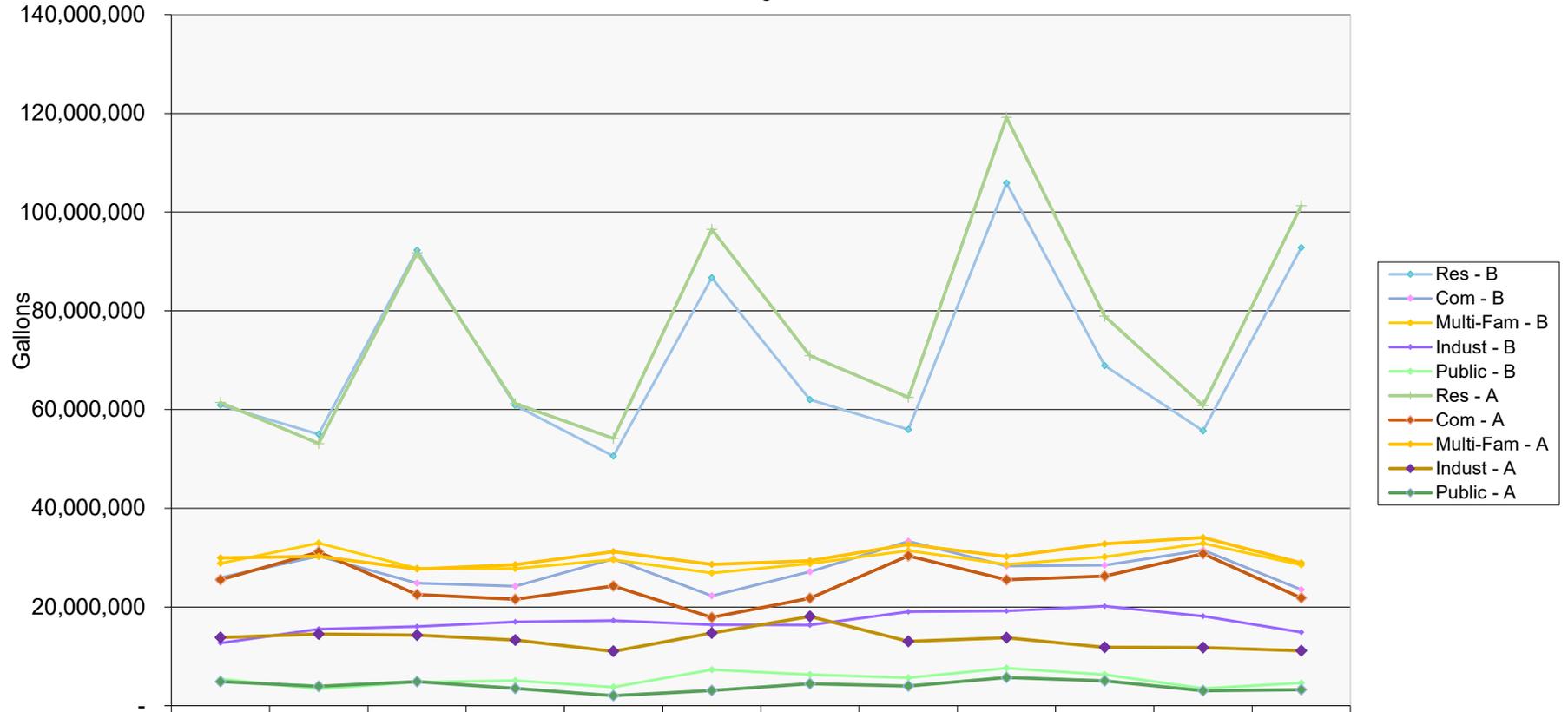


WWU
Billed Gallons
Actual v Budget - 2020



Waukesha Water Utility
Consumption Analysis
December 2020

Customer Type	Dec 2020	Dec 2020	Over / (Under)		2020 YTD	2020 YTD	Over / (Under)	
	Gallons Billed	Gallons Budget			Gallons Billed	Gallons Budget		
Res - Single	89,774,200	81,997,188	7,777,012	9.5%	791,763,800	732,935,336	58,828,464	8.0%
Res - Duplex	10,693,700	10,241,686	452,014	4.4%	111,255,800	106,945,832	4,309,968	4.0%
Res - Triplex	809,500	546,742	262,758	48.1%	8,735,000	7,649,390	1,085,610	14.2%
Res - Total	101,277,400	92,785,616	8,491,784	9.2%	911,754,600	847,530,558	64,224,042	7.6%
Commercial	21,838,500	23,503,046	(1,664,546)	-7.1%	299,397,400	329,450,422	(30,053,022)	-9.1%
Multi-Family	28,952,900	28,518,098	434,802	1.5%	364,207,900	354,212,082	9,995,818	2.8%
Industrial	11,121,600	14,892,864	(3,771,264)	-25.3%	161,293,500	202,646,850	(41,353,350)	-20.4%
Public	3,263,200	4,626,286	(1,363,086)	-29.5%	47,756,950	63,746,354	(15,989,404)	-25.1%
Irrigation	3,163,300	177,200	2,986,100	1685.2%	6,206,500	3,876,001	2,330,499	60.1%
	169,616,900	164,503,110	5,113,790	3.1%	1,790,616,850	1,801,462,267	(10,845,417)	-0.6%

**WAUKESHA WATER UTILITY
STATEMENT OF SOURCES AND USES OF CASH
PERIOD ENDING DECEMBER 31, 2020**

Cash Balance - November 30, 2020

\$26,941,957

SOURCES:

Operations:

Customers - water sales	\$797,304
Waste Water Utility - joint metering billing	62,450
Rent of utility property - cellular leases	58,730
Receipts on sewer bills	1,245,679
Receipts from return flow	322,105
Reimbursement from City for return flow expenses	329,515
Reimbursement from City for sewer construction costs	
Other - miscellaneous	5,636
Total Cash From Operating Activities	\$2,821,418

Capital and Related Financing Activities:

Grants	
Contributions	543,493
Issuance of long-term debt	29,949,188
Sale of short-term debt	
Interest income	5,871
Total Cash From Capital/ Investing Activities	\$30,498,552

Total Cash Receipts

\$33,319,970

USES:

Salaries, wages, payroll taxes and benefits	338,021
Subcontracted and outside services	37,285
Disbursement to city for sewer transfer	1,405,280
Disbursement to city for return flow transfer	364,354
Pumping power	51,116
Purchase of materials and supplies	179,056
Tax equivalent - PILOT	
Acquisition of capital assets	1,418,302
WIFIA Fees	
Debt service - principal	20,175,000
Debt service - interest	62,831
	\$24,031,246

