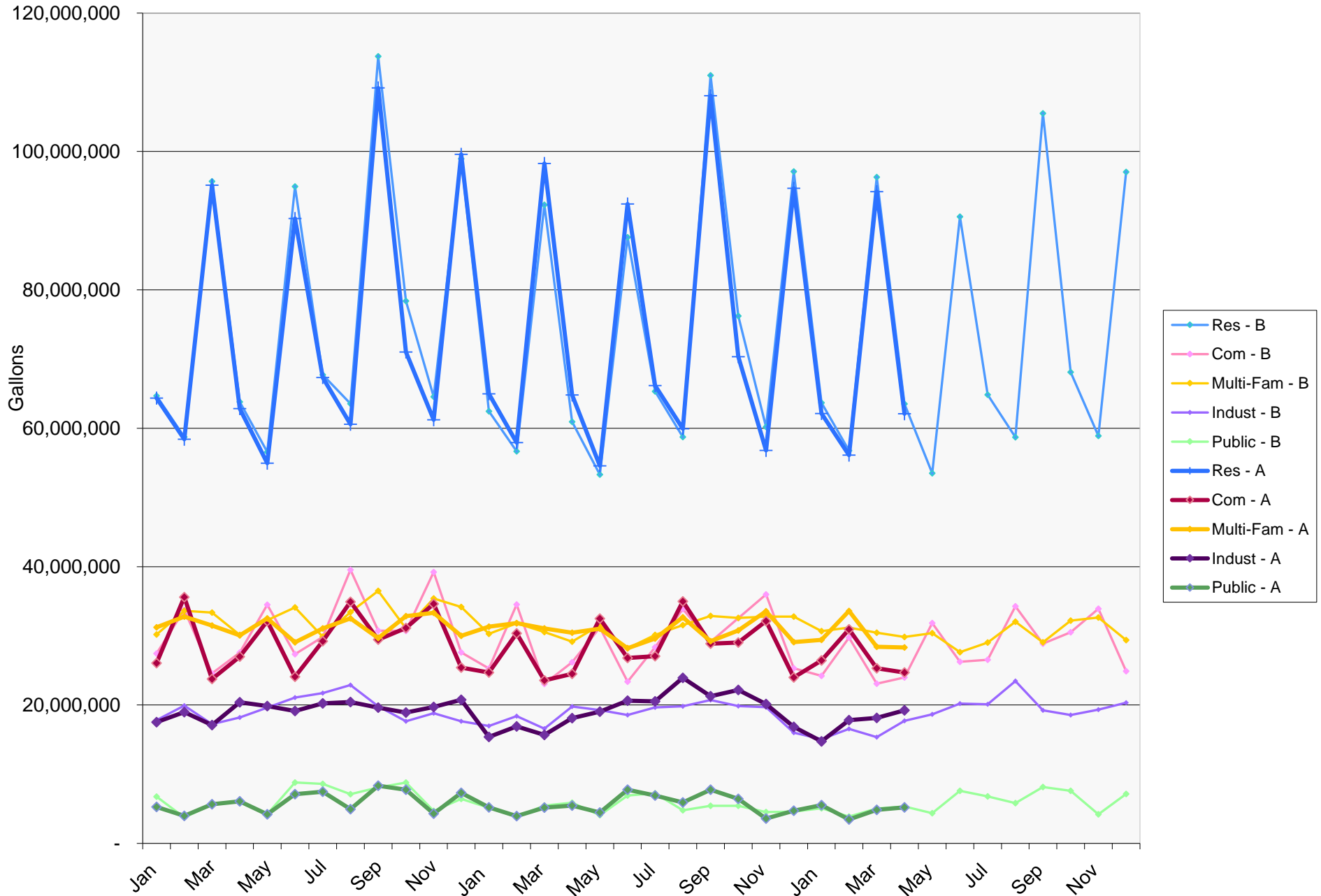


**WAUKESHA WATER UTILITY  
STATEMENT OF REVENUES & EXPENSES  
MONTH ENDED 4/30/2019**

	CURRENT MONTH				YEAR TO DATE				ANNUAL BUDGET
	ACTUAL'19	BUDGET'19	VARIANCE	%	ACTUAL'19	BUDGET'19	VARIANCE	%	
<b>OPERATING REVENUES:</b>									
Residential	\$345,508.27	\$351,891.46	(\$6,383.19)	(1.81)	\$1,539,699.76	\$1,519,745.28	\$19,954.48	1.31	\$4,824,683.03
Commercial	108,555.60	102,389.39	6,166.21	6.02	462,765.22	423,456.82	39,308.40	9.28	1,437,793.46
Industrial	65,774.24	61,684.93	4,089.31	6.63	241,308.00	224,252.49	17,055.51	7.61	770,326.57
Public	21,987.97	22,578.65	(590.68)	(2.62)	81,328.01	81,449.79	(121.78)	(0.15)	287,895.53
Multi Family	123,769.17	128,565.09	(4,795.92)	(3.73)	512,227.73	506,440.55	5,787.18	1.14	1,540,312.64
Irrigation	2,484.79	2,362.66	122.13	5.17	6,902.66	7,206.28	(303.62)	(4.21)	42,826.69
Total Metered Sales	\$668,080.04	\$669,472.18	(\$1,392.14)	(0.21)	\$2,844,231.38	\$2,762,551.21	\$81,680.17	2.96	\$8,903,837.92
Private Fire Capacity	\$21,239.47	\$21,201.62	\$37.85	0.18	\$85,965.51	\$78,265.09	\$7,700.42	9.84	\$239,814.12
Public Fire Capacity	162,333.71	163,114.63	(780.92)	(0.48)	705,610.79	664,204.02	41,406.77	6.23	2,112,230.99
Other Operating Revenues	65,056.19	65,994.09	(937.90)	(1.42)	139,364.76	146,618.92	(7,254.16)	(4.95)	471,295.46
<b>TOTAL OPERATING REVENUES</b>	<b>\$916,709.41</b>	<b>\$919,782.52</b>	<b>(\$3,073.11)</b>	<b>(0.33)</b>	<b>\$3,775,172.44</b>	<b>\$3,651,639.24</b>	<b>\$123,533.20</b>	<b>3.38</b>	<b>\$11,727,178.49</b>
<b>OPERATING EXPENSES:</b>									
Source	\$51,110.62	\$50,632.08	\$478.54	0.95	\$203,866.30	\$205,138.02	(\$1,271.72)	(0.62)	\$755,121.90
Pumping	75,547.43	83,013.49	(7,466.06)	(8.99)	313,195.93	312,614.99	580.94	0.19	1,038,078.03
Treatment	26,882.88	38,440.27	(11,557.39)	(30.07)	131,225.63	166,943.94	(35,718.31)	(21.40)	535,037.61
Distribution	91,524.71	90,798.67	726.04	0.80	451,726.42	405,473.90	46,252.52	11.41	1,379,286.99
Customer Service	19,400.67	20,268.21	(867.54)	(4.28)	66,539.85	81,172.84	(14,632.99)	(18.03)	258,081.70
Administrative	82,736.62	120,133.10	(37,396.48)	(31.13)	521,590.91	589,304.38	(67,713.47)	(11.49)	1,677,514.93
Total	\$347,202.93	\$403,285.82	(\$56,082.89)	(13.91)	\$1,688,145.04	\$1,760,648.07	(72,503.03)	(4.12)	\$5,643,121.16
<b>MANAGERS' MARGIN</b>	<b>569,506.48</b>	<b>516,496.70</b>	<b>53,009.78</b>	<b>10.26</b>	<b>2,087,027.40</b>	<b>1,890,991.17</b>	<b>\$196,036.23</b>	<b>10.37</b>	<b>6,084,057.33</b>
Depreciation	159,166.54	159,482.42	(315.88)	(0.20)	638,777.92	637,929.68	848.24	0.13	1,913,789.04
Tax Equivalent	168,280.82	168,280.82	0.00	0.00	673,123.28	673,123.28	0.00	0.00	2,019,369.84
Other Taxes	12,252.67	12,395.50	(142.83)	(1.15)	48,429.31	49,582.00	(1,152.69)	(2.32)	159,817.37
<b>TOTAL OPERATING EXPENSES</b>	<b>\$686,902.96</b>	<b>\$743,444.56</b>	<b>(\$56,541.60)</b>	<b>(7.61)</b>	<b>\$3,048,475.55</b>	<b>\$3,121,283.03</b>	<b>(\$72,807.48)</b>	<b>(2.33)</b>	<b>\$9,736,097.41</b>
<b>TOTAL OPERATING INCOME(LOSS)</b>	<b>\$229,806.45</b>	<b>\$176,337.96</b>	<b>\$53,468.49</b>	<b>30.32</b>	<b>\$726,696.89</b>	<b>\$530,356.21</b>	<b>\$196,340.68</b>	<b>37.02</b>	<b>\$1,991,081.08</b>
<b>NON OPERATING INCOME&amp;(EXPENSE)</b>	<b>(153,131.82)</b>	<b>(199,867.86)</b>	<b>46,736.04</b>	<b>(23.38)</b>	<b>(587,648.30)</b>	<b>(767,600.58)</b>	<b>179,952.28</b>	<b>(23.44)</b>	<b>(371,184.63)</b>
<b>NET INCOME(LOSS)</b>	<b>\$76,674.63</b>	<b>(\$23,529.90)</b>	<b>\$100,204.53</b>	<b>(425.86)</b>	<b>\$139,048.59</b>	<b>(\$237,244.37)</b>	<b>\$376,292.96</b>	<b>(158.61)</b>	<b>\$1,619,896.45</b>

