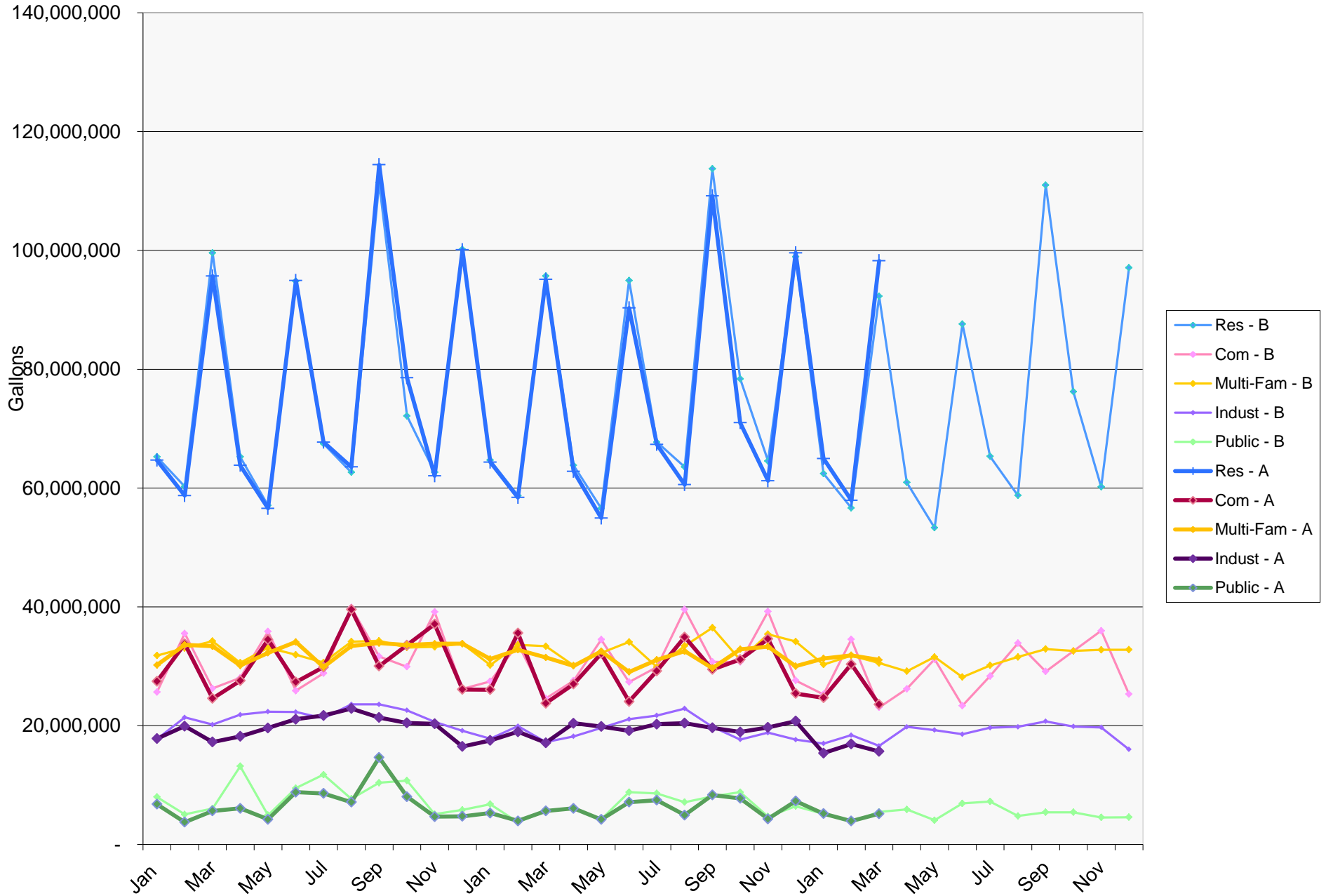


**WAUKESHA WATER UTILITY
STATEMENT OF REVENUES & EXPENSES
MONTH ENDED 3/31/2018**

	CURRENT MONTH				YEAR TO DATE				ANNUAL BUDGET
	ACTUAL'18	BUDGET'18	VARIANCE	%	ACTUAL'18	BUDGET'18	VARIANCE	%	
OPERATING REVENUES:									
Residential	\$537,672.59	\$523,365.44	\$14,307.15	2.73	\$1,186,170.84	\$1,195,342.20	(\$9,171.36)	(0.77)	\$4,935,965.56
Commercial	99,092.91	100,109.95	(1,017.04)	(1.02)	327,765.11	359,404.07	(31,638.96)	(8.80)	1,511,321.72
Industrial	53,924.67	58,227.32	(4,302.65)	(7.39)	165,885.26	183,444.66	(17,559.40)	(9.57)	790,195.60
Public	21,796.06	23,085.45	(1,289.39)	(5.59)	60,023.61	61,668.61	(1,645.00)	(2.67)	302,092.85
Multi Family	127,657.90	130,232.60	(2,574.70)	(1.98)	385,587.20	401,636.73	(16,049.53)	(4.00)	1,618,382.44
Irrigation	508.30	0.00	508.30	0.00	1,972.48	0.00	1,972.48	0.00	0.00
Total Metered Sales	<u>\$840,652.43</u>	<u>\$835,020.76</u>	<u>\$5,631.67</u>	<u>0.67</u>	<u>\$2,127,404.50</u>	<u>\$2,201,496.27</u>	<u>(\$74,091.77)</u>	<u>(3.37)</u>	<u>\$9,157,958.17</u>
Private Fire Capacity	\$19,316.78	\$17,671.68	\$1,645.10	9.31	\$57,063.47	\$55,909.58	\$1,153.89	2.06	\$222,476.02
Public Fire Capacity	212,183.91	211,380.48	803.43	0.38	501,089.39	529,204.04	(28,114.65)	(5.31)	2,113,211.26
Other Operating Revenues	<u>(587,652.44)</u>	<u>27,486.95</u>	<u>(615,139.39)</u>	<u>(2,237.93)</u>	<u>(536,468.89)</u>	<u>81,912.19</u>	<u>(618,381.08)</u>	<u>(754.93)</u>	<u>473,981.97</u>
TOTAL OPERATING REVENUES	<u>\$484,500.68</u>	<u>\$1,091,559.87</u>	<u>(\$607,059.19)</u>	<u>(55.61)</u>	<u>\$2,149,088.47</u>	<u>\$2,868,522.08</u>	<u>(\$719,433.61)</u>	<u>(25.08)</u>	<u>\$11,967,627.42</u>
OPERATING EXPENSES:									
Source	\$50,404.85	\$50,778.77	(\$373.92)	(0.74)	\$150,849.30	\$152,336.31	(\$1,487.01)	(0.98)	\$680,345.28
Pumping	69,113.74	84,251.19	(15,137.45)	(17.97)	239,441.63	268,012.62	(28,570.99)	(10.66)	1,071,398.85
Treatment	50,594.20	56,890.66	(6,296.46)	(11.07)	98,788.06	122,671.98	(23,883.92)	(19.47)	491,137.92
Distribution	100,022.89	94,592.86	5,430.03	5.74	301,601.00	276,329.08	25,271.92	9.15	1,337,137.56
Customer Service	11,689.47	9,168.33	2,521.14	27.50	48,204.98	27,316.99	20,887.99	76.47	127,755.52
Administrative	123,886.51	153,115.00	(29,228.49)	(19.09)	454,940.21	461,201.41	(6,261.20)	(1.36)	1,584,571.00
Total	<u>\$405,711.66</u>	<u>\$448,796.81</u>	<u>(43,085.15)</u>	<u>(9.60)</u>	<u>\$1,293,825.18</u>	<u>\$1,307,868.39</u>	<u>(14,043.21)</u>	<u>(1.07)</u>	<u>\$5,292,346.13</u>
MANAGERS' MARGIN	<u>78,789.02</u>	<u>642,763.06</u>	<u>(563,974.04)</u>	<u>(87.74)</u>	<u>855,263.29</u>	<u>1,560,653.69</u>	<u>(\$705,390.40)</u>	<u>(45.20)</u>	<u>6,675,281.29</u>
Depreciation	152,047.60	152,003.45	44.15	0.03	458,983.19	456,010.35	2,972.84	0.65	1,824,041.40
Tax Equivalent	153,174.20	153,174.20	0.00	0.00	459,522.60	459,522.60	0.00	0.00	1,838,090.40
Other Taxes	12,087.16	12,124.45	(37.29)	(0.31)	38,639.63	36,373.35	2,266.28	6.23	158,227.20
TOTAL OPERATING EXPENSES	<u>\$723,020.62</u>	<u>\$766,098.91</u>	<u>(43,078.29)</u>	<u>(5.62)</u>	<u>\$2,250,970.60</u>	<u>\$2,259,774.69</u>	<u>(\$8,804.09)</u>	<u>(0.39)</u>	<u>\$9,112,705.13</u>
TOTAL OPERATING INCOME(LOSS)	<u>(\$238,519.94)</u>	<u>\$325,460.96</u>	<u>(\$563,980.90)</u>	<u>(173.29)</u>	<u>(\$101,882.13)</u>	<u>\$608,747.39</u>	<u>(\$710,629.52)</u>	<u>(116.74)</u>	<u>\$2,854,922.29</u>
NON OPERATING INCOME&(EXPENSE)	<u>(144,110.71)</u>	<u>(196,059.79)</u>	<u>51,949.08</u>	<u>(26.50)</u>	<u>(276,073.44)</u>	<u>(414,236.23)</u>	<u>138,162.79</u>	<u>(33.35)</u>	<u>(467,892.24)</u>
NET INCOME(LOSS)	<u>(\$382,630.65)</u>	<u>\$129,401.17</u>	<u>(\$512,031.82)</u>	<u>(395.69)</u>	<u>(\$377,955.57)</u>	<u>\$194,511.16</u>	<u>(\$572,466.73)</u>	<u>(294.31)</u>	<u>\$2,387,030.05</u>

