

Innovation	Project Status Active									
□ Water MP Right Siz	cing CIP Type Program									
Reliability/RedunctNEWTP Repurposir	dancy Project New To CIP									
Project Engineer/Mar	nager TBD	Budget	Water							
Mar	nager Grant Gartrell	Class Lvl 1	Water							
Managing	Dept Water Eng	Class Lvl 2	Programs							
Date Original Busines	s Case Prepared 1/5/2018	Class Lvl 3	Programs							
Year Proje	ect Added to CIP 2018	Location	Multiple Counties							
		Fund and Cost Center								
	This CIP will replace roofing systems on GLV stations that were determined to need rep Replacement is needed to protect building	placement over the next 5 to 7	years due to their poor condition.							
Scope of Work	Replace existing roofs with new built-up roo	ofing systems.								
Project History	Project History A condition assessment was performed and completed under Contract No. CS-1674 in 2016 that included all roofs located at GLWA's 5 water treatment plants, 19 water booster pumping stations and 11 sewage pumping stations. There were 268 separate roof sections totaling 1,682,727 square feet of roof inspected during this condition assessment project.									
Related Project	stations. There were 268 separate roof sect									



PM Weighted Score			
42			
Criteria	Score	Comr	nent
Condition	5		
Efficiency and Innovation	1		
Financial	2		
0&M	3		
Performance (Service Level/Reliability)	3		
Public Benefit	1		
Public Health & Safety	1		
De eu desterr (En viverene en ted (Le erel)	1		
Regulatory (Environmental/Legal)			
RC Weighted Score			
RC Weighted Score	Score	Comment	
RC Weighted Score O Criteria	Score	Comment	
RC Weighted Score 0 Criteria Condition	Score	Comment	
RC Weighted Score 0 Criteria Condition Efficiency and Innovation	Score	Comment	
RC Weighted Score 0 Criteria Condition Efficiency and Innovation Financial	Score	Comment	
RC Weighted Score 0	Score I	Comment	
RC Weighted Score O Criteria Condition Efficiency and Innovation Financial O&M	Score I	Comment	
RC Weighted Score 0 Criteria Condition Efficiency and Innovation Financial O&M Performance (Service Level/Reliability)	Score I	Comment	

GLW Great Lakes Water.	Authority		R		Y 2020-20 acement -		Water Fac	cilities	17	1 500 CIP		
Phase GLWA Em Title GLWA Sala		t manageme	ent	C	Contract NA	A	Statu	is Active				
Phase Budget Phase Status Start Date					Cost Allocation CTA Funding Source Bond Proceeds Fund Construction Bond Fund							
End Date	ost Estimation In	formation				seful Life >2(ral Loan Am	_		\$0			
Testing Engine Testing Engine	Program/Allowance Project Manager CIP Number Description											
Prior Yr Actua	ls FY19 O	FY20 0	FY21 0	FY22 0	FY23 0	FY24 0	FY25+	Total 0				
					FY (All figure							

Great Lakes Water	VA <i>r</i> Authority			R			2020-2 cemen			Water F	acilities		171500 c		
Phase Design a	nd Bu	uild				Co	ontract	NA	Λ	Ste	atus Active				
Fitle Phase 464	63155	52 - Roof	replacemen ti Booster Sta	t at LH-WTP, 1 tions	NE-WT	P, WWF	P-WTP, Fo	ord	Road, Nc	rthwest, Ec	astSide, Newl	burgh, Roc	hester,		
Phase Budget	Wate	er							Cost Allo	cation CTA	٨				
Phase Status	Activ	ve							Funding S	ource Bon	d Proceeds				
Start Date										Fund Cor	nstruction Bo	nd Fund			
End Date								Us	eful Life >:	20Yrs? Yes					
С	ost Es	timation	Information				Tot. Fee	der	al Loan A	mount					
		4	Cost Est. C	lass	Program/Allowance Task Information										
	1/1/2	2016	Cost Est. D	ate	Project Manager										
Testing Engine			Cost Est. S	ource	CIP Number										
Testing Engine				repared By	By Description										
Cost Ty	vpe		-iscal Year	Expense	pense Fringe BenefilNonPersonne						Comment				
Design-Build	10.0		24	•	2,000										
Design-Build		FY	25+	\$2	,000					2020CIP					
Task	<		Start Date	End Date	Dur	ation									
Scope Develop	ment	-	4/2/2022	7/1/2022		90									
Procurement			7/2/2022	7/2/2023		365									
Project Executio	6/25/2027		1453												
Project Closeou	9/24/2027		90												
Prior Yr Actuo	als	FY19	FY20	FY21	FY2	22	FY23		FY24	FY25+	Total				
		(0 C	0		0	(C	2,000	2,000	4,000]			
			Р	hase Total Ex	pense	es By FY	' (All figu	Jres	s are in \$1	,000's)					