WWU  
Billed Gallons  
Actual v Budget  
2017 - 2019



**WAUKESHA WATER UTILITY  
STATEMENT OF SOURCES AND USES OF CASH  
PERIOD ENDING APRIL 30, 2019**

**Cash Balance - March 31, 2019**

\$28,507,220

**SOURCES:**

**Operations:**

Customers - water sales	\$983,283
Waste Water Utility - joint metering billing	61,571
Rent of utility property - cellular leases	50,984
Receipts on sewer bills	1,349,973
Receipts from return flow	220,022
Reimbursement from City for return flow expenses	494,508
Reimbursement from City for sewer construction costs	
Other - miscellaneous	8,850
Total Cash From Operating Activities	\$3,169,191

**Capital and Related Financing Activities:**

Grants	
Contributions	54,745
Issuance of long-term debt	5,974,645
Sale of short-term debt	
Interest income	66,367
Total Cash From Capital/ Investing Activities	\$6,095,757

**Total Cash Receipts**

**\$9,264,948**

**USES:**

Salaries, wages, payroll taxes and benefits	\$271,935
Subcontracted and outside services	10,442
Disbursement to city for sewer transfer	1,146,021
Disbursement to city for return flow transfer	155,710
Pumping power	69,650
Purchase of materials and supplies	62,016
Tax equivalent - PILOT	
Acquisition of capital assets	995,362
Debt service - principal	79,440
Debt service - interest	494,810
	494,810

**Total Cash Used**

**\$3,285,385**

**Net Change in Cash**

**\$5,979,564**

**Cash Balance - April 30, 2019**

**\$34,486,784**

**WAUKESHA WATER UTILITY  
BALANCE SHEET  
4/30/2019**

<u>ASSETS</u>	<u>THIS YEAR</u>
<b>CURRENT</b>	
CASH AND INVESTMENTS	\$31,758,917.57
ACCOUNTS RECEIVABLE	5,752,818.54
RECEIVABLE FROM SEWER REIMB	0.01
MATERIALS & SUPPLIES	392,945.46
OTHER CURRENT ASSETS	0.00
ACCRUED UTILITY REVENUE	0.00
TOTAL CURRENT ASSETS	<u>\$37,904,681.58</u>
<b>DEFERRED</b>	
DEFERRED ASSETS	<u>\$26,238,218.27</u>
TOTAL DEFERRED DEBITS	26,238,218.27
<b>RESTRICTED</b>	
DEBT PAYMENT ACCOUNT	\$899,415.81
DEBT RESERVE ACCOUNT	477,655.31
CONSTRUCTION FUND	151.06
TAX EQUIV RESERVE ACCOUNT	1,350,643.78
TOTAL RESTRICTED FUNDS	<u>\$2,727,865.96</u>
<b>LONG TERM</b>	
UTILITY PLANT IN SERVICE-NET	\$93,116,210.02
PROPERTY HELD FOR FUTURE USE	435,089.69
CONSTRUCTION WORK IN PROGRESS	897,742.95
RESTRICTED NET PENSION	403,235.00
TOTAL UTILITY PLANT	<u>\$94,852,277.66</u>
<b>TOTAL ASSETS</b>	<u><u>\$161,723,043.47</u></u>
 <b>LIABILITIES</b>	
<b>CURRENT</b>	
CUR PORTION BOND	995,000.00
NOTES PAYABLE	21,775,000.00
ACCOUNTS PAYABLE	1,551,715.21
PAYABLE TO OTHER FUNDS	3,588,402.40
CUSTOMER DEPOSITS	189,245.28
A/P MISCELLANEOUS	0.00
TAXES ACCRUED	1,311,271.00
INTEREST ACCRUED	115,297.17
EMPLOYEE WITHHOLDING	11,995.17
ACCRUED PAYROLL	62,949.98
ACCRUED VACATION	249,468.59
TOTAL CURRENT LIABILITIES	<u>\$29,850,344.80</u>
<b>DEFERRED CREDITS</b>	
CUSTOMER ADVANCES CONSTRUCTION	\$0.00
REGULATORY LIABILITY	891,826.90
OPEB LIABILITY	4,129,723.88
OTHER DEFERRED CREDITS	<u>3,444,071.51</u>
TOTAL DEFERRED CREDITS	\$8,465,622.29
<b>LONG-TERM</b>	
BONDS	\$48,454,998.38
 <b>EQUITY</b>	
CAPITAL PAID IN BY MUNICIPALITY	\$2,707,846.48
EQUITY FINANCED BY UTILITY	37,970,779.96
EQUITY FROM CONTRIBUTIONS	33,438,445.97
RESTRICTED EQUITY	695,957.00
NET PROFIT (LOSS)	139,048.59
TOTAL EQUITY	<u>\$74,952,078.00</u>
<b>TOTAL EQUITY AND LIABILITIES</b>	<u><u>\$161,723,043.47</u></u>