WWU
Billed Gallons
Actual v Budget
2016 - 2018



**WAUKESHA WATER UTILITY
BALANCE SHEET
3/31/2018**

<u>ASSETS</u>	<u>THIS YEAR</u>
CURRENT	
CASH AND INVESTMENTS	\$22,655,955.88
ACCOUNTS RECEIVABLE	4,942,947.28
RECEIVABLE FROM SEWER REIMB	24,363.57
MATERIALS & SUPPLIES	579,117.04
OTHER CURRENT ASSETS	0.00
ACCRUED UTILITY REVENUE	0.00
TOTAL CURRENT ASSETS	<u>\$28,202,383.77</u>
DEFERRED	
DEFERRED ASSETS	\$19,645,401.84
TOTAL DEFERRED DEBITS	<u>19,645,401.84</u>
RESTRICTED	
DEBT PAYMENT ACCOUNT	\$743,007.90
DEBT RESERVE ACCOUNT	476,136.39
CONSTRUCTION FUND	147.60
TAX EQUIV RESERVE ACCOUNT	1,073,825.26
TOTAL RESTRICTED FUNDS	<u>\$2,293,117.15</u>
LONG TERM	
UTILITY PLANT IN SERVICE-NET	\$91,368,869.40
PROPERTY HELD FOR FUTURE USE	435,089.69
CONSTRUCTION WORK IN PROGRESS	363,459.76
RESTRICTED NET PENSION	(120,942.00)
TOTAL UTILITY PLANT	<u>\$92,046,476.85</u>
TOTAL ASSETS	<u><u>\$142,187,379.61</u></u>
 LIABILITIES	
CURRENT	
CUR PORTION BOND	660,134.14
NOTES PAYABLE	27,285,000.00
ACCOUNTS PAYABLE	1,388,566.45
PAYABLE TO OTHER FUNDS	2,752,548.90
CUSTOMER DEPOSITS	187,178.16
A/P MISCELLANEOUS	0.00
TAXES ACCRUED	1,066,596.00
INTEREST ACCRUED	347,049.54
EMPLOYEE WITHHOLDING	8,998.00
ACCRUED PAYROLL	42,480.00
ACCRUED VACATION	236,087.81
TOTAL CURRENT LIABILITIES	<u>\$33,974,639.00</u>
DEFERRED CREDITS	
CUSTOMER ADVANCES CONSTRUCTION	\$0.00
REGULATORY LIABILITY	1,098,858.14
OPEB LIABILITY	3,938,157.00
OTHER DEFERRED CREDITS	2,977,929.57
TOTAL DEFERRED CREDITS	<u>\$8,014,944.71</u>
LONG-TERM	
BONDS	\$27,518,907.51
 EQUITY	
CAPITAL PAID IN BY MUNICIPALITY	\$2,669,743.20
EQUITY FINANCED BY UTILITY	36,520,472.56
EQUITY FROM CONTRIBUTIONS	33,170,671.20
RESTRICTED EQUITY	695,957.00
NET PROFIT (LOSS)	(377,955.57)
TOTAL EQUITY	<u>\$72,678,888.39</u>
TOTAL EQUITY AND LIABILITIES	<u><u>\$142,187,379.61</u></u>

**WAUKESHA WATER UTILITY
STATEMENT OF SOURCES AND USES OF CASH
PERIOD ENDING MARCH 31, 2018**

Cash Balance - February 28, 2018

\$27,949,357

SOURCES:

Operations:

Customers - water sales	\$780,503
Waste Water Utility - joint metering billing	54,083
Rent of utility property - cellular leases	12,028
Receipts on sewer bills	964,384
Other - miscellaneous	16,493
Total Cash From Operating Activities	\$1,827,492

Capital and Related Financing Activities:

Grants	
Contributions	8,260
Issuance of long-term debt	
Sale of short-term debt	
Interest income	35,549
Total Cash From Capital/ Investing Activities	\$43,809

Total Cash Receipts

\$1,871,301

USES:

Salaries, wages, payroll taxes and benefits	\$340,934
Subcontracted and outside services	38,956
Disbursement to city for sewer transfer	2,296,150
Pumping power	63,336
Purchase of materials and supplies	103,513
Tax equivalent - PILOT	597,876
Acquisition of capital assets	929,308
Debt service - principal	
Debt service - interest	501,511
Total Cash Used	\$4,871,584

Net Change in Cash

(\$3,000,284)

