	e BenefitNor	nPersonne	(Comment		
GLWA Salaries CIP2	.020	FY19)		\$15		6	1	CS-171			
GLWA Salaries CIP2	2020	FY20)		\$15		6	1	CS-171			
GLWA Salaries CIP2	2020	FY21			\$15		6	1	CS-171			
GLWA Salaries CIP2	020	FY22	2		\$0		0	0	CS-171			
Prior Yr Actuals	FY19	9	FY20	FY21	FY2	22	FY23	FY24	FY25+	Total		
		22	22	22		0	0	0	0	66		

Phase Total Expenses By FY (All figures are in \$1,000's)

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Lake Huron Water Treatment Plant, Raw Sludge Clarifier and Raw Sludge Pumping System

Phase Construction Contract NA Status Future Planned Start

Title LH WTP - Raw Sludge Clarifier and Raw Sludge Pumping System Improvements

Phase Budget	Water		Cost Allocation	СТА
Phase Status	Future Plan	ned Start	Funding Source	Bond Proceeds
Start Date			Fund	Construction Bond Fund
End Date			Useful Life >20Yrs?	Yes
Co	ost Estimatio	n Information	Tot. Federal Loan Amount	
	5	Cost Est. Class	Program/Allowance	Task Information
	1/1/2016	Cost Est. Date	Project Manager	
GLWA		Cost Est. Source	CIP Number	
GLWA		Cost Est. Prepared By	Description	

Cost Type	Fiscal Year	Expense	Fringe Benefit	NonPersonne	Comment
Construction	FY19	\$0			2020CIP
Construction	FY20	\$4,450			
Construction	FY21	\$4,450			
Construction	FY22	\$0			

Task	Start Date	End Date	Duration
Scope Development	9/3/2018	12/2/2018	90
Procurement	12/3/2018	9/2/2019	273
Project Execution	9/1/2019	12/24/2020	480
Project Closeout	12/24/2020	3/24/2021	90

Prior Yr Actuals	FY19	FY20	FY21	FY22	FY23	FY24	FY25+	Total
	0	4,450	4,450	0	0	0	0	8,900

Phase Total Expenses By FY (All figures are in \$1,000's)

Lake Huron Water Treatment Plant, Raw Sludge Clarifier and Raw Sludge Pumping System

Phase	Study	and Design	and	Construction	Assistance

Contract CS-171

Status Under Procurement

Title CS-171, Brown & Caldwell, LH WTP-Raw Sludge Clarifier and Raw Sludge Pumping System Improvements

Phase Budget Wo	ater		Cos	st Allocation	CTA
Phase Status Un	nder Procu	rement	Fun	Revenue Financed Capital	
Start Date		10/2/2017		Fund	Improvement & Extension Fun
End Date			Useful	Life >20Yrs?	No
Cost	Estimation	n Information	Tot. Federal La	oan Amount	
	5	Cost Est. Class	Program	/Allowance	Task Information
1/1	1/2016	Cost Est. Date	Project Manager		
GLWA		Cost Est. Source	CIP Number		
GLWA		Cost Est. Prepared By	Description		

Cost Type	Fiscal Year	Expense	Fringe Benefit	NonPersonne	Comment
Engineering Services	FY19	\$172			
Engineering Services	FY20	\$188			
Engineering Services	FY21	\$189			
Engineering Services	FY22	\$0			

Task	Start Date	End Date	Duration
Scope Development	8/1/2016	10/30/2016	90
Procurement	10/31/2016	10/31/2017	365
Project Execution	11/1/2017	6/30/2021	1337
Project Closeout	8/31/2021	11/29/2021	90

Prior Yr Actuals	FY19	FY20	FY21	FY22	FY23	FY24	FY25+	Total	
	172	188	189	0	0	0	0	549	

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Phase not applicab	ole					Contract	NA	Sta	itus Closec	d Out	
Title Prior Year Act	ual Expe	enses									
Phase Budget Wo	nter						Cost Allo	cation CTA			
Phase Status Clo	sed Ou	†		Funding Source							
Start Date				Fund Useful Life >20Yrs?							
End Date											
Cost E	Estimatio	on Information				Tot. Fed	deral Loan A	mount			
	5	Cost Est. C	Class			Pr	ogram/Allo	wance Task	Information	1	
1/1,	/2016	Cost Est. D	ate	Project Manager							
GLWA		Cost Est. S	ource	CIP Number		ımber					
GLWA		Cost Est. P	repared By	D	escri	ption					
Cost Type		Fiscal Year	Expens	e	Fring	e BenefitN	onPersonne	e (Comment		
ingineering Service	es	FY18-		\$275				FY18			
Jnknown		FY18-		\$9				FY17			
Prior Yr Actuals	FY19	9 FY20	FY21	FY	22	FY23	FY24	FY25+	Total		
284									284		
		Р	hase Total E	kpense	es By	FY (All figu	res are in \$	1,000's)			
Proje	ect Tot	al Expenses	By FY Co	mna	red t	to Prior C	IPs (ΔII fi	alires are	in \$1,000	's)	

	CIP	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24	FY25	Total
20	018			50	920	6,163				0	0	7,133
20	019	C	9	422	212	1,612	3,608	1,221			0	7,084
20	020	C	0	284	194	4,660	4,661	0	0	0	0	9,799