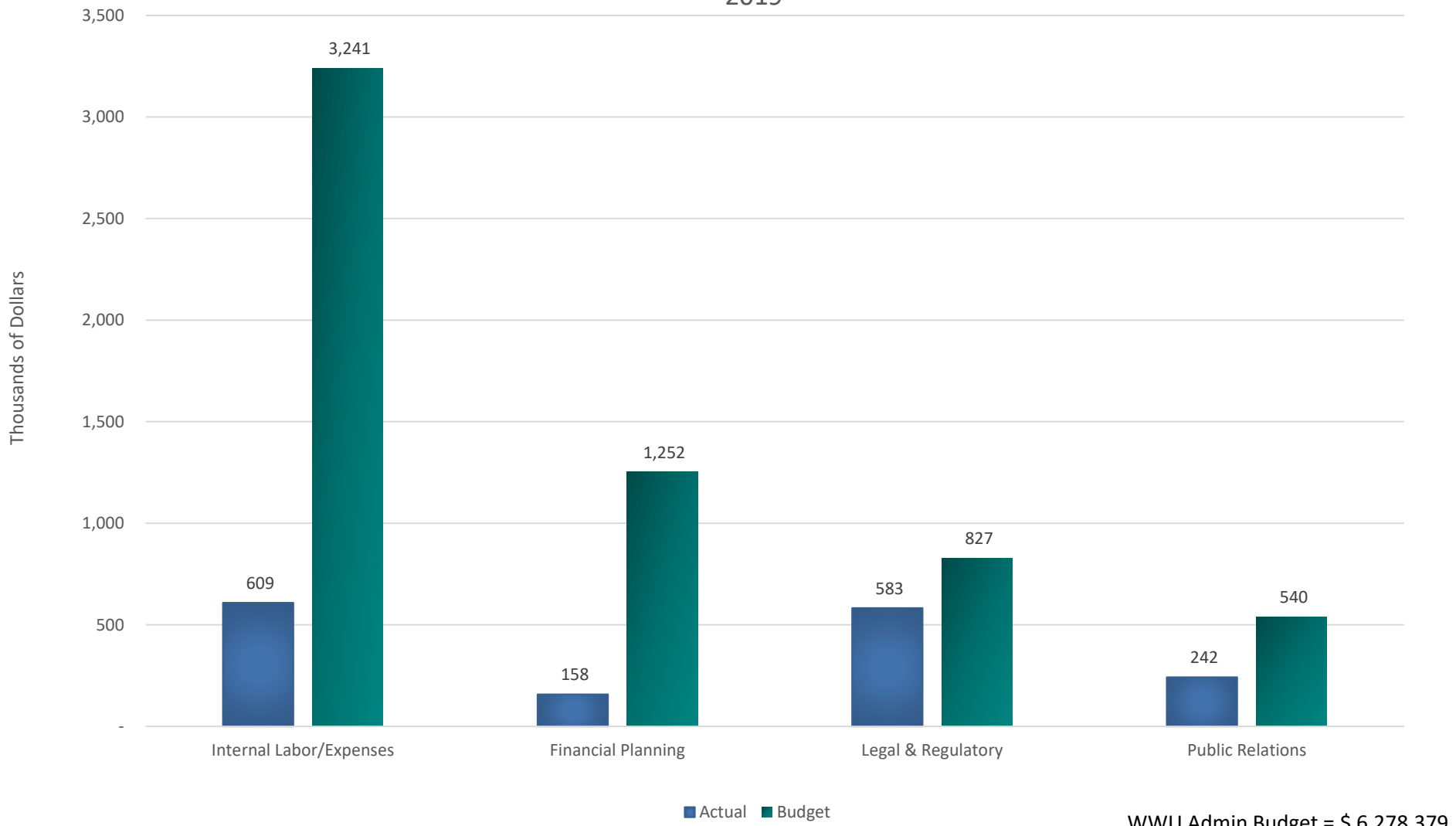
WWU  
TRANSMISSION AND DISTRIBUTION  
BUDGET VARIANCE ANALYSIS

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.		\$ 118,780	\$ 20,605	6	Jack Wells	Fall 2019
						7	Daniel J. Manion	
						13	Dean Lemke	
						14	Rick Lemke	
Greenmeadow Sanitary Water Main Lowering	M00527	Replace 920 feet of 6-inch cast iron water main from 1966 with 8-inch PVC main on Dopp St between Joellen and Moreland. Re-connect services on Moreland between Dopp and St. Paul. Project done with City.		\$ 580,958	\$ 45,848	15	Cory Payne	Fall 2019
Dunbar - Marshall to West	M00531	Replace 1,540 feet of 6-inch cast iron from 1913 with 8-inch PVC water main on Dunbar from Marshall to West. Project done with City.		\$ 300,678	\$ 231,396	11	Leonard Miller	July 2019
Moreland - Riverview to Delafield	M00533	Replace 3,120 feet of 8-inch cast iron water main from 1958 with 12" water main on Moreland from Riverview to Delefield. Project done with City.		\$ 694,370	\$ 5,434	2	Eric Payne	September 2019
Summit - Greenmeadow to Grandview	M00537	Replace 1,780 feet of 8-inch cast iron from 1957 with 16-inch ductile iron water main on Summit from Greenmeadow to Grandview. Project done with City.		\$ 689,093	\$ 7,050	4	Joe Pieper	October 2019
Aurora - Main St to National Ave.	M00538	Replace 500 feet of 6-inch Phipps from 1929 with 8-inch PVC on Aurora from Main Street to National. Project done with City.		\$ 247,500	\$ 2,648	3	Cassie Rodriguez	October 2019
Oakmont to Pebble Valley Zone	TBD	Extend 12" water main through easement connecting Pebble Valley and Oakmont.		\$ 293,128	\$ -	14	Rick Lemke	Fall 2019
<i>Routine Projects</i>			\$ 3,045,649	\$ 2,924,508	\$ 312,980			
<i>Misc Routine</i>			\$ 936,516	\$ 936,516	\$ 936,516			
<i>Total Routine</i>			\$ 3,982,165	\$ 3,861,024	\$ 1,249,496			
Main St - Lombardi to Manhattan	GLCD0011	Replace 4,300 feet of 6-inch cast iron from 1911 with 24-inch ductile iron main. Project being done with City sanitary.		\$ 3,244,865	\$ 57,546	3	Cassie Rodriguez	October 2019
<i>Distribution System Improvements</i>			\$ 3,244,865	\$ 3,244,865	\$ 57,546			
<b>Total Transmission &amp; Distribution</b>			\$ 7,227,030	\$ 7,105,889	\$ 1,307,043			

**Bold Totals are Based on Bids**



### Future Water Supply WWU Admin Sub Costs 2019



Status update

# **Waukesha Water Utility**

Future Water Supply

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May 14, 2019

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





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## 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”) is the Program Manager and Black & Veatch (“BV” or “CM”) is the 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. 32 from Greeley and Hansen and Phase 2 Invoice No. 4 from Black & Veatch. There were no Audit Issues identified during the current period.