Cash Balance - March 31, 2018

\$24,949,073

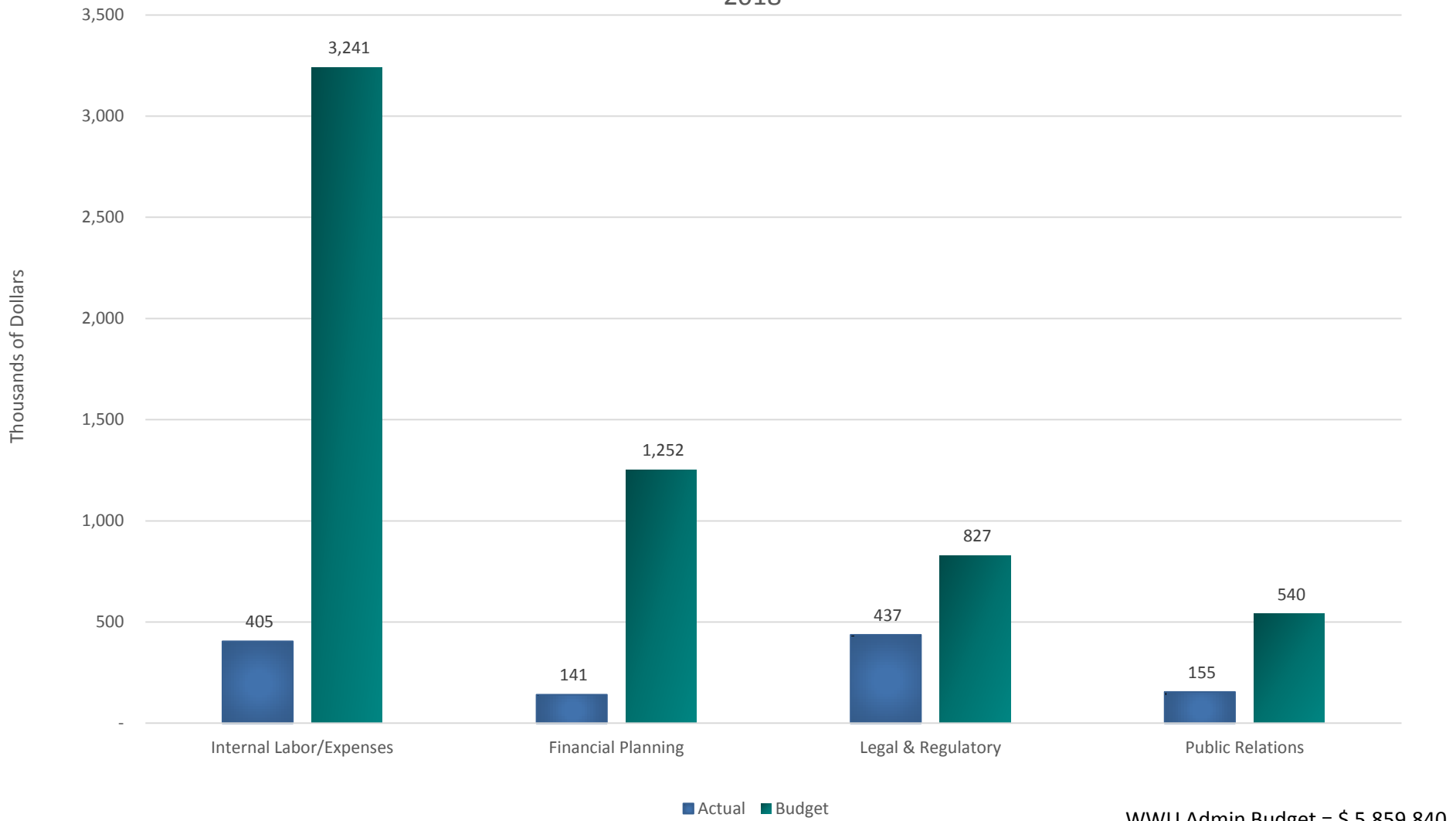
WWU
TRANSMISSION AND DISTRIBUTION
BUDGET VARIANCE ANALYSIS

Project	Project #	Description/Location	Budget	Current Estimate	PJC Total	Aldermanic District		Construction Completion
WM offsets from WSB from Genesee Road to Fiddlers Creek Drive	M00501	Water Main offsets to accommodate changes in the storm sewer and roadway alignments. Project run by WDOT.		\$ 198,512	\$ 13,514	6	Jack Wells	Summer 2019
						7	Daniel J. Manion	
						13	Dean Lemke	
						14	Bill Boyle	
Northview Rd - Grandview to Tallgrass	M00518	Replace 1,500 feet of 8-inch main from 1967 with 12-inch PVC water main on Northview Rd. between Grandview and Tallgrass. Project done with City.		\$ 360,504	\$ 23,443	5	Peter Bartels	September 2018
						14	Bill Boyle	
South St - Grand to Barstow and Gaspar St - Main to Broadway	M00519	Replace 720 feet of 12-inch main from 1938 with 12-inch ductile iron main on South St. from Grand to Barstow. Replace 280 feet of 6-inch main from 1909 with 8-inch ductile iron. Project done with City.		\$ 395,176	\$ 29,482	11	Erik Helgestad	July 2018
Fairview - Motor to St Paul and Motor - Fairview to Washington	M00520	Replace 1,540 feet of 6-inch from 1927 with 8-inch PVC on Fairview - Motor to St. Paul and Motor - Fairview to Washington. Project done with City.		\$ 304,562	\$ 4,667	2	Eric Payne	September 2018
Oakmont to Pebble Valley Zone	TBD	Extend 12" water main through easement connecting Pebble Valley and Oakmont.		\$ 325,000	\$ -	14	Bill Boyle	December 2018
<i>Routine Projects</i>			\$ 2,160,072	\$ 1,583,753	\$ 71,105			
<i>Misc Routine</i>			\$ 905,584	\$ 905,584	\$ 905,584			
<i>Total Routine</i>			\$ 3,065,656	\$ 2,489,337	\$ 976,689			
Main St - Barstow to Lombardi	GLCD0007	Replace 2,800 feet of 8-inch from 1909 with 24-inch ductile iron on Main St. from Barstow to Lombardi. Project being done with City sanitary.		\$ 1,936,571	\$ 32,131	3	Cassie Rodriguez	October 2018
						11	Erik Helgestad	
N Moreland - Michigan to Summit	GLCD0009	Replace 2,000 feet of 8-inch from 1957 with 16-inch ductile iron main on N. Moreland Blvd. from Michigan to Summit.		\$ 1,266,001	\$ 14,520	4	Joe Pieper	October 2018
						15	Cory Payne	
Motor - Fairview to Mountain and Fairview - Motor to Dopp	GLCD0010	Replace 1,160 feet of 6-inch from 1917 with 20-inch ductile iron on Motor - Fairview to Mountain and Fairview - Motor to Dopp. Project done with City.		\$ 347,462	\$ 12,154	2	Eric Payne	September 2018
<i>Distribution System Improvements</i>			\$ 4,001,241	\$ 3,550,034	\$ 58,805			
Total Transmission & Distribution			\$ 7,066,897	\$ 6,039,372	\$ 1,035,494			

Bold Totals are Based on Bids



Future Water Supply WWU Admin Sub Costs 2018



Monthly Interim Report
Waukesha Water Utility
Future Water Supply

April 16, 2018

This update is solely intended for the use of Waukesha Water Utility's internal management and for Waukesha Water Utility's discussions with the Owner's Engineer and Contractor. The update is not intended to be and should not be used by any other parties without prior written consent from Baker Tilly Virchow Krause, LLP



Summary of Significant Events

Scope and Objectives

Waukesha Water Utility (“WWU” or “Owner”) engaged Baker Tilly Virchow Krause, LLP (Baker Tilly, “we” or “our”) to perform construction audit services on the Future Water Supply project. Greeley and Hansen (“GH” or “PM/CM”) is the Program Manager and Construction Manager engaged by the Owner.

The primary objective of this engagement is to verify whether project expenditures billed to Waukesha Water Utility are adequately supported, verifiable and appropriately allocated to the project.

Current Period Significant Events

This section of the monthly interim report summarizes Audit Issues and Requests for Information during the current period. The project-to-date Audit Issues (AI) and Request for Information (RFI) logs are included as attachments with this document.

Current Period Audit Issues

During the current period, we reviewed Invoice No. 19 from Greeley and Hansen. Reimbursable Direct Costs (RDCs) from CH2M reflected a duplicate charge for gas. A credit totaling \$32.84 will be included on Greeley and Hansen Invoice No. 20 (AI-008).

Additionally, Waukesha Water Utility elected to amend the Greeley and Hansen PM/CM contract and award the Construction Manager (CM) scope to Black & Veatch.

Current Period Request for Information

RFI Nos. 20 and 21 related to Greeley and Hansen RDCs and Ayres mileage charges, which remained open from the prior audit period, were closed.

There were two new RFI’s during the current period.

- RFI-022 – Documentation was requested to validate PSI RDCs totaling \$2,500
- RFI-023 – We requested additional support for Ayres mileage charges on Invoice No. 19.