Total Cash Used

\$24,031,246

Net Change in Cash

\$9,288,723

Cash Balance - December 31, 2020

\$36,230,680

WWU
TRANSMISSION AND DISTRIBUTION
BUDGET VARIANCE ANALYSIS

Project	Project #	Description/Location	Budget	Current Estimate	PJC Total	Aldermanic District		Construction Completion
Hartwell - Wabash to Newhall & Oxford - Hartwell to East	M00532	Replace 2600 feet of 6-inch and 8-inch cast iron water main from 1929 with 8-inch ductile iron main on Hartwell Avenue from Wabash to Newhall, and on Oxford Road from Hartwell to East. The project is being done with the City Public Works Dept.		\$ 884,592	\$ 796,521	8	Elizabeth Moltzan	October 2020
						10	Steve Johnson	
N. Barstow Street and Riverfront Plaza Utility & Street Reconstruction	M00543	Replace approximately 4300 feet of existing 8" and 12" water main from 1909 - 1957 with 12-inch ductile iron on Barstow Street from Wisconsin to North, and on Riverfront Plaza from Broadway to Barstow. The project is being done with the City Public Works Dept.		\$ 1,219,483	\$ 1,100,942	11	Leonard Miller	October 2020
Roberta Avenue and Tenny Avenue Utility & Street Reconstruction	M00545	Replace 2800 feet of 12-inch cast iron pipe from 1951 with 12-inch PVC on Tenny Avenue from Roberta to Oakwood and on Roberta from East to Tenny. The project is being done with the City Public Works Dept.		\$ 683,039	\$ 547,715	10	Steve Johnson	October 2020
Scott Avenue Water Main Improvements	M00551	Replace 6-inch cast iron from 1924 - 1950 with 8-inch PVC on Wabash, Frame, and Harrison, from Scott Avenue to their terminating cul-de-sacs. The project is being done with the City Public Works Dept.		\$ 368,625	\$ 352,945	6	Jack Wells	October 2020
Oakmont to Pebble Valley Zone	TBD	Extend 12" water main through easement connecting Pebble Valley and Oakmont.		\$ 529,997	\$ -	14	Rick Lemke	TBD
Area 1 & 2 Flood Mitigation	M00548	Water Main Offsets for Storm Sewer	Not included in Original Budget	\$ 75,000	\$ 50,431	5	Peter Bartels	October 2020
<i>Routine Projects</i>			\$ 4,763,476	\$ 3,760,736	\$ 2,848,553			
<i>Misc Routine</i>			\$ 881,799	\$ 881,799	\$ 881,799			
Total Transmission & Distribution			\$ 5,645,275	\$ 4,642,535	\$ 3,730,352			

Bold Totals are Based on Bids

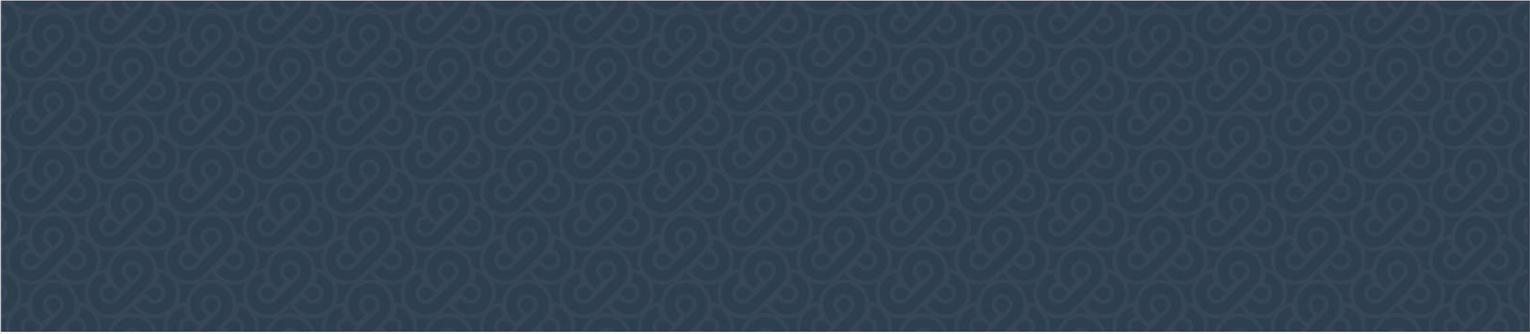
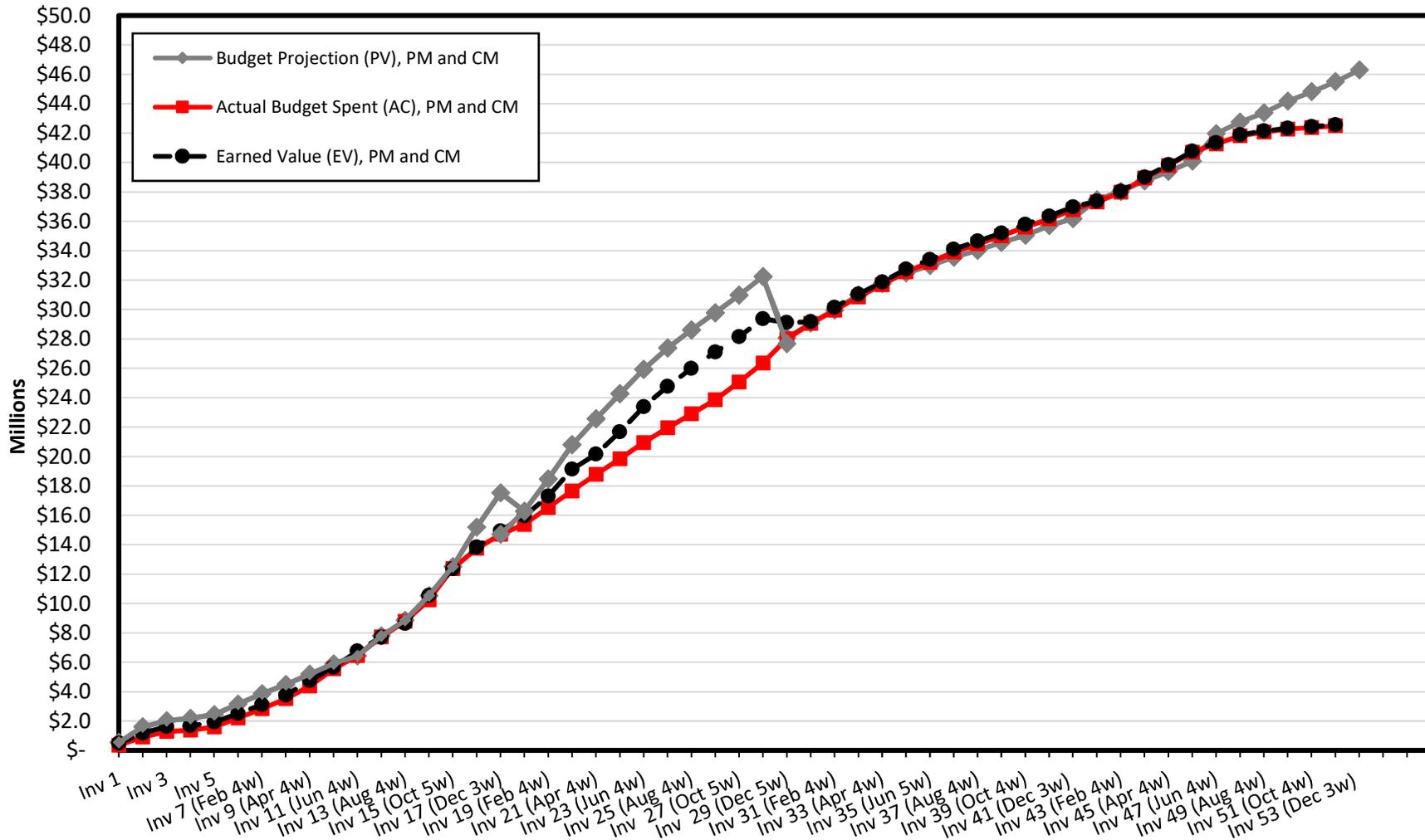