### Current Period Request for Information

There are no outstanding requests for information.





# Audit progress

## Audit Status Summary

### **A. Items Completed**

Baker Tilly has completed the following tasks:

- Audit kick off meeting on to review project scope and communication expectations
- Attended PM/CM request for qualifications (RFQ) review and short list selection on August 4, 2016
- PM/CM finalist interview preparation with WWU on September 26, 2016
- Attended PM/CM interviews and selection meeting on September 29, 2016
- Reviewed Greeley and Hanson's Phase I cost proposal. The review memorandum was delivered to WWU On October 19, 2016.
- Attended the following workshops
  - High Level Program Cost Validation - November 11, 2016
  - Financial Model – Preliminary Workshop - November 11, 2016
  - Financial Management Platform - November 18, 2016
  - Financial Management Conceptual Designs Workshop - December 6, 2016
- Reviewed the Phase 2 Estimate of Fees from Greeley and Hansen for work through the period ending December 31, 2017
- Attendance at bi-weekly progress meetings
- Attendance at CM interviews on February 28, 2018
- Reviewed Greeley and Hanson, LLC Invoice Nos. 1 through 32
- Reviewed Black & Veatch Phase 1 invoices
- Reviewed Black & Veatch Phase 2 Invoice Nos. 1 through 4
- Verified Black & Veatch labor rates are compliant with the contract

### **B. Items in Process**

There are currently no items in process

### **C. Items to be Completed Next Period**

The following items will be completed next period.

- Review of Greeley and Hansen Invoice No. 33
- Review of Black & Veatch Invoice No. 5

### **D. Events Hindering Progress**

There are no events hindering audit progress at this time.



## Audit progress

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### E. Proposed Changes to Scope

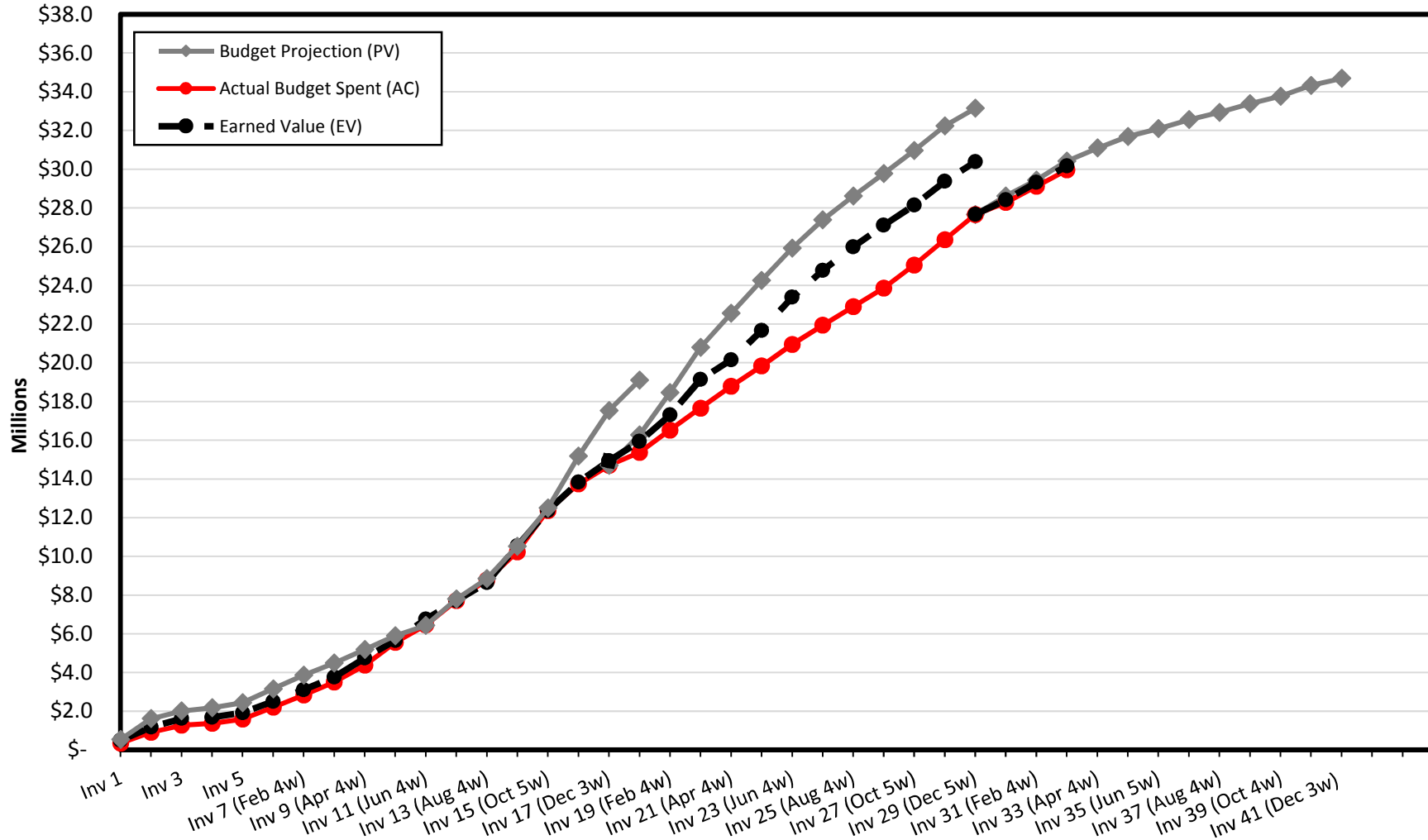
There are no proposed changes to our scope.