These requests were submitted to Greeley and Hansen on April 9, 2018 and were resolved on April 13, 2018.



Exhibit 5 – Earned Value Analysis



Earned Value Analysis

The Earned Value (EV) technique is being used to monitor the Program scope, schedule and cost, and to assess overall Program performance. The components of EV are the work breakdown structure, the schedule and the estimated costs. By connecting these components, future Program performance can be predicted and proactive actions can be taken to stay on track.

The work breakdown structure is a grouping of Program elements that define and organize the scope of the Program. For this Program, the work breakdown structure is defined by the Task and subtask activities, deliverables, meetings and workshops. An estimated cost, or Planned Value (PV), duration and interdependencies are assigned to the Task and subtask activities, deliverables, meetings and workshop. A PV cumulative cost curve is used to identify the value at any point in time of the work that is planned to be done.

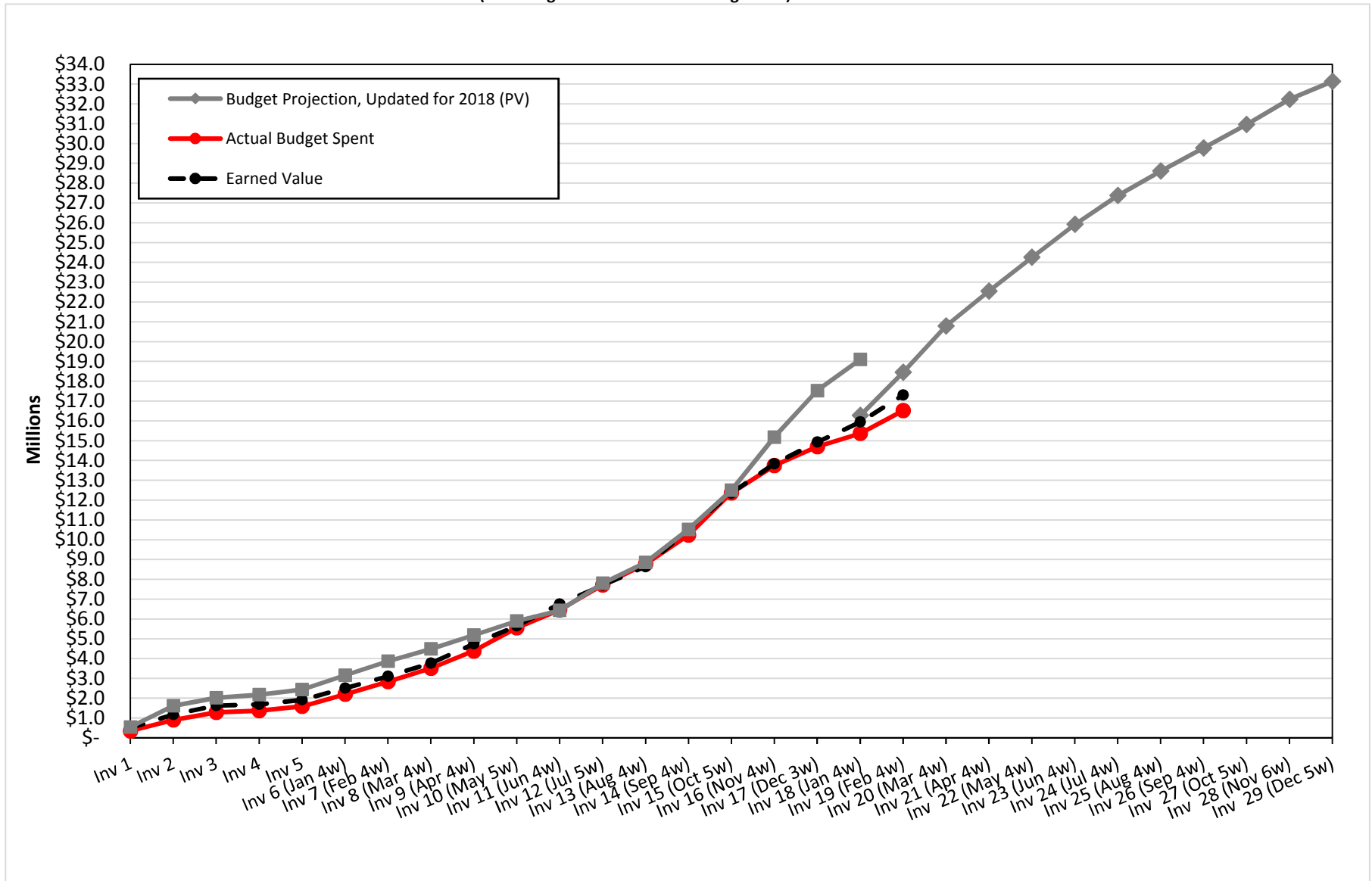
On a monthly basis, the value of the work completed as a percentage of the PV is determined by the Program Manager and defines the EV which is shown on the cumulative cost curve. The monthly Program invoices define the Actual Costs (AC) which are also shown on the cumulative cost curve. Using the cumulative cost curves developed for the overall Program and each Task, the Schedule Performance Index (SPI) and the Cost Performance Index (CPI) are calculated. SPI is calculated by dividing EV by PV. The CPI is calculated by dividing EV by AC.

At the December 2017 Commission Meeting, the WWU Commission approved the 2018 Milwaukee Route Study for \$1,345,565 and the Phase 2 2018 budget of \$13,999,908. The remaining budget for Task 3-300 and 5-200 water quality scope in the amount of \$691,441 has been removed from the Program Approved Total amount of \$34,242,960.

The 2018 budgets approved by the Commission in December 2017 have been added to the Earned Value charts in this Exhibit. The Earned Value charts have been updated to reflect the planned expenditure of the 2018 budgets for each Task through December 2018.

The work progress and challenges for each Task are noted on the following graphs.

Great Lakes Water Supply Program PM/CM
Program
Earned Value Chart
Phase 1 and 2
 (Excluding Allowances and Contingencies)