Exhibit 5 – Earned Value Analysis



Great Lakes Water Supply Program PM/CM
Program
Earned Value Chart
Phase 1 and 2 (Invoice No. 52)
 (Excluding Allowances and Contingencies)

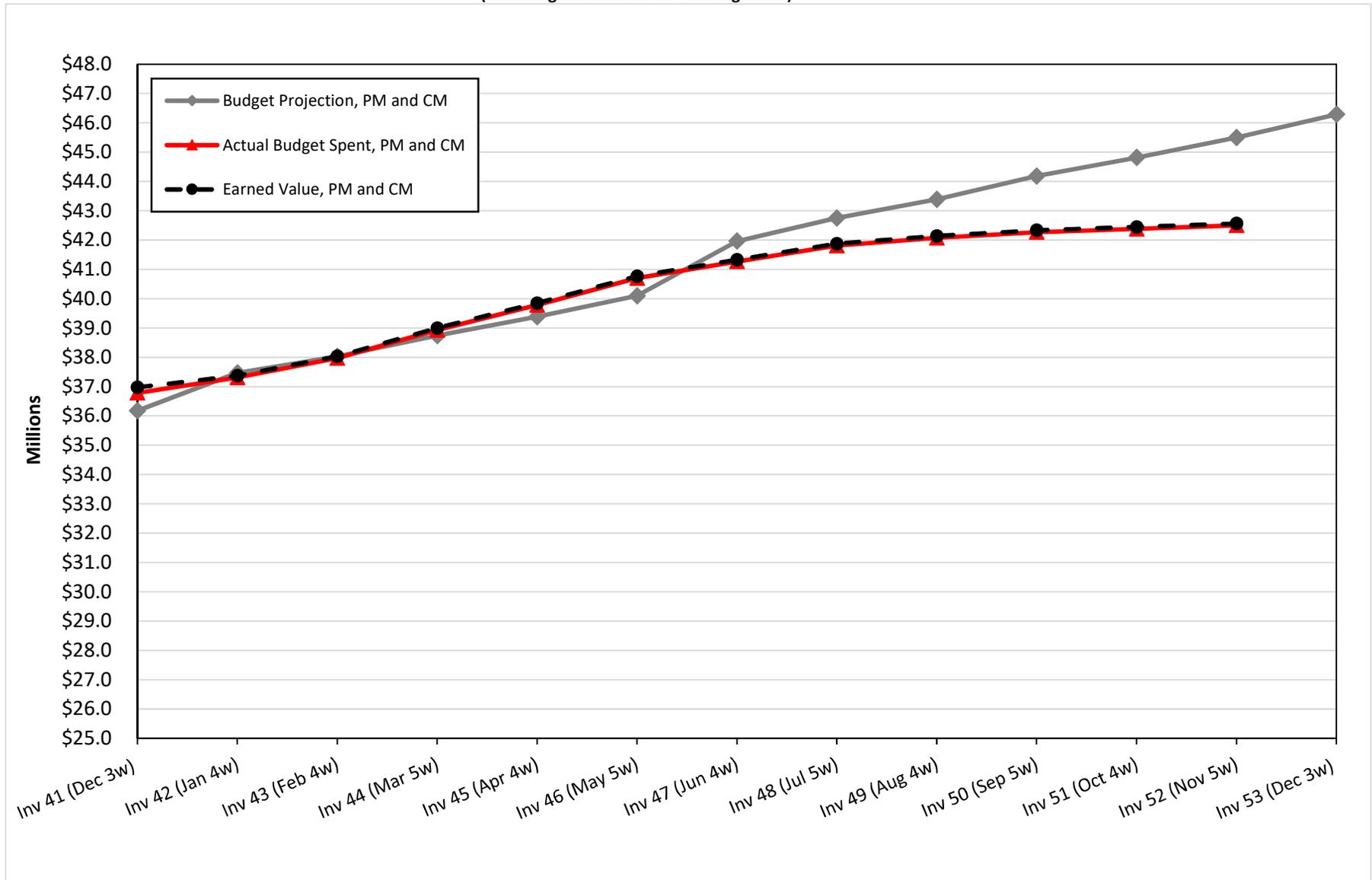


% Spent 99.4%
Actual Budget Spent \$40,421,773

Schedule Performance Index (SPI) 0.99
Cost Performance Index (CPI) 1.00

Note: Budget associated with Task 3-300, 5-200 and 5-300 water quality scope has been removed.