## **Exhibit 5 – Earned Value Analysis**



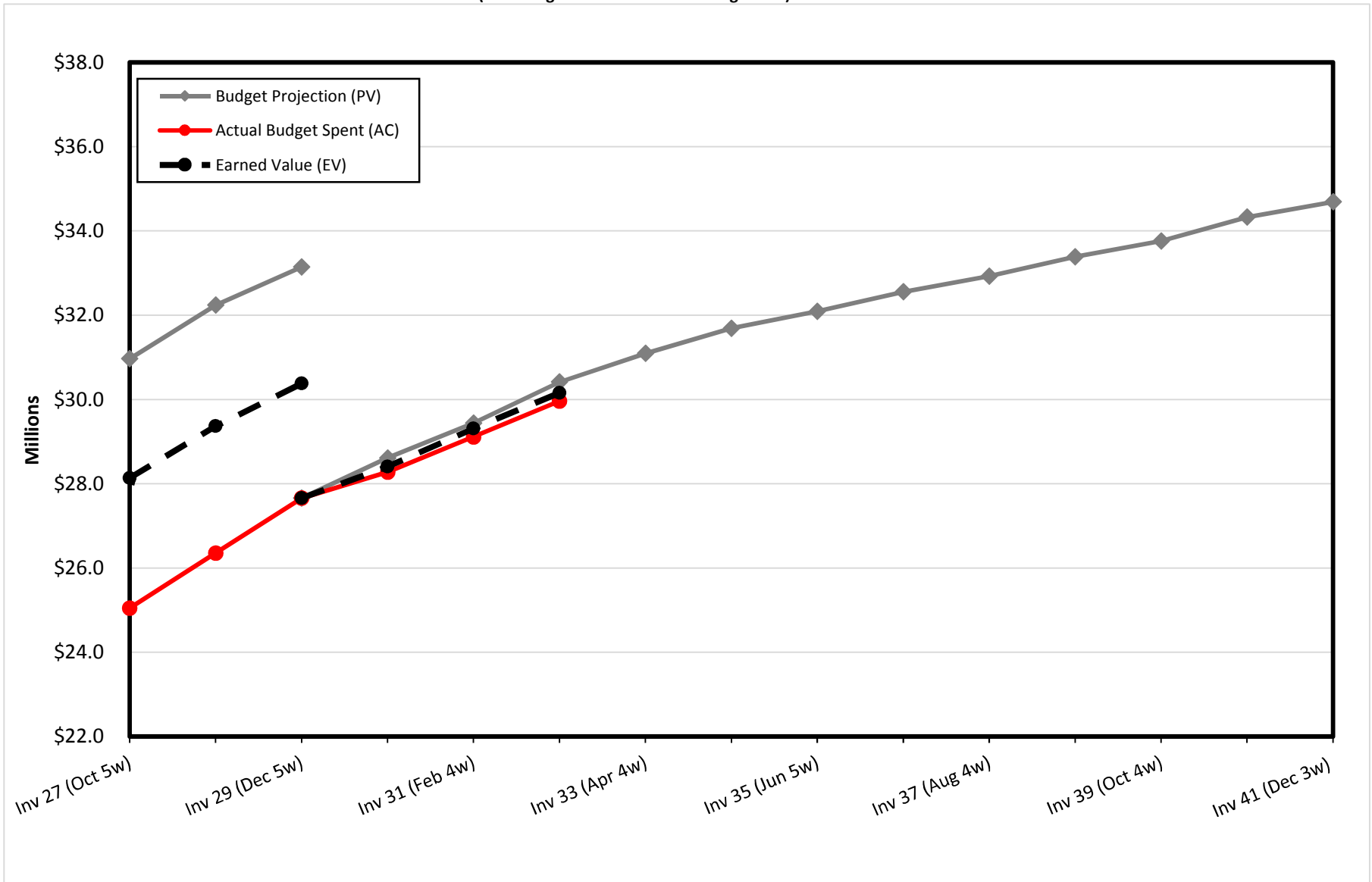
**Great Lakes Water Supply Program PM/CM**  
**Program**  
**Earned Value Chart**  
**Phase 1 and 2 (Invoice No. 32)**  
**(Excluding Allowances and Contingencies)**



<b>% Spent</b>	<b>86.4%</b>	<b>Schedule Performance Index (SPI)</b>	<b>0.99</b>
<b>Actual Budget Spent</b>	<b>\$29,958,973</b>	<b>Cost Performance Index (CPI)</b>	<b>1.01</b>

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

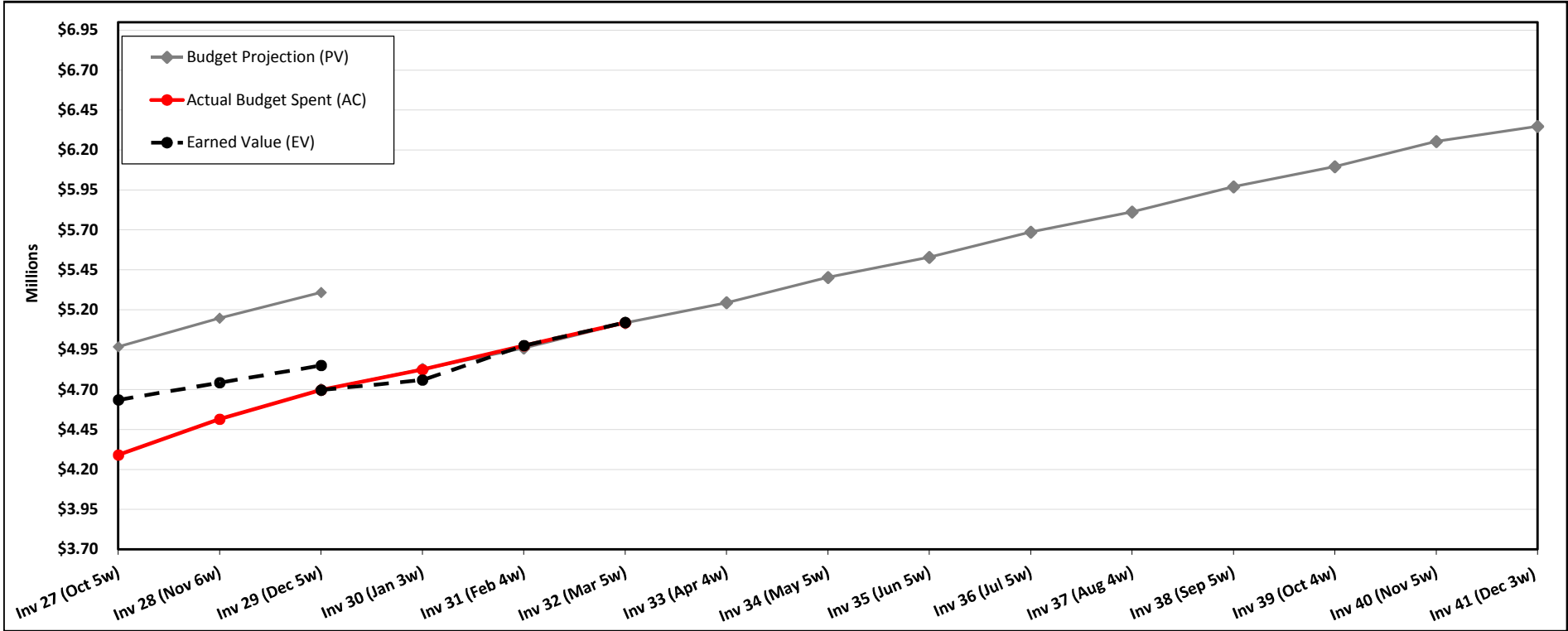
**Great Lakes Water Supply Program PM/CM Program**  
**Earned Value Chart**  
**Phase 1 and 2 (Invoice No. 31)**  
 (Excluding Allowances and Contingencies)