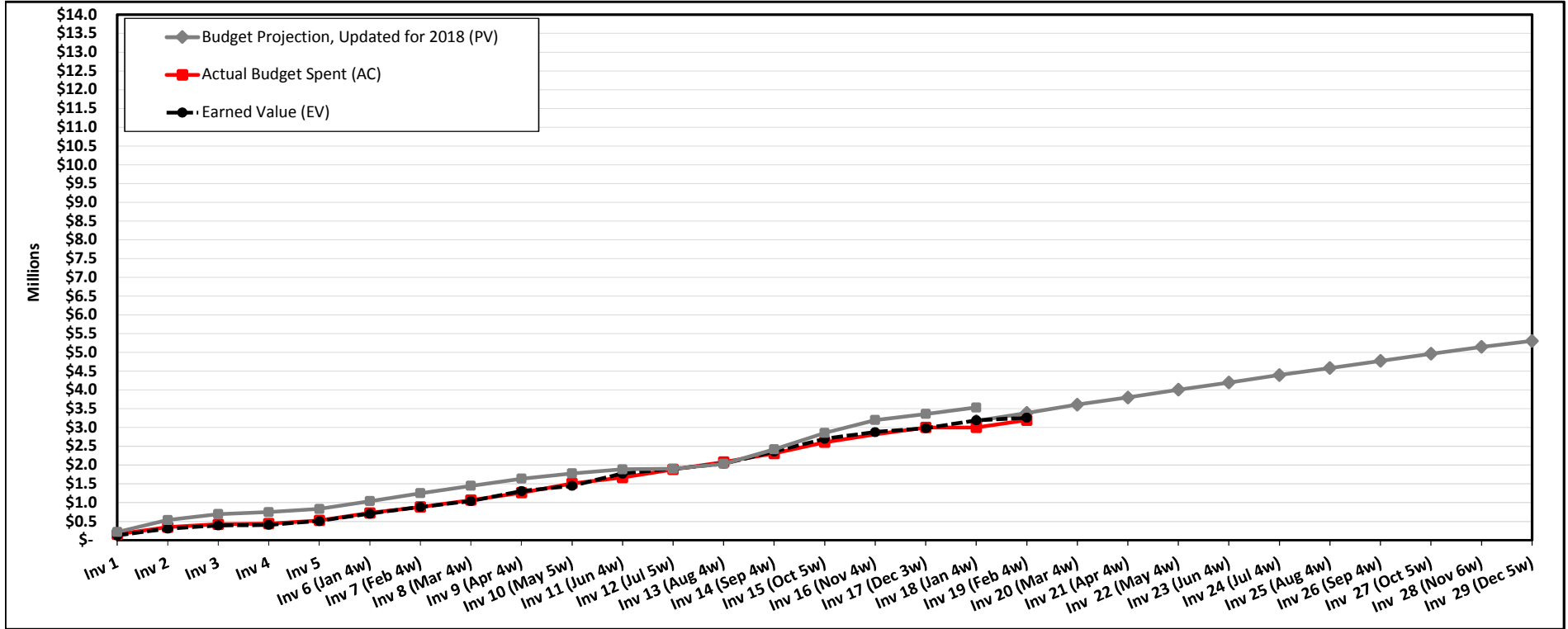
% Spent 49.6%

Actual Budget Spent \$16,518,124

Schedule Performance Index (SPI) 0.94

Cost Performance Index (CPI) 1.05

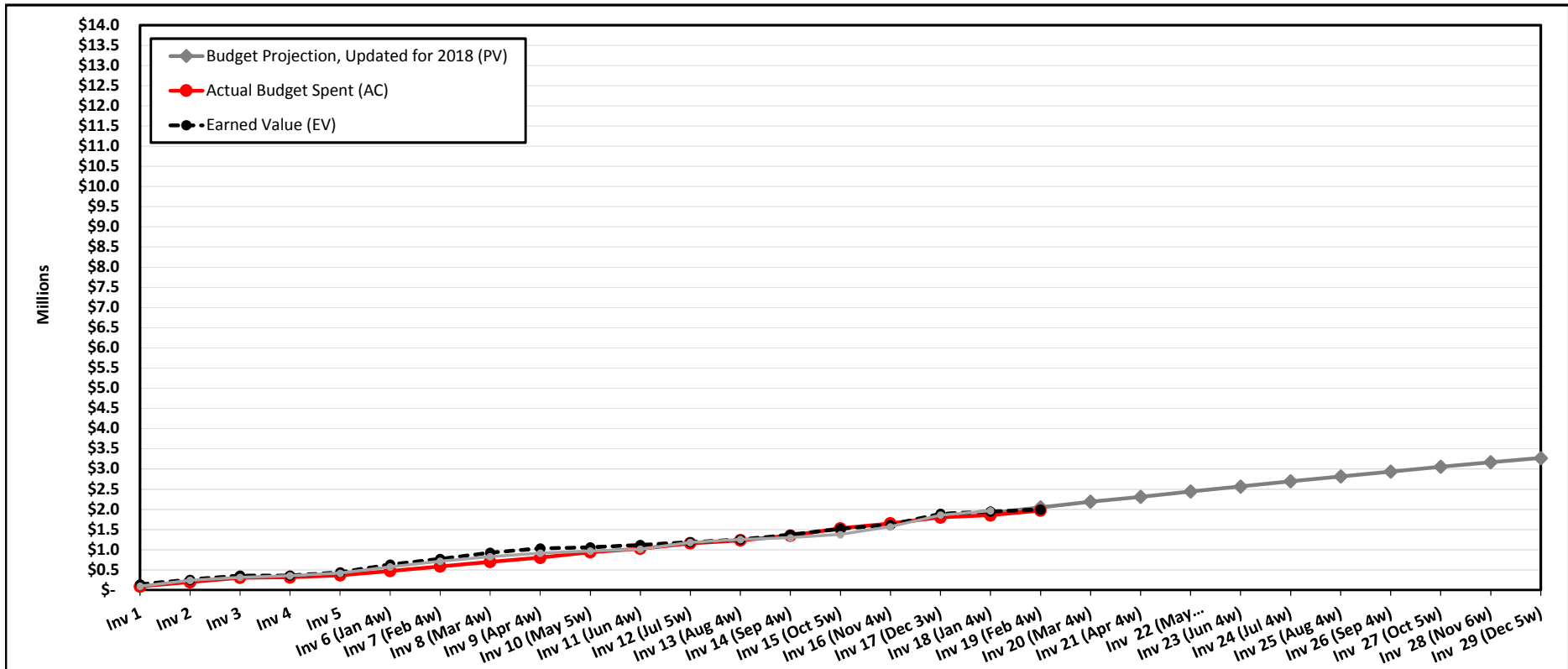
Note: Budget associated with Task 3-300, 5-200 and 5-300 water quality scope has been removed.



Earned Value Calculations	
Budget at Completion ^{(BAC)(1)} (BAC)	\$ 5,390,965
Estimate to Complete ^(ETC1) (ETC1=EAC1-AC)	\$ 2,086,227
Cost Variance ^(CV) (CV=EV-AC)	\$ 66,174
Schedule Variance ^(SV) (SV=EV-PV)	\$ (131,116)
Cost Performance Index ^(CPI) (CPI=EV/AC)	1.02
Schedule Performance Index ^(SPI) (SPI=EV/PV)	0.96
Cost /Schedule Index ^(CSI) (CSI=CPI x SPI)	0.98
Estimate at Completion ^(EAC1) (EAC1=BAC/CPI)	\$ 5,281,586.69
Variance at Completion ^(VAC1) (VAC1=BAC-EAC1)	\$ 109,378.31

Task 1	Program Management Plan/Progress
	<ul style="list-style-type: none"> Performed QM review of the Environmental Impact Report (EIR) Prepared and submitted Invoice No. 18. Updated the Financial Management Dashboard and Report for Invoice 18. Held six (6) Program Team Task 1 meetings.