GLWA			_		A FY 2020				171500				
Great Lakes Water Authorit	ry		R	oot Re	eplaceme	nt - Various	Water Fo						
Phase not applicab	ole				Contract	NA	Sta	tus Closed	Out				
Title Prior Year Actu	Jal Expense	S											
Phase Budget Wa	Iter					Cost Alloc	cation CTA						
Phase Status Clo	sed Out					Funding S	ource						
Start Date							Fund						
End Date						Useful Life >2	20Yrs?						
Cost E	stimation In	formation		1	Tot. Fe	ederal Loan Ar	nount		\$0				
	4	Cost Est. C	ass	Program/Allowance Task Information									
1/1,	/2016	Cost Est. Do	ate	Pro	oject Manag	er							
Testing Engineers	& Consult	Cost Est. Sc	ource	CIP Number									
Testing Engineers	& Consult	Cost Est. Pr	epared By	De									
Cost Type	Fi	scal Year	Expens	e F	ringe Benefit	NonPersonne	(Comment					
Engineering Service			Experts	\$50	ninge berienn		-Y18						
Drier Vr. A etuele	EV10	EV00	EV01	EVOC		EVO 4	EVOE I	Total					
		FTZU	FIZI	F1ZZ	2 F123	FTZ4	FTZO+						
						Jures are in \$1,							
	FY18		FY21	\$50 FY22	2 FY23	FY24	FY18 FY25+	Total 50					

GLWA Great Lakes Water Authorit	y		Ro	GLWA FY 2020-2024 CIP Roof Replacement - Various Water Facilities									171500 CIF
Phase Design and B	Build				Co	ontract	NA		5	Statu	Js Active		
Title Phase 7585221	114 - Roo	f replacemen	t at LH-WTP, S	SW-W	IP, WW	P-WTP, In	nlay c	and Fra	nklin Boo	ster	Stations		1
Phase Budget Wa	ter						С	ost Alloo	cation C	TA			
Phase Status Act	tive						Fu	nding S	ource Bo	ond	Proceeds		
Start Date		1/23/	2018						Fund C	onst	ruction Bor	nd Fund	
End Date		7/22/	2020				Usefu	ul Life >2	20Yrs? Ye	es			
Cost E	stimatior	n Information				Tot. Fed	leral	Loan Ai	mount				
	4	Cost Est. C	lass			Pro	ograi	m/Allov	vance Ta	sk Ir	nformation		
12/9,	/2016	Cost Est. D	ate	Project Manager									
CS-1674 roofing C	CA contro	ac Cost Est. Se	ource	CIP Number									
Testing Engineers	& Consu	lt Cost Est. P	repared By	ed By Description									
Cost Type		Fiscal Year	Expense)	Fringe	BenefilNe	onPe	rsonne		С	omment		
Design-Build	F	Y19		\$0									
Design-Build	F	Y20	\$2	,657									
Task		Start Date	End Date	Dur	ation								
Scope Developmer	nt	1/23/2018	4/23/2018		90								
Procurement		4/24/2018	4/24/2019		365								
Project Execution		4/25/2019	4/22/2020		363								
Project Closeout		4/23/2020	7/22/2020		90								
Prior Yr Actuals	FY19	FY20	FY21	FY2	22	FY23	F	-Y24	FY25+		Total		
		0 2,657	0		0	0)	0		0	2,657		