**% Spent 86.4%**  
**Actual Budget Spent \$29,958,973**

**Schedule Performance Index (SPI) 0.99**  
**Cost Performance Index (CPI) 1.01**

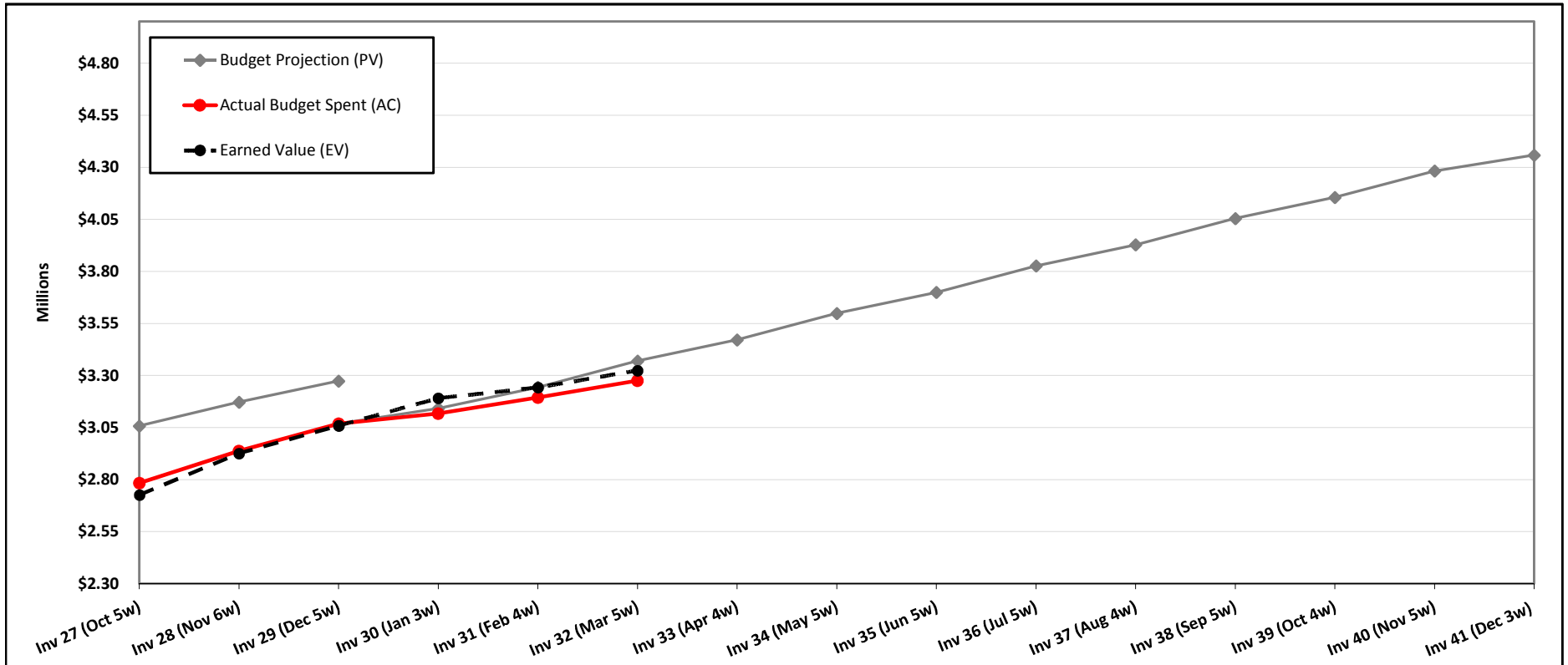
*Note: Budget associated with Task 3-300, 5-200 and 5-300 water quality scope has been removed.*



Earned Value Calculations	
Budget at Completion <sup>(BAC)(1)</sup> (BAC)	\$ 6,347,981
Estimate to Complete <sup>(ETC1)</sup> (ETC1=EAC1-AC)	\$ 1,226,620
Cost Variance <sup>(CV)</sup> (CV=EV-AC)	\$ 2,121
Schedule Variance <sup>(SV)</sup> (SV=EV-PV)	\$ 2,510
Cost Performance Index <sup>(CPI)</sup> (CPI=EV/AC)	1.00
Schedule Performance Index <sup>(SPI)</sup> (SPI=EV/PV)	1.00
Cost /Schedule Index <sup>(CSI)</sup> (CSI=CPI x SPI)	1.00
Estimate at Completion <sup>(EAC1)</sup> (EAC1=BAC/CPI)	\$ 6,345,351.35
Variance at Completion <sup>(VAC1)</sup> (VAC1=BAC-EAC1)	\$ 2,629.25

Task 1 Program Management Plan/Progress
<ul style="list-style-type: none"> <li>Prepared and submitted Invoice No. 31; updated the Financial Management Dashboard and Report for Invoice No. 31.</li> <li>Held nineteen (19) Program Team meetings.</li> <li>Executed two subconsultants contracts.</li> <li>Updated Program schedule and Risk Register.</li> <li>Drafted responses to PSC's information request received on March 13.</li> </ul>

Task 1 Program Management Challenges
<ul style="list-style-type: none"> <li>The WisDOT Interstate 43 Hardship Application requesting an easement within the WisDOT Interstate 43 right-of-way has been prepared and submitted to WisDOT. Delay of WisDOT's determination may result in delay of Program design, which will result in a negative impact the Program schedule for bidding and construction, startup and testing and final completion.</li> <li>The condemnation process has begun for the preferred location for the Water Supply Pumping Station (WSPS) in Milwaukee. The Water Supply Pipeline design will proceed based on this preferred location</li> </ul>