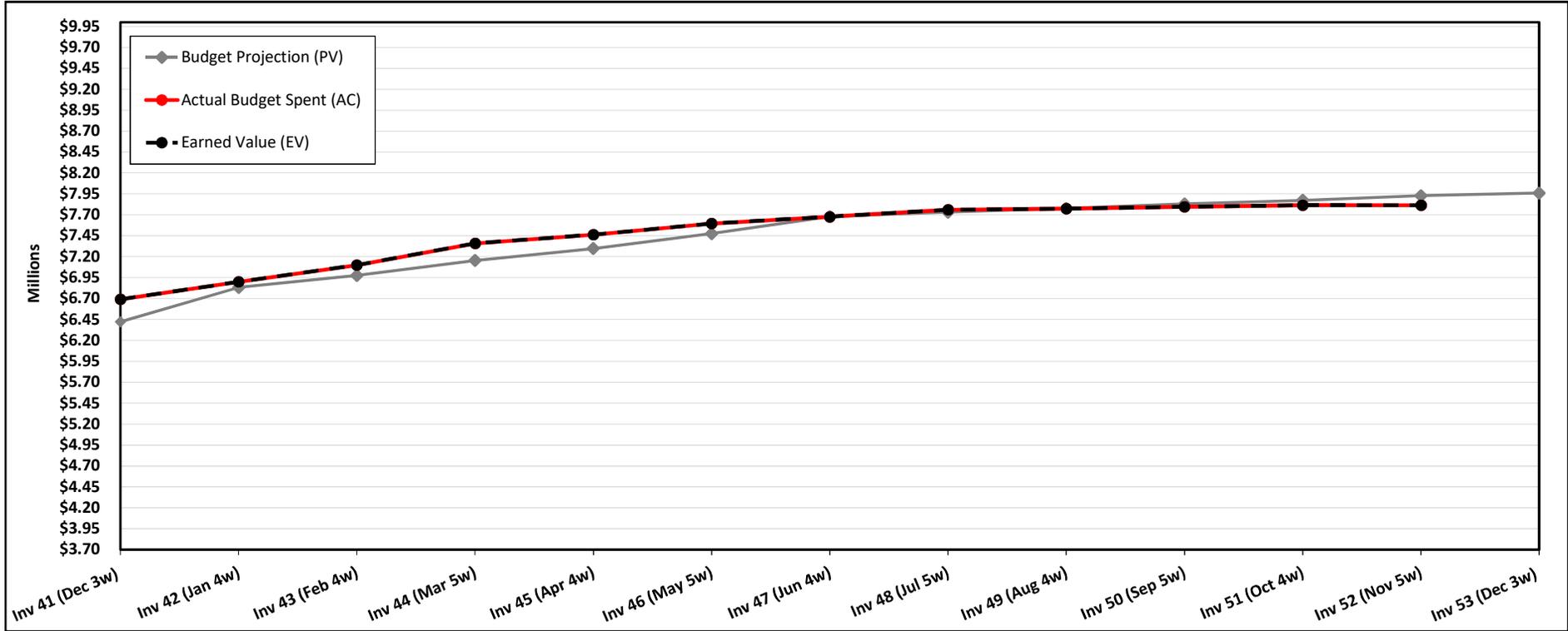
Great Lakes Water Supply Program PM/CM Program
 Phase 2 Calendar Year 2020 Earned Value Chart
 Phase 1 and 2 (Invoice No. 52)
 (Excluding Allowances and Contingencies)



% Spent 99.4%
Actual Budget Spent \$40,421,773

Schedule Performance Index (SPI) 0.99
Cost Performance Index (CPI) 1.00

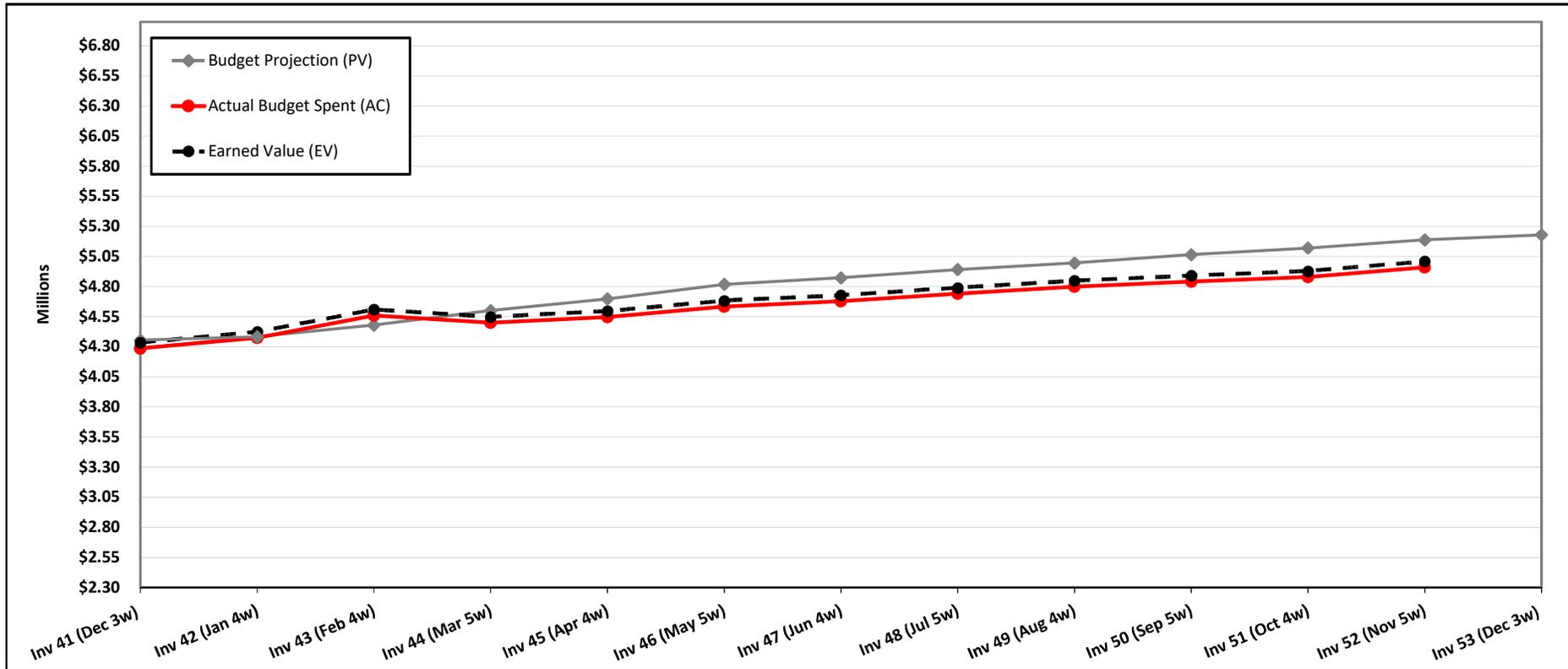
Note: Budget associated with Task 3-300, 5-200 and 5-300 water quality scope has been removed.



Earned Value Calculations	
Budget at Completion ^{(BAC)(1)} (BAC)	\$ 7,959,692
Estimate to Complete ^(ETC1) (ETC1=EAC1-AC)	\$ 144,627
Cost Variance ^(CV) (CV=EV-AC)	\$ -
Schedule Variance ^(SV) (SV=EV-PV)	\$ (113,058)
Cost Performance Index ^(CPI) (CPI=EV/AC)	1.00
Schedule Performance Index ^(SPI) (SPI=EV/PV)	0.99
Cost /Schedule Index ^(CSI) (CSI=CPI x SPI)	0.99
Estimate at Completion ^(EAC1) (EAC1=BAC/CPI)	\$ 7,959,691.98
Variance at Completion ^(VAC1) (VAC1=BAC-EAC1)	\$ -

Task 1	Program Management Plan/Progress
	<ul style="list-style-type: none"> No Activity.

Task 1	Program Management Challenges
	<ul style="list-style-type: none"> The PSC issued the Notice of Proceeding on the MWW PSC CA Application and several parties have intervened. The testimony and hearing schedule proposed by PSC staff shows the commissioners making a decision in early September 2020. This could delay bidding for Oklahoma Pumping Station. Plan Commission Approval for the BPS and Storage Facilities in New Berlin has required more effort than anticipated.