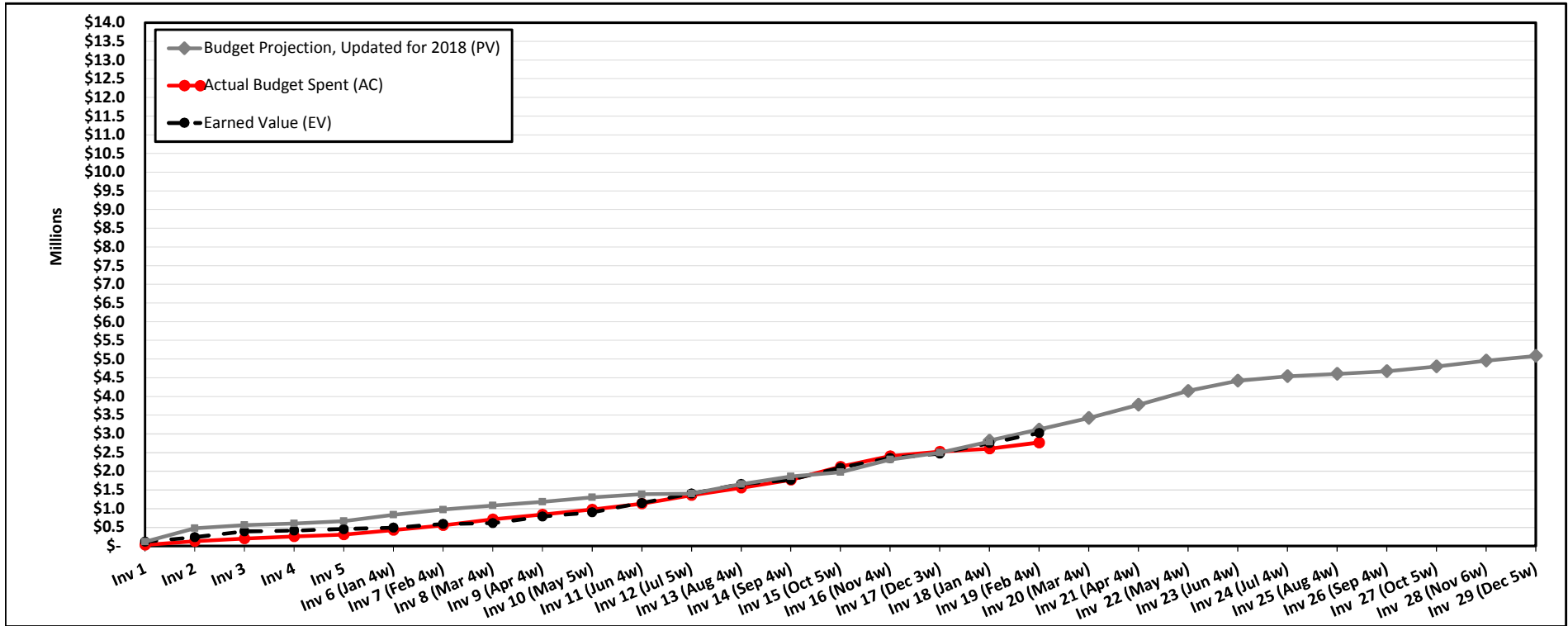
Task 1	Program Management Challenges
	<ul style="list-style-type: none"> The Program Open House in Milwaukee originally planned to occur in February 2018 has been scheduled for April 4. Delay in the scheduling of the Open House meeting negatively impacts the Program schedule for completion of field investigations that are needed for submission of the PSC Construction Authorization and the Preliminary Design Report which are critical path items for the design, bidding and construction of the Program.



Earned Value Calculations	
Budget at completion ^(BAC) (BAC)	\$ 3,325,716
Estimate to Complete ^(ETC1) (ETC1=EAC1-AC)	\$ 1,313,309
Cost Variance ^(CV) (CV=EV-AC)	\$ 25,467
Schedule Variance ^(SV) (SV=EV-PV)	\$ (55,458)
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)	0.99
Estimate at Completion ^(EAC1) (EAC1=BAC/CPI)	\$ 3,283,271.62
Variance at Completion ^(VAC1) (VAC1=BAC-EAC1)	\$ 42,444.38

Task 2 Programmatic Support Services Plan/Progress
<ul style="list-style-type: none"> Held Open Houses in Greenfield, West Allis, and New Berlin to support the Milwaukee Route Study. Held seven (7) Program team Task 2 meetings. Developed the Draft Program 2018 Program Advertising Plan. Developing Contractor Outreach including bidder's awareness campaign.

Task 2 Programmatic Support Services Challenges
<ul style="list-style-type: none"> The Program Open House in Milwaukee originally planned to occur in February 2018 has been scheduled for April 4.

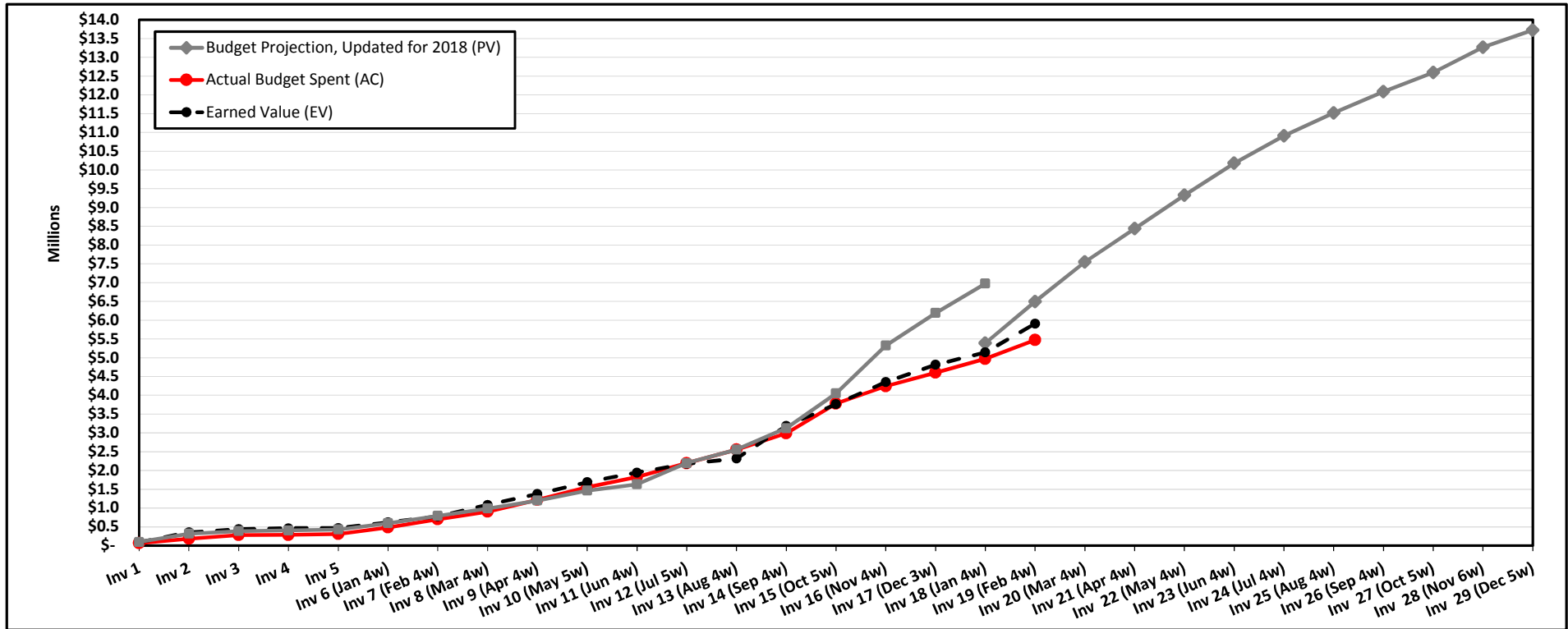


Note: The Task 3 amount for Invoice 5 was reported incorrectly in the previous version of this Report. The correct cumulative amount is \$263.96 lower. The Task 3 Budget at completion amount was revised to reflect Task Authorizations and contract amendments

Earned Value Calculations	
Budget at completion ^(BAC1) (BAC)	\$ 5,083,873
Estimate to Complete ^(ETC1) (ETC1=EAC1-AC)	\$ 1,890,100
Cost Variance ^(CV) (CV=EV-AC)	\$ 253,082
Schedule Variance ^(SV) (SV=EV-PV)	\$ (96,989)
Cost Performance Index ^(CPI) (CPI=EV/AC)	1.09
Schedule Performance Index ^(SPI) (SPI=EV/PV)	0.97
Cost /Schedule Index ^(CSI) (CSI=CPI x SPI)	1.06
Estimate at Completion ^(EAC1) (EAC1=BAC/CPI)	\$ 4,657,968.66
Variance at Completion ^(VAC1) (VAC1=BAC-EAC1)	\$ 425,904.34

Task 3 Permitting Plan/Progress
<ul style="list-style-type: none"> Held seven (7) Program Task 3 meetings. Submitted the Revised Program-Wide Soil and Groundwater Management Plan to WDNR. Previously acquired permits for field investigations were verified to support field investigations for the Return Flow Corridor. Submitted the Environmental Impact Report (EIS/WEPA Submittal) to the QM team and initiated the QM process. Continued drafting the PSC CA application and the WDNR/USACE wetlands and waterways applications.

Task 3 Permitting Challenges
<ul style="list-style-type: none"> Ongoing WDNR negotiations on the Return Flow Management Plan have delayed the completion of the document. Meetings and analysis to complete this work will continue. Ongoing WDNR negotiations on chlorides compliance have delayed the completion of the Chloride Reduction Plan.