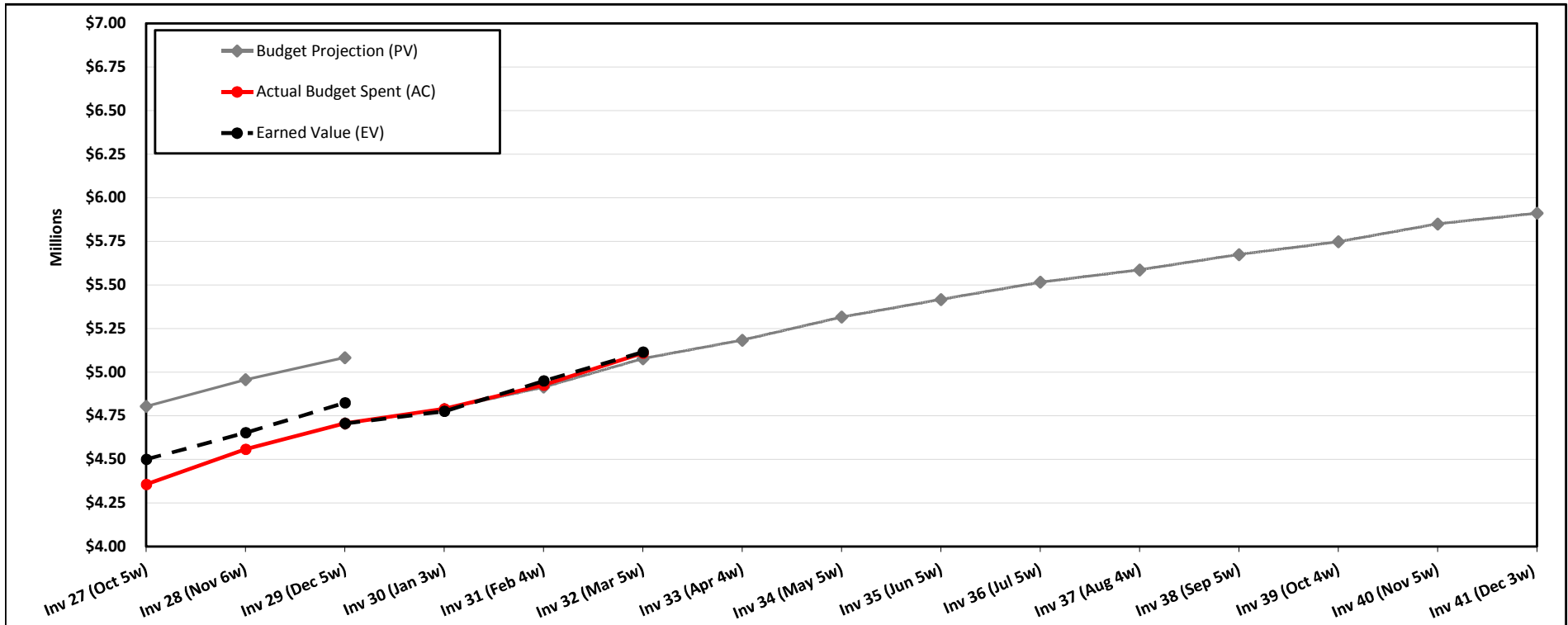
Earned Value Calculations	
Budget at completion <sup>(BAC)</sup> (BAC)	\$ 4,358,707
Estimate to Complete <sup>(ETC1)</sup> (ETC1=EAC1-AC)	\$ 1,018,895
Cost Variance <sup>(CV)</sup> (CV=EV-AC)	\$ 48,858
Schedule Variance <sup>(SV)</sup> (SV=EV-PV)	\$ (45,746)
Cost Performance Index <sup>(CPI)</sup> (CPI=EV/AC)	1.01
Schedule Performance Index <sup>(SPI)</sup> (SPI=EV/PV)	0.99
Cost /Schedule Index <sup>(CSI)</sup> (CSI=CPI x SPI)	1.00
Estimate at Completion <sup>(EAC1)</sup> (EAC1=BAC/CPI)	\$ 4,294,652.49
Variance at Completion <sup>(VAC1)</sup> (VAC1=BAC-EAC1)	\$ 64,054.88

**Task 2 Programmatic Support Services Plan/Progress**

- Responded to a legislator's follow-up questions about a landfill and contamination near the Root River.
- Prepared and reviewed PSST materials and participated in associated team correspondence throughout the reporting period, including permitting and well pump failure.
- Helped coordinate and edit talking points regarding the permit process, and edited newsletter items on permitting and on water conservation. Researched data on monthly usage in Waukesha and nationally.
- Developed content for the April issue of the E-Newsletter
- Finalized first round of production for video #1.
- It is currently anticipated that the projected Phase 2 budget will be fully utilized to complete the planned 2019 scope.

**Task 2 Programmatic Support Services Challenges**

- No Challenges.



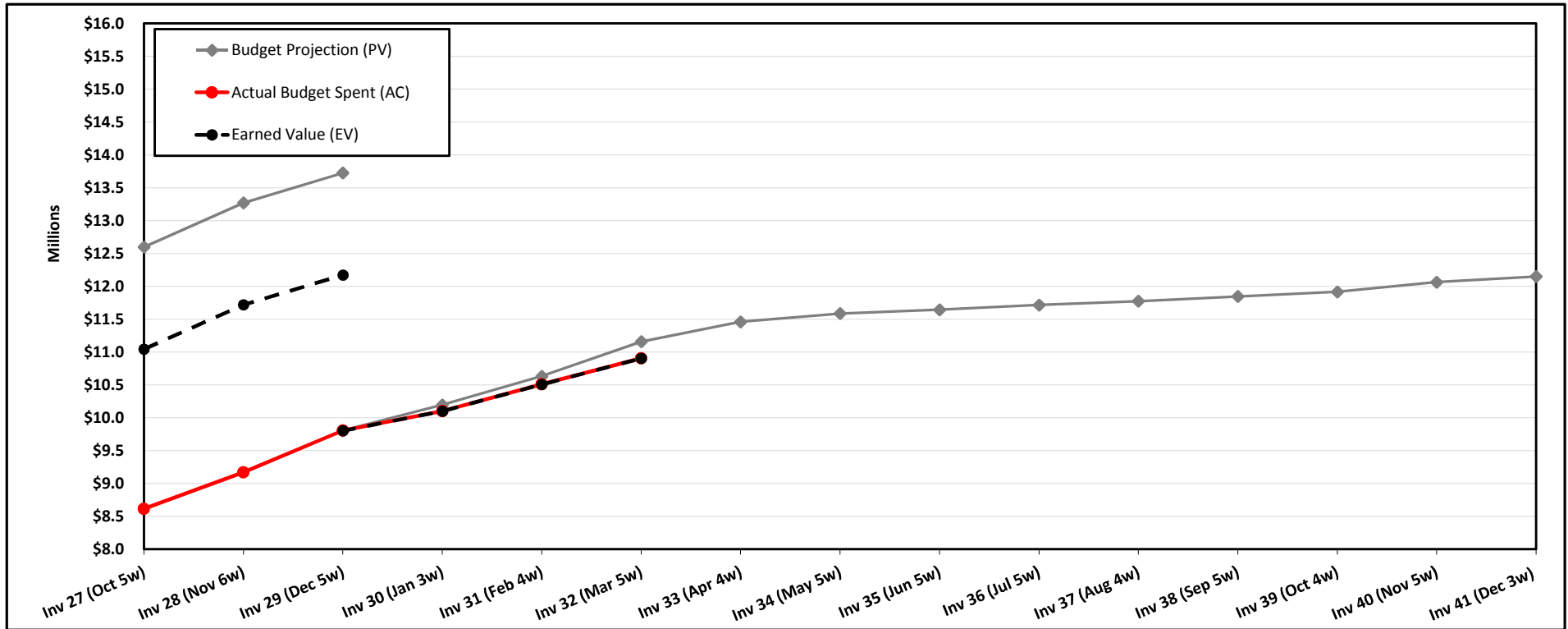
Note: The Task 3 amount for Invoice 5 was reported incorrectly in the previous version of this Report. The correct cumulative amount is \$263.96 lower.  
The Task 3 Budget at completion amount was revised to reflect Task Authorizations and contract amendments