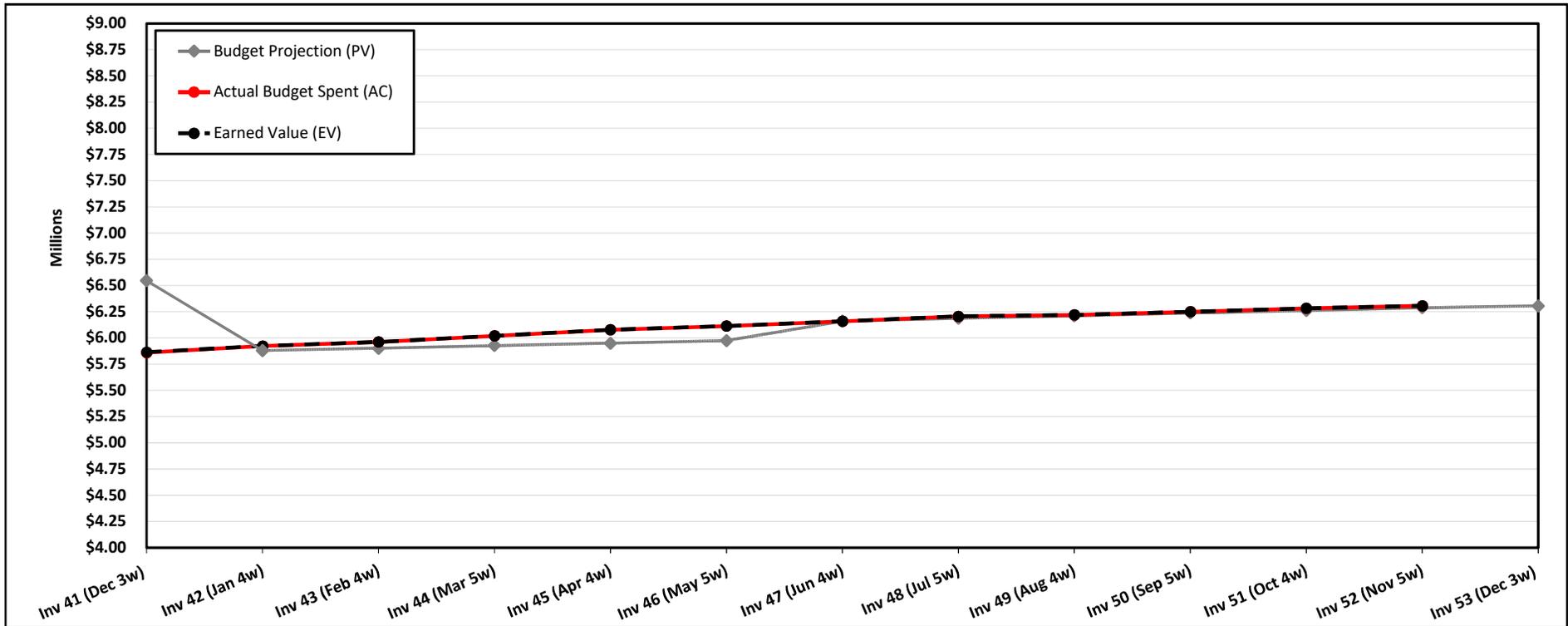
Earned Value Calculations	
Budget at completion ^(BAC) (BAC)	\$ 5,045,241
Estimate to Complete ^(ETC1) (ETC1=EAC1-AC)	\$ 35,293
Cost Variance ^(CV) (CV=EV-AC)	\$ 48,858
Schedule Variance ^(SV) (SV=EV-PV)	\$ (179,188)
Cost Performance Index ^(CPI) (CPI=EV/AC)	1.01
Schedule Performance Index ^(SPI) (SPI=EV/PV)	0.97
Cost /Schedule Index ^(CSI) (CSI=CPI x SPI)	0.97
Estimate at Completion ^(EAC1) (EAC1=BAC/CPI)	\$ 4,996,035.49
Variance at Completion ^(VAC1) (VAC1=BAC-EAC1)	\$ 49,205.63

Task 2 Programmatic Support Services Plan/Progress

- Continued to manage the Stakeholder Database to better communicate with key constituents along the route.
- Reviewed contractor outreach orientation deck.
- Reviewed documents for groundbreaking.
- Participated in prep meetings for open house, participated in open house for New Berlin and debrief after open house with neighborhood residents to discuss project and schedule.
- Planned for Muskego open house.
- Designed, developed and distributed the November E-Newsletter.
- Created Online Media Kit for local officials and media contacts.

Task 2 Programmatic Support Services Challenges

- Negative public perception of the Booster Pumping Station site has affected the New Berlin Plan Commission approval regarding amending the Future Land Use Map within the City's Comprehensive Plan and rezoning of the Booster Pumping Station and has required additional PSS support.



Note: The Task 3 amount for Invoice 5 was reported incorrectly in the previous version of this Report. The correct cumulative amount is \$263.96 lower.
The Task 3 Budget at completion amount was revised to reflect Task Authorizations and contract amendments

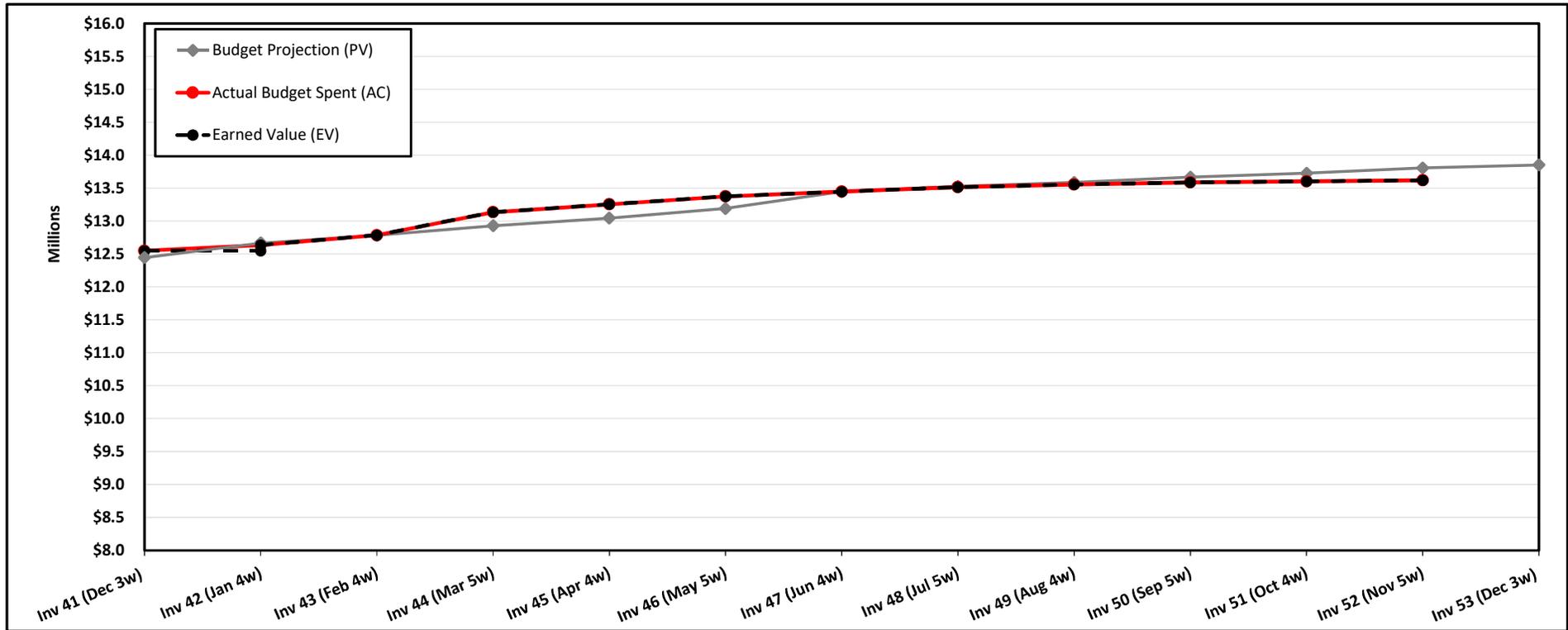
Earned Value Calculations	
Budget at completion ^{(BAC(1))} (BAC)	\$ 6,311,914
Estimate to Complete ^(ETC1) (ETC1=EAC1-AC)	\$ 5,241
Cost Variance ^(CV) (CV=EV-AC)	\$ -
Schedule Variance ^(SV) (SV=EV-PV)	\$ 17,025
Cost Performance Index ^(CPI) (CPI=EV/AC)	1.00
Schedule Performance Index ^(SPI) (SPI=EV/PV)	1.00
Cost /Schedule Index ^(CSI) (CSI=CPI x SPI)	1.00
Estimate at Completion ^(EAC1) (EAC1=BAC/CPI)	\$ 6,311,913.56
Variance at Completion ^(VAC1) (VAC1=BAC-EAC1)	\$ -

