

West Service Center Pumping Station - Reservoir, Reservoir Pumping, and Division Valve

- Innovation
- Water MP Right Sizing
- Reliability/Redundancy
- NEWTP Repurposing

Project Status Future Planned

CIP Type Project

Project New To CIP

Project Engineer/Manager Timothy Kuhns

Manager Grant Gartrell

Managing Dept Water Eng

Date Original Business Case Prepared 10/11/2016

Year Project Added to CIP 2017

Budget Water

Class Lvl 1 Water

Class Lvl 2 SCC

Class Lvl 3 Pump Station/Reservoir

Location Oakland County

Fund and Cost Center Water - 5519-882111

Project Significance	Construction of West Service Center Division Valves is needed to convey Lake Huron flows through the West Service Center to the Springwells high service area while the Springwells raw water tunnel is out of service for repairs. Construction of active bypass around the Newburgh Pump Station.
Scope of Work	Lake Huron WTP needs to provide flows to the Springwells high service area while the Springwells raw water tunnel is out of service for repair.
Challenges	Coordination with operations critical meet testing of existing valves. Isolation, shutdown and operation of Lake Huron and Springwells WTPs, North Service Center, and other facilities.
Project History	n/a
Related Project	Springwells WTP Reservoir Fill Line
Lookup Driver	2 - Performance
Other Important Info	n/a
Explanation	Not provided.

West Service Center Pumping Station - Reservoir, Reservoir Pumping, and Division Valve

PM Weighted Score

52.6

Criteria	Score	Comment
Condition	3	
Efficiency and Innovation	2	
Financial	2	
O&M	4	
Performance (Service Level/Reliability)	4	
Public Benefit	2	
Public Health & Safety	3	
Regulatory (Environmental/Legal)	1	

RC Weighted Score

54

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



West Service Center Pumping Station - Reservoir, Reservoir Pumping, and Division Valve

Phase Design and Build

Contract NA

Status Future Planned Start

Title West Service Center PS - Reservoir, Reservoir Pumping, and Division Valve Upgrades

Phase Budget

Phase Status

Start Date

End Date

Cost Allocation

Funding Source

Fund

Useful Life >20Yrs?

Tot. Federal Loan Amount

Cost Estimation Information

Cost Est. Class

Cost Est. Date

Cost Est. Source

Cost Est. Prepared By

Program/Allowance Task Information

Project Manager

CIP Number

Description

Cost Type	Fiscal Year	Expense	Fringe Benefit	NonPersonne	Comment
Design-Build	FY20	\$2,590			
Design-Build	FY21	\$7,400			
Design-Build	FY22	\$15,540			
Design-Build	FY23	\$8,880			
Design-Build	FY24	\$2,590			

Task	Start Date	End Date	Duration
Scope Development	6/9/2018	9/7/2018	90
Procurement	9/8/2018	9/8/2019	365
Project Execution	9/9/2019	9/1/2023	1453
Project Closeout	9/2/2023	12/1/2023	90

Prior Yr Actuals	FY19	FY20	FY21	FY22	FY23	FY24	FY25+	Total
	0	2,590	7,400	15,540	8,880	2,590	0	37,000

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



West Service Center Pumping Station - Reservoir, Reservoir Pumping, and Division Valve

Phase GLWA Employees Project management

Contract NA

Status Future Planned Start

Title GLWA Salaries

Phase Budget

Phase Status

Start Date

End Date

Cost Allocation

Funding Source

Fund

Useful Life >20Yrs?

Tot. Federal Loan Amount

Cost Estimation Information

Cost Est. Class

Cost Est. Date

Cost Est. Source

Cost Est. Prepared By

Program/Allowance Task Information

Project Manager

CIP Number

Description

Cost Type	Fiscal Year	Expense	Fringe Benefit	NonPersonne	Comment
GLWA Salaries CIP2020	FY20	\$21	8	1	
GLWA Salaries CIP2020	FY21	\$21	8	1	
GLWA Salaries CIP2020	FY22	\$21	8	1	
GLWA Salaries CIP2020	FY23	\$21	8	1	
GLWA Salaries CIP2020	FY24	\$11	4	1	

Prior Yr Actuals	FY19	FY20	FY21	FY22	FY23	FY24	FY25+	Total
	0	30	30	30	30	16	0	136

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

Project Total Expenses By FY Compared to Prior CIPs (All figures are in \$1,000's)

CIP	FY16	FY17	FY18	FY19	FY20	FY21	FY22	FY23	FY24	FY25	Total
2018			7,600	4,200					0	0	11,800
2019	0				2,620	7,430	15,570	8,910	2,606	0	37,136
2020	0	0		0	2,620	7,430	15,570	8,910	2,606	0	37,136