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

Phase Budget Water Cost Allocation CTA Phase Status Active Funding Source Bond Proceeds Start Date Fund Construction Bond Fund End Date Useful Life >20Yrs? Yes Cost Estimation Information Tot. Federal Loan Amount 4 Cost Est. Class 1/1/2016 Cost Est. Date Testing Engineers & Consult Cost Est. Source Cost Est. Drepared By Duration Task Start Date Task Start Date Find Date Duration Scope Development 3/31/2026 6/30/2026 6/30/2027 Project Execution 7/1/2027														
Arase Design and Build Contract NA Status Active itle Phase 1218915073 - Roof replacement at LH-WTP, SW-WTP, WWP-WTP, Imlay Booster Station and Franklin Booster Station (1) Cost Allocation CTA Phase Budget Water Cost Allocation CTA Phase Status Active Funding Source Bond Proceeds Start Date Fund Construction Bond Fund Useful Life >20Yrs? Yes Tot. Federal Loan Amount Program/Allowance Task Information 1/1/2016 Cost Est. Class Project Manager 1/1/2016 Cost Est. Source CIP Number Description Description Description	GLWA Great Lakes Water Author	ity		Ro				Water Fa	cilities	171	500 CII			
Phase Budget Water Cost Allocation CTA Phase Status Active Funding Source Bond Proceeds Start Date Fund End Date Useful Life >20Yrs? Cost Estimation Information Tot. Federal Loan Amount 1/1/2016 Cost Est. Class Testing Engineers & Consult Cost Est. Prepared By Testing Engineers & Consult Cost Est. Prepared By Task Start Date Value Affait Date Value Affait Date Task Start Date Affait Date Duration Scope Development 3/31/2026 Affait Date Duration Scope Development 3/31/2026 Affait Date Duration Project Kaccution 7/1/2027 Affait Date Duration Scope Development 3/31/2026 Affait Date Duration Project Kaccution 7/1/2027 Affait Date Duration Project Closeout 6/26/2030 Affait Project Y Actuals FY19 FY20 FY21 FY23 FY24 FY25+ Total <td>Phase Design and</td> <td>Build</td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Phase Design and	Build			-									
Phase Status Active Funding Source Bond Proceeds Start Date Fund Construction Bond Fund Construction Bond Fund End Date Useful Life >20Yrs? Yes Cost Estimation Information Tot. Federal Loan Amount Program/Allowance Task Information 1/1/2016 Cost Est. Class Project Manager 1/1/2016 Cost Est. Source Cost Est. Prepared By Task Start Date End Date Task Start Date Duration Scope Development 3/31/2026 6/29/2026 Project Execution 7/1/2027 6/25/2031 Project Closeout 6/26/2030 9/24/2030 Prior Yr Actuals FY19 FY21 FY22 FY23 FY24 FY25+ Total	Title Phase 121891	5073 - Ro	of replaceme	ent at LH-WTP,	SW-WTP, W	WP-WTP, Im	lay Booster S	Station and	d Franklin Bo	poster Station (1)				
Fund Construction Bond FundEnd DateUseful Life >20Yrs?YesCost Estimation InformationTot. Federal Loan Amount4Cost Est. ClassProgram/Allowance Task Information1/1/2016Cost Est. DateProject ManagerTesting Engineers & ConsultCost Est. Prepared ByDurationTaskStart DateEnd DateDuration5cope Development3/31/20266/29/202690Project Execution7/1/20276/25/20311455Project Closeout6/26/203090Prior Yr ActualsFY19FY20FY21FY22FY23FY24FY25+Total	Phase Budget Wa	ater					Cost Alloco	ation CTA						
Useful Life >20Yrs?Cost Estimation Information4Cost Est. Class1/1/2016Cost Est. Class1/1/2016Cost Est. DateTesting Engineers & ConsultCost Est. SourceTesting Engineers & ConsultCost Est. Prepared ByTaskStart DateEnd Date1/1/20266/29/202690Project Execution7/1/20276/30/20266/30/20277/1/20276/25/20311/1/20276/25/20311/1/20276/25/20311/1/20276/25/20311/1/20276/25/20311/1/20276/25/20311/1/20276/25/20311/1/20276/25/20311/1/20276/25/20311/1/20276/25/20311/1/20271/1455Project Closeout6/26/20309/24/20309/0	Phase Status Ac	tive					Funding So	urce Bond	Proceeds					