Task 3 Permitting Plan/Progress

- Continued to work on Diversion document and responding to WDNR comments.
- Continued to work on habitat and fish sampling logistics.
- Submitted Final Root River Monitoring Plan outline to WWU.
- Continued chloride reduction program.
- Continued mercury sampling.

Task 3 Permitting Challenges

- Extended agency review timelines may delay bidding.

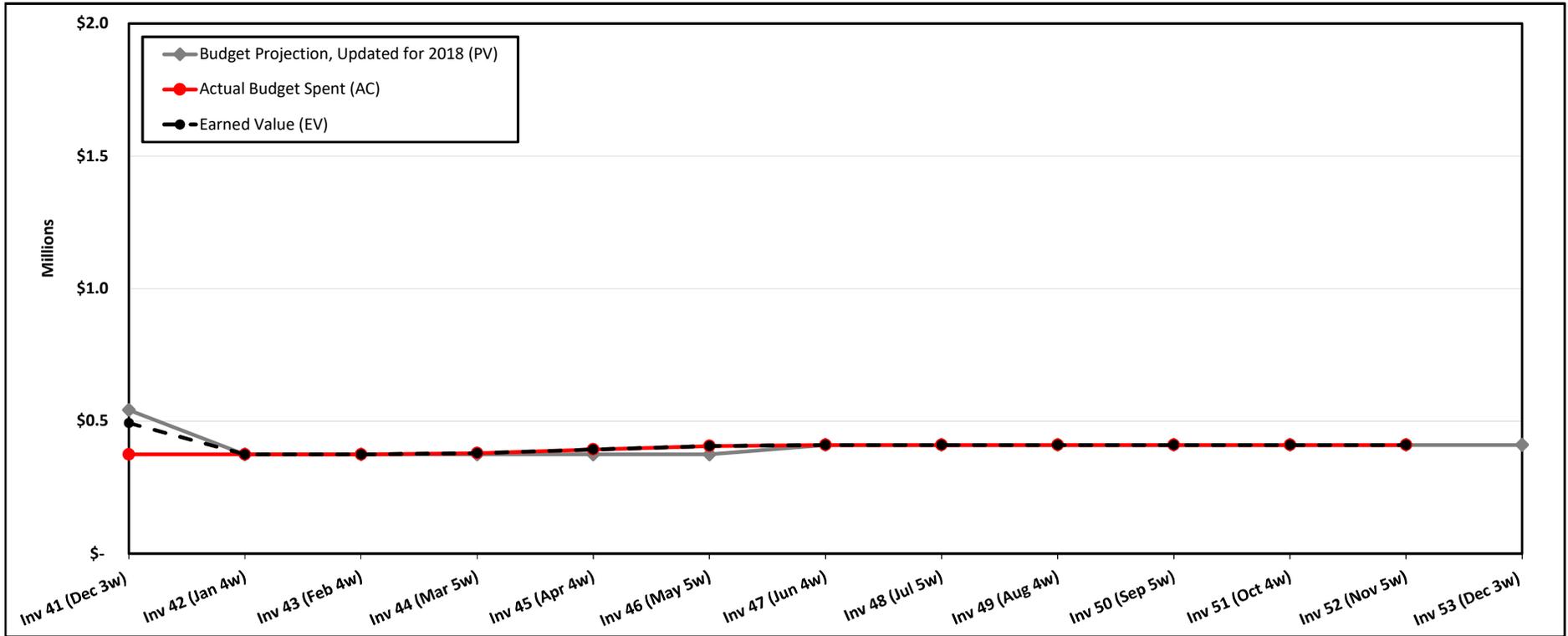


Note: The Task 4 Budget at completion amount was revised to reflect Task Authorizations and contract amendments

Earned Value Calculations	
Budget at completion ^(BAC) (BAC)	\$ 13,847,727
Estimate to Complete ^(ETC1) (ETC1=EAC1-AC)	\$ 227,150
Cost Variance ^(CV) (CV=EV-AC)	\$ -
Schedule Variance ^(SV) (SV=EV-PV)	\$ (185,433)
Cost Performance Index ^(CPI) (CPI=EV/AC)	1.00
Schedule Performance Index ^(SPI) (SPI=EV/PV)	0.99
Cost /Schedule Index ^(CSI) (CSI=CPI x SPI)	0.99
Estimate at Completion ^(EAC1) (EAC1=BAC/CPI)	\$ 13,847,727.11
Variance at Completion ^(VAC1) (VAC1=BAC-EAC1)	\$ -

Task 4 Route Study and Pipeline Plan/Progress
<ul style="list-style-type: none"> No Activity.