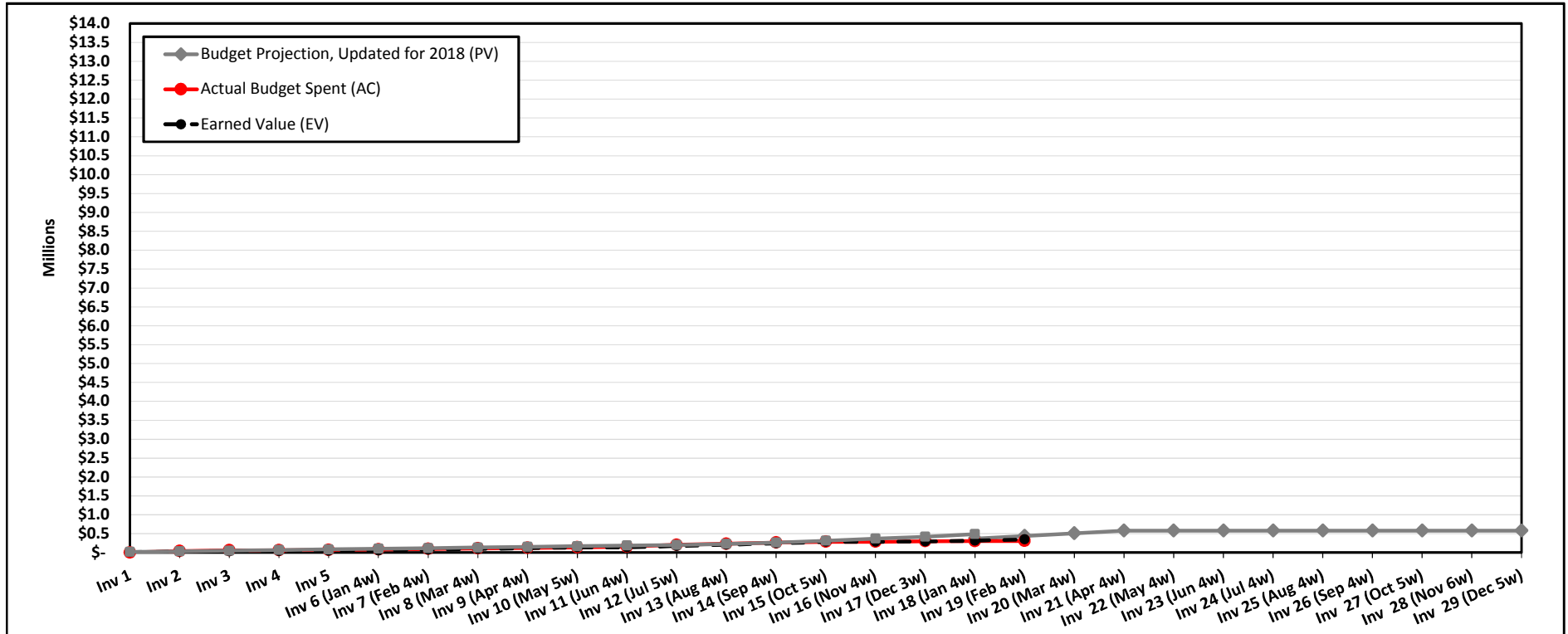


Note: The Task 4 Budget at completion amount was revised to reflect Task Authorizations and contract amendments

Earned Value Calculations	
Budget at completion ^(BAC) (BAC)	\$ 13,744,049
Estimate to Complete ^(ETC1) (ETC1=EAC1-AC)	\$ 7,257,923
Cost Variance ^(CV) (CV=EV-AC)	\$ 434,666
Schedule Variance ^(SV) (SV=EV-PV)	\$ (586,453)
Cost Performance Index ^(CPI) (CPI=EV/AC)	1.08
Schedule Performance Index ^(SPI) (SPI=EV/PV)	0.91
Cost /Schedule Index ^(CSI) (CSI=CPI x SPI)	0.98
Estimate at Completion ^(EAC1) (EAC1=BAC/CPI)	\$ 12,733,197.58
Variance at Completion ^(VAC1) (VAC1=BAC-EAC1)	\$ 1,010,851.71

Task 4 Route Study and Pipeline Plan/Progress
<ul style="list-style-type: none"> Held one (1) Program Team Task 4 meeting and three (3) Open House Meetings in West Allis, Greenfield, and New Berlin. Further developed the Route Study: Milwaukee (DEL 4-100 D2) in coordination with Program Team members including desktop analyses, steady state hydraulics, preliminary horizontal alignments, and conceptual opinions or probable construction cost. Further refined the Preliminary Design Report (PDR) (DEL 6-240 D1). Proceeded with field investigations and further developed reports associated with field investigations along the Return Flow Pipeline.

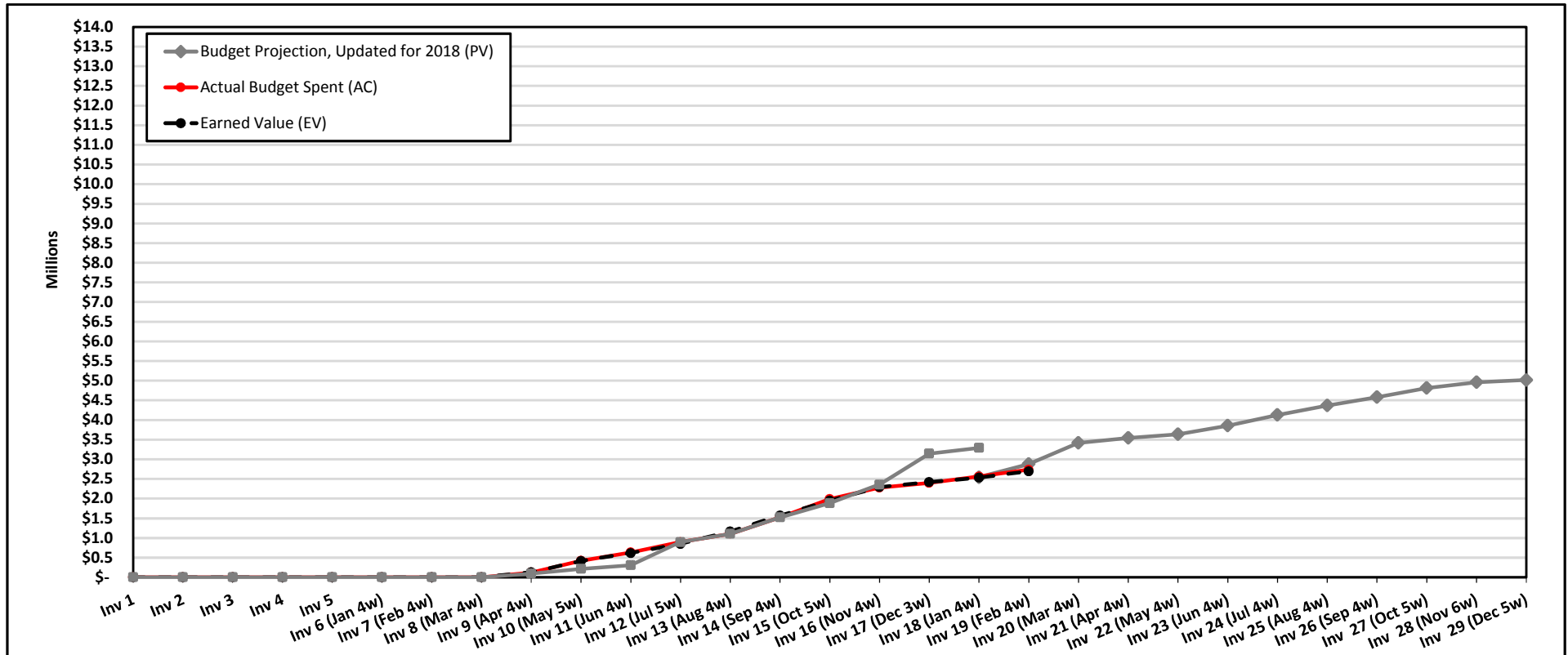
Task 4 Route Study and Pipeline Challenges
<ul style="list-style-type: none"> Changes to the WSPS location and connection to the MWW distribution system could negatively impact the schedule for submission of the PSC Construction Authorization and the Preliminary Design Report (PDR) (DEL 6-240 D1), which are critical path items for the design, bidding and construction of the Program.