Cost Estimation Information4Cost Est. Class1/1/2016Cost Est. DateTesting Engineers & ConsultCost Est. DateTesting Engineers & ConsultCost Est. Prepared ByTaskStart DateStart DateEnd DateDurationScope Development3/31/20263/31/20266/29/2026Project Execution7/1/20276/26/20309/24/2030Project Closeout6/26/20309/24/20309/0Prior Yr ActualsFY19FY20FY21FY22FY23FY24FY25+Total	Start Date						1	Fund Cons	truction Bor	nd Fund				
Cost Est. Class1/1/2016Cost Est. DateProject ManagerTesting Engineers & ConsultCost Est. SourceCIP NumberDescriptionDescriptionTaskStart DateEnd DateScope Development3/31/20266/29/20266/30/20266/30/2027365Project Execution7/11/20276/26/20309/24/2030Prior Yr ActualsFY19FY20FY21FY22FY23FY24FY25+Total	End Date					U	seful Life >20	Yrs? Yes						
1/1/2016Cost Est. DateProject ManagerTesting Engineers & ConsultCost Est. SourceCIP NumberDescriptionDescriptionTaskStart DateEnd DateScope Development3/31/20266/30/20266/29/2026Project Execution7/1/20276/26/20309/24/2030Project Closeout6/26/2030Project Closeout6/26/2030Project Scope Development5/26/20307/1/20276/25/2031Project Closeout6/26/2030Project Closeout6/26/2030Project Closeout6/26/2030Project Yr ActualsFY19FY20FY21FY22FY23FY24FY25+Total	Cost	Estimatior	Information		Tot. Federal Loan Amount									
Testing Engineers & ConsultCost Est. Source Cost Est. Prepared ByCIP Number DescriptionTaskStart DateEnd DateDurationScope Development3/31/20266/29/202690Procurement6/30/20266/30/20277/1/20276/25/20311455Project Execution7/1/20276/25/2031Prior Yr ActualsFY19FY20FY21FY22FY23FY24FY25+Total		4	Cost Est. C	Class	Program/Allowance Task Information									
Testing Engineers & ConsultCost Est. Prepared ByDescriptionTaskStart DateEnd DateDurationScope Development3/31/20266/29/202690Procurement6/30/20266/30/2027365Project Execution7/1/20276/25/20311455Project Closeout6/26/20309/24/203090Prior Yr ActualsFY19FY20FY21FY22FY23FY24FY25+Total	1/1	/2016	Cost Est. D	ate	Project	Manager								
Task Start Date End Date Duration Scope Development 3/31/2026 6/29/2026 90 Procurement 6/30/2026 6/30/2027 365 Project Execution 7/1/2027 6/25/2031 1455 Project Closeout 6/26/2030 9/24/2030 90 Prior Yr Actuals FY19 FY20 FY21 FY22 FY23 FY24 FY25+ Total	Testing Engineer	s & Consu	It Cost Est. S	ource	CIP Nur	nber								
Scope Development 3/31/2026 6/29/2026 90 Procurement 6/30/2026 6/30/2027 365 Project Execution 7/1/2027 6/25/2031 1455 Project Closeout 6/26/2030 9/24/2030 90 Prior Yr Actuals FY19 FY20 FY21 FY22 FY23 FY24 FY25+ Total	Testing Engineer	s & Consu	It Cost Est. P	repared By	Descrip	tion								
Scope Development 3/31/2026 6/29/2026 90 Procurement 6/30/2026 6/30/2027 365 Project Execution 7/1/2027 6/25/2031 1455 Project Closeout 6/26/2030 9/24/2030 90 Prior Yr Actuals FY19 FY20 FY21 FY22 FY23 FY24 FY25+ Total														
Procurement 6/30/2026 6/30/2027 365 Project Execution 7/1/2027 6/25/2031 1455 Project Closeout 6/26/2030 9/24/2030 90 Prior Yr Actuals FY19 FY20 FY21 FY22 FY23 FY24 FY25+ Total	Task		Start Date	End Date	Duration									
Project Execution 7/1/2027 6/25/2031 1455 Project Closeout 6/26/2030 9/24/2030 90 Prior Yr Actuals FY19 FY20 FY21 FY22 FY23 FY24 FY25+ Total	Scope Developme	nt	3/31/2026	6/29/2026	90	C								
Project Closeout 6/26/2030 9/24/2030 90 Prior Yr Actuals FY19 FY20 FY21 FY22 FY23 FY24 FY25+ Total	Procurement		6/30/2026	6/30/2027	36	5								
Prior Yr Actuals FY19 FY20 FY21 FY22 FY23 FY24 FY25+ Total	Project Execution		7/1/2027	6/25/2031	145	5								
	Project Closeout		6/26/2030	9/24/2030	9(D								
0 0 0 0 0 0 0 0	Prior Yr Actuals	FY19	FY20	FY21	FY22	FY23	FY24	FY25+	Total					
			0 0	0	0	0	0	0	0					