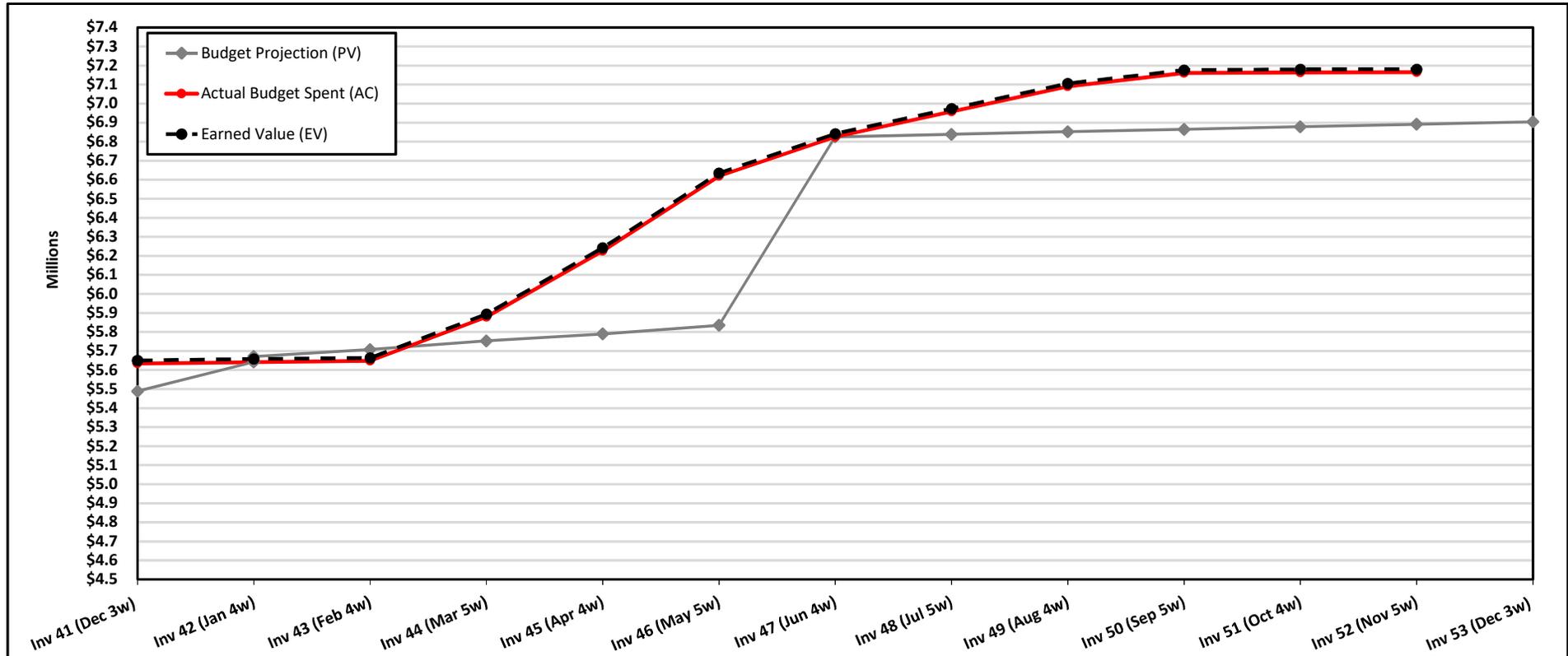
Task 4 Route Study and Pipeline Challenges
<ul style="list-style-type: none"> The acquisition process for currently identified easements is in progress. Additional easements will impact the Program schedule.



Earned Value Calculations	
Budget at completion ^{(BAC)(1)} (BAC)	\$ 409,301
Estimate to Complete ^(ETC1) (ETC1=EAC1-AC)	\$ (598)
Cost Variance ^(CV) (CV=EV-AC)	\$ -
Schedule Variance ^(SV) (SV=EV-PV)	\$ -
Cost Performance Index ^(CPI) (CPI=EV/AC)	1.00
Schedule Performance Index ^(SPI) (SPI=EV/PV)	1.00
Cost /Schedule Index ^(CSI) (CSI=CPI x SPI)	1.00
Estimate at Completion ^(EAC1) (EAC1=BAC/CPI)	\$ 409,300.73
Variance at Completion ^(VAC1) (VAC1=BAC-EAC1)	\$ -

Task 5 Distribution System Plan/Progress
<ul style="list-style-type: none"> No Activity.

Task 5 Distribution System Challenges
<ul style="list-style-type: none"> No Challenges



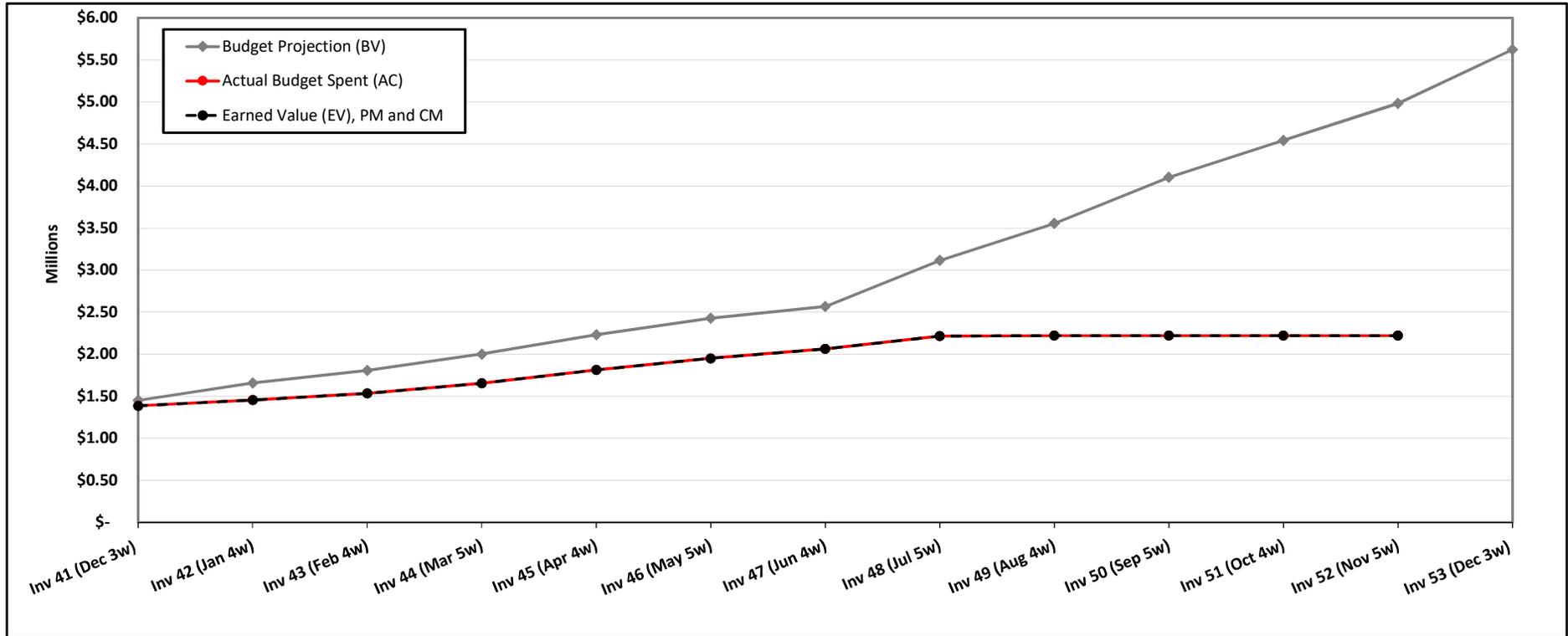
Earned Value Calculations	
Budget at completion ^{(BAC)(1)} (BAC)	\$ 6,905,080
Estimate to Complete ^(ETC1) (ETC1=EAC1-AC)	\$ (275,244)
Cost Variance ^(CV) (CV=EV-AC)	\$ 15,583
Schedule Variance ^(SV) (SV=EV-PV)	\$ 289,623
Cost Performance Index ^(CPI) (CPI=EV/AC)	1.00
Schedule Performance Index ^(SPI) (SPI=EV/PV)	1.04
Cost /Schedule Index ^(CSI) (CSI=CPI x SPI)	1.04
Estimate at Completion ^(EAC1) (EAC1=BAC/CPI)	\$ 6,890,095.38
Variance at Completion ^(VAC1) (VAC1=BAC-EAC1)	\$ 14,984.53