Earned Value Calculations	
Budget at completion ^{(BAC)(1)} (BAC)	\$ 579,901
Estimate to Complete ^(ETC1) (ETC1=EAC1-AC)	\$ 203,466
Cost Variance ^(CV) (CV=EV-AC)	\$ 42,742
Schedule Variance ^(SV) (SV=EV-PV)	\$ (91,773)
Cost Performance Index ^(CPI) (CPI=EV/AC)	1.14
Schedule Performance Index ^(SPI) (SPI=EV/PV)	0.79
Cost /Schedule Index ^(CSI) (CSI=CPI x SPI)	0.90
Estimate at Completion ^(EAC1) (EAC1=BAC/CPI)	\$ 508,665.16
Variance at Completion ^(VAC1) (VAC1=BAC-EAC1)	\$ 71,235.92

Task 5 Distribution System Plan/Progress
<ul style="list-style-type: none"> Continued work on 5-110 Model Update Technical Memorandum. Continued work on 5-120 D1 Distribution System Hydraulic Modeling Report.

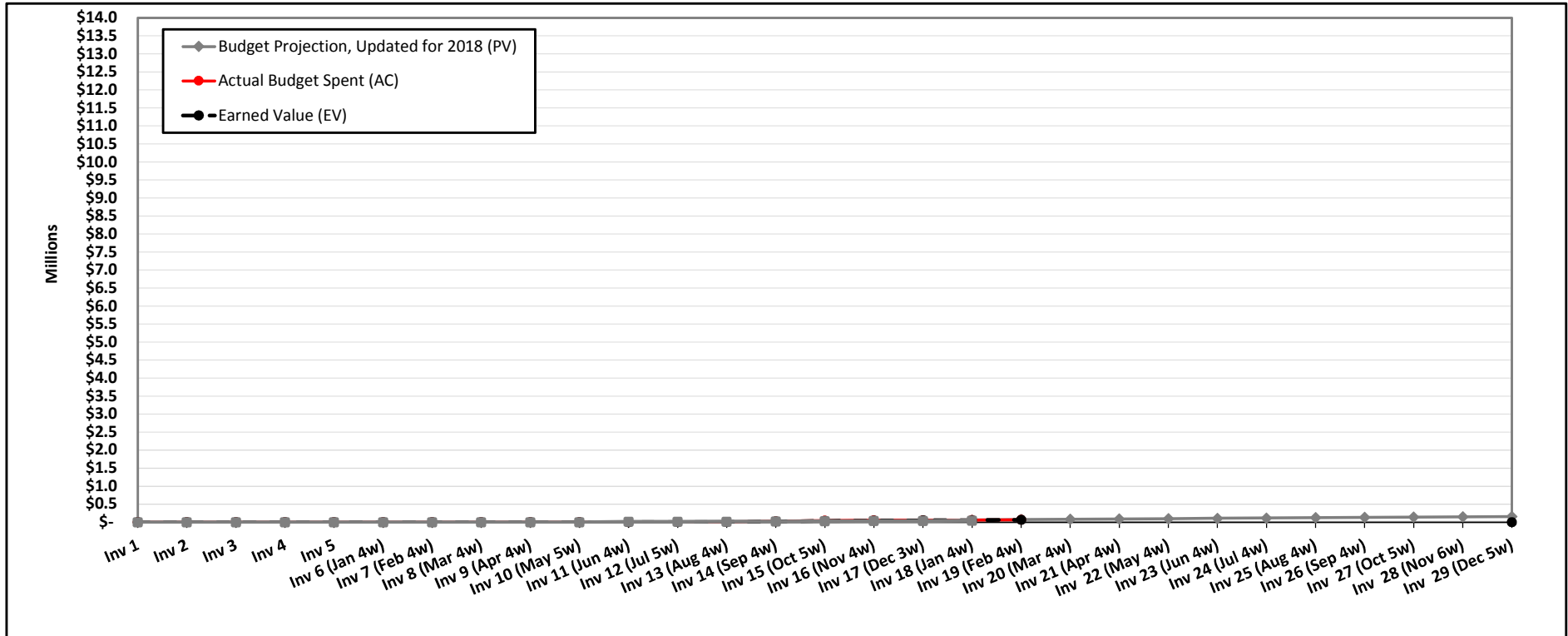
Task 5 Distribution System Challenges
<ul style="list-style-type: none"> Scope and budget associated with Tasks 5-200 and 5-300 water quality have been removed.



Earned Value Calculations	
Budget at completion ^{(BAC)(1)} (BAC)	\$ 5,018,415
Estimate to Complete ^(ETC1) (ETC1=EAC1-AC)	\$ 2,353,316
Cost Variance ^(CV) (CV=EV-AC)	\$ (39,720)
Schedule Variance ^(SV) (SV=EV-PV)	\$ (179,889)
Cost Performance Index ^(CPI) (CPI=EV/AC)	0.99
Schedule Performance Index ^(SPI) (SPI=EV/PV)	0.94
Cost /Schedule Index ^(CSI) (CSI=CPI x SPI)	0.92
Estimate at Completion ^(EAC1) (EAC1=BAC/CPI)	\$ 5,092,263.27
Variance at Completion ^(VAC1) (VAC1=BAC-EAC1)	\$ (73,848.17)

- Task 6 Pump Stations, Storage and Chemical Treatment Plan/Progress**
- Performed soil borings at the Booster Pumping Station (BPS) site.
 - Finalized the Phase 1 Environmental Site Assessment (ESA)for BPS and return Flow Pumping Station.
 - Coordinated with Milwaukee Water Works (MWW) to confirm the capacity of the Water Supply Pumping Station (WSPS).
 - Met with Clean Water Plant (CWP) staff to present 30% design of the RFPS.
 - Continued to address comments and revisions to

- Task 6 Pump Stations, Storage and Chemical Treatment Challenges**
- The site selection process must be complete for the WSPS in order to perform site investigations.
 - Survey and geotechnical work has been delayed due to inclement weather conditions and proceeds as conditions allow.
 - Proceeding with conservative design estimates for water quality from the supplier for sizing chemical feed facilities due to limited information available from the supplier.



Earned Value Calculations	
Budget at completion ^(BAC1) (BAC)	\$ 154,378
Estimate to Complete ^(ETC1) (ETC1=EAC1-AC)	\$ 86,840
Cost Variance ^(CV) (CV=EV-AC)	\$ 872
Schedule Variance (SV) (SV=EV-PV)	\$ (5,118)
Cost Performance Index ^(CPI) (CPI=EV/AC)	1.01
Schedule Performance Index ^(SPI) (SPI=EV/PV)	0.93
Cost /Schedule Index ^(CSI) (CSI=CPI x SPI)	0.94
Estimate at Completion ^(EAC1) (EAC1=BAC/CPI)	\$ 152,351.02
Variance at Completion ^(VAC1) (VAC1=BAC-EAC1)	\$ 2,026.98

Task 7 Construction and Construction Management Plan/Progress
<ul style="list-style-type: none"> Initiated Contracting Strategy Plan for QM review.

Task 7 Construction and Construction Management Challenges
<ul style="list-style-type: none"> Impending Federal funding and financing opportunities may impact the contracting strategy for the Program.