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

GLW				GLWA FY					171500 CI			
Great Lakes Water A	uthority		Ro	oof Repla								
Phase Design ar	nd Build			C	ontract N	Ą	Stat	us Active				
Title Phase 1252	2759899 - Ro	of replaceme	ent at LH-WTP,	SW-WTP, OI	rion & North	n Service Cer	nter Booste	er Stations				
Phase Budget	Water					Cost Alloca	ition CTA					
Phase Status	Active					Funding Sou	urce Bond	Proceeds				
Start Date						F		truction Bor	nd Fund			
End Date					U	seful Life >20	Yrs? Yes					
Co	ost Estimatio	n Information			Tot. Fede	eral Loan Ame	ount					
	4	Cost Est. C	Class	Program/Allowance Task Information								
	1/1/2016	Cost Est. D	Date	Project Manager								
Testing Engine	ers & Consu	ult Cost Est. S	ource	CIP Number								
Testing Engine	ers & Consu	ult Cost Est. P	repared By	d By Description								
Task		Start Date	End Date	Duration								
Scope Developr	nent	3/31/2018	6/29/2018	90	C							
Procurement		6/30/2018	6/30/2019	36	5							
Project Executio	n	7/1/2019	6/23/2023	145	3							
Project Closeout		6/24/2023	9/22/2023	90	C							
Prior Yr Actual	s FY19	FY20	FY21	FY22	FY23	FY24	FY25+	Total				
		0 0	0 0	0	0	0	0	0				

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

						0 111/1							500 CIP#	
Great L	LVV	Q ority			R	GLWA FY 2020-2024 CIP 17 Roof Replacement - Various Water Facilities								
Phase Desi	gn and	Build					Contrac	t NA		Status	Active			
Title Phase	9003	77390 - R	oof	replaceme	nt at LH-WTP	, SW-WTP	, WWP-W	TP, Imlay B	ooster Sto	tion and Fra	nklin Booste	er Station (2)		
Phase Bu	dget W	'ater						Cos	t Allocatio	on CTA				
Phase St	atus A	ctive						Fund	ding Sourc	e Bond Proc	ceeds			
Start	Date								Fur	d Construct	tion Bond Fu	und		
End	Date							Useful	Life >20Yr	s? Yes				
	Cost	Estimati	on Ir	nformation			Tot.	Federal La	an Amou	nt				
		4		Cost Est. C	lass			Program	Allowand	e Task Infor	mation			
	1/	1/2016		Cost Est. D	ate	Proje	ect Mana	ger						
Testing E			sult	Cost Est. S	ource	CIP Number								
Testing E	-				repared By	ed By Description								
]										
	Task		S	tart Date	End Date	Duratio	on							
Scope Dev	elopme	ent		3/31/2030	6/29/2030)	90							
Procureme	nt			6/30/2030	6/30/2031		365							
Project Exe				7/1/2031	6/25/2035	5 1	455							
Project Clo	seout			6/26/2035	9/24/2035	5	90							
Prior Yr A	ctuals	FY1	9	FY20	FY21	FY22	FY2	3 FY	24 F	Y25+ To	otal			
			0	0	0		0	0	0	0	0			
				Р	hase Total Ex	kpenses B	By FY (All	ligures are	in \$1,000	's)				
	Pro	ject To	al I	Expenses	By FY Co	mparec	d to Pric	or CIPs (A	All figure	es are in \$	1,000's)		,	
	FY16	FY1	7	FY18	FY19	FY20	FY21	FY22	FY23	FY24	FY25	Total		
2019		0			111	986	210					27,246		
2020		0	0	50	0	2,657	0	()	0 2,000	2,000	6,707		