Task 6 Pump Stations, Storage and Chemical Treatment Plan/Progress

- Continue coordination with MWW on the design for the Oklahoma Pumping Station (OPS).

Task 6 Pump Stations, Storage and Chemical Treatment Challenges

- City of New Berlin denied amending the Future Land Use Map within the City's Comprehensive Plan and rezoning of the Booster Pumping Station. New conditional use approval has been submitted to the City of New Berlin. Public hearing occurred on November 4, 2019 and voting on December 2, 2019. Legal proceedings have been pursued against the City of New Berlin. A contract amendment is required to redesign the BPS Site and will be approved at the June Waukesha Water Utility Commission Meeting.



Earned Value Calculations	
Budget at completion ^{(BAC(1))} (BAC)	\$ 4,882,169
Estimate to Complete ^(ETC1) (ETC1=EAC1-AC)	\$ 4,738,688
Cost Variance ^(CV) (CV=EV-AC)	\$ 0
Schedule Variance (SV) (SV=EV-PV)	\$ (130,263)
Cost Performance Index ^(CPI) (CPI=EV/AC)	1.00
Schedule Performance Index ^(SPI) (SPI=EV/PV)	0.52
Cost /Schedule Index ^(CSI) (CSI=CPI x SPI)	0.52
Estimate at Completion ^(EAC1) (EAC1=BAC/CPI)	\$ 4,882,167.01
Variance at Completion ^(VAC1) (VAC1=BAC-EAC1)	\$ 1.51

Task 7 Construction and Construction Management Plan/Progress

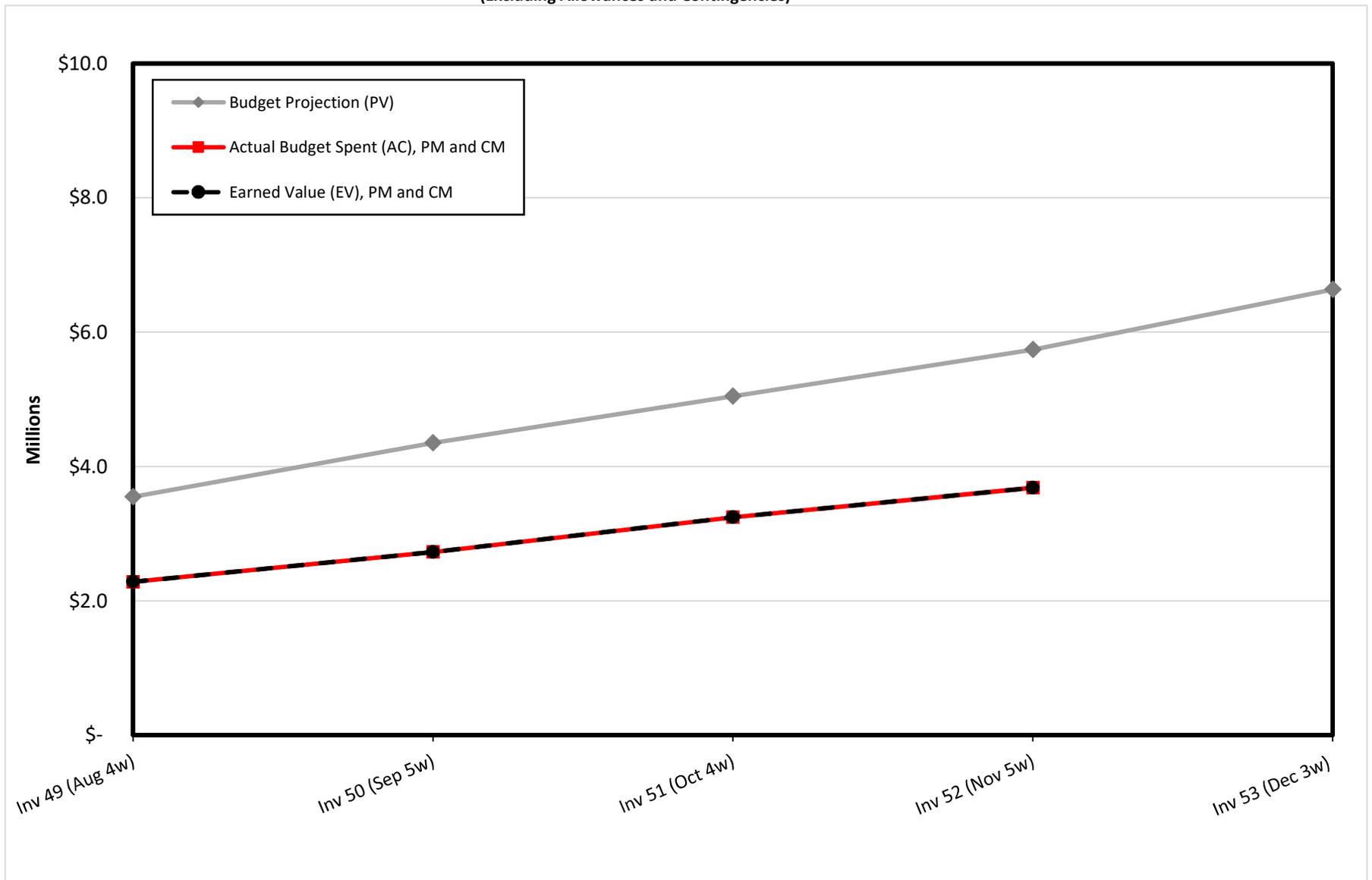
- No Activity.

Task 7 Construction and Construction Management Challenges

- No Activity.



Great Lakes Water Supply Program PM/CM
Program
Earned Value Chart
Phase 3 (Invoice No. 52)
(Excluding Allowances and Contingencies)



% Spent 55.5%
Actual Budget Spent \$3,683,067

Schedule Performance Index (SPI) 0.64
Cost Performance Index (CPI) 1.00

Note: Budget associated with Task 3-300, 5-200 and 5-300 water quality scope has been removed.