Earned Value Calculations	
Budget at completion <sup>(BAC(1))</sup> (BAC)	\$ 5,911,817
Estimate to Complete <sup>(ETC1)</sup> (ETC1=EAC1-AC)	\$ 794,929
Cost Variance <sup>(CV)</sup> (CV=EV-AC)	\$ 5,515
Schedule Variance <sup>(SV)</sup> (SV=EV-PV)	\$ 38,760
Cost Performance Index <sup>(CPI)</sup> (CPI=EV/AC)	1.00
Schedule Performance Index <sup>(SPI)</sup> (SPI=EV/PV)	1.01
Cost /Schedule Index <sup>(CSI)</sup> (CSI=CPI x SPI)	1.01
Estimate at Completion <sup>(EAC1)</sup> (EAC1=BAC/CPI)	\$ 5,905,444.21
Variance at Completion <sup>(VAC1)</sup> (VAC1=BAC-EAC1)	\$ 6,372.41

Task 3 Permitting Plan/Progress
<ul style="list-style-type: none"> <li>Held meetings with Milwaukee County, Waukesha County, City of Franklin, City of New Berlin, and City of West Allis</li> <li>Held meeting with WDNR to address final question on the Environmental Impact Statement.</li> <li>Began drafting responses to information request received from PSC on March 13.</li> <li>Submitted revised Wetlands and Waterways Permit Application to WDNR and United States Army Corps of Engineers (USACE) on March 29.</li> <li>Continued coordination with WDNR for WPDES permit issuance.</li> </ul>

Task 3 Permitting Challenges
<ul style="list-style-type: none"> <li>Ongoing negotiation with WDNR of the WPDES discharge permit may delay the issuance of the permit.</li> </ul>



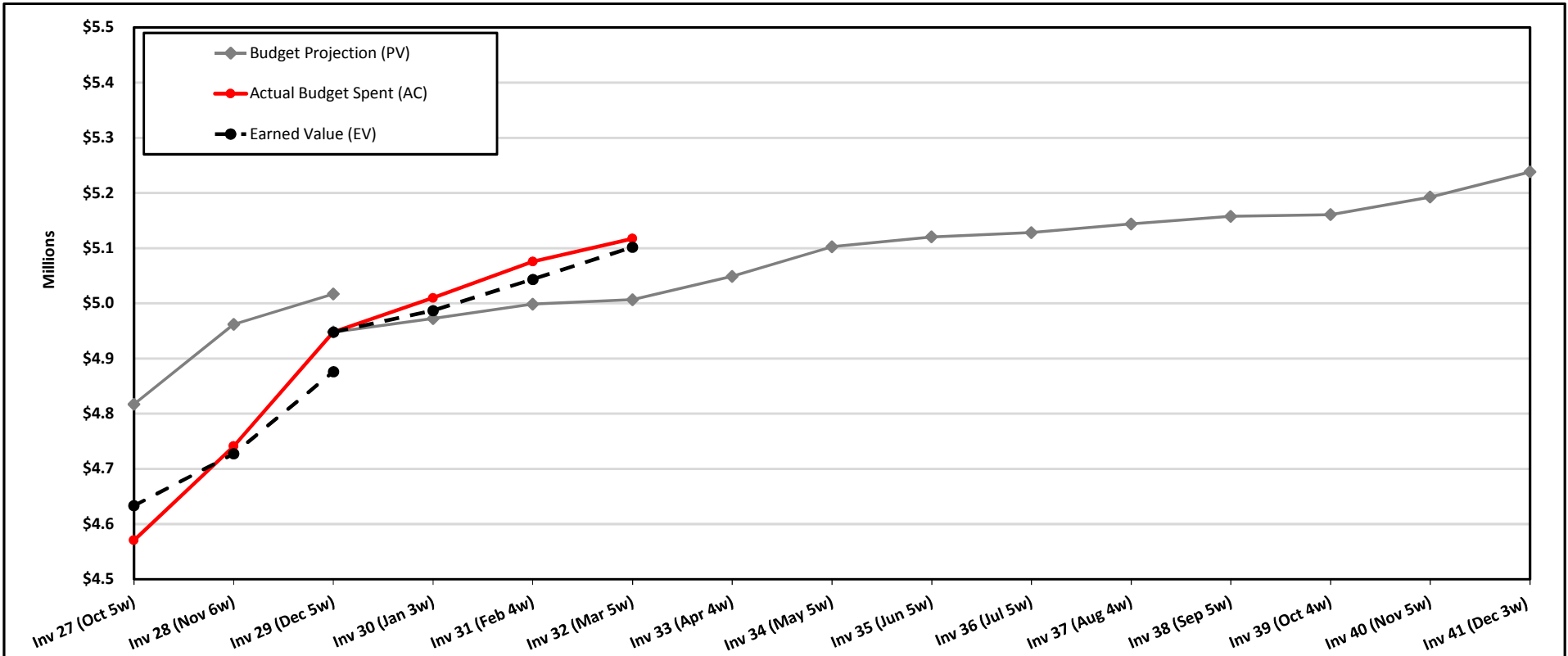


Note: The Task 4 Budget at completion amount was revised to reflect Task Authorizations and contract amendments

Earned Value Calculations	
Budget at completion <sup>(BAC)</sup> (BAC)	\$ 12,149,859
Estimate to Complete <sup>(ETC1)</sup> (ETC1=EAC1-AC)	\$ 1,243,593
Cost Variance <sup>(CV)</sup> (CV=EV-AC)	\$ -
Schedule Variance <sup>(SV)</sup> (SV=EV-PV)	\$ (251,425)
Cost Performance Index <sup>(CPI)</sup> (CPI=EV/AC)	1.00
Schedule Performance Index <sup>(SPI)</sup> (SPI=EV/PV)	0.98
Cost /Schedule Index <sup>(CSI)</sup> (CSI=CPI x SPI)	0.98
Estimate at Completion <sup>(EAC1)</sup> (EAC1=BAC/CPI)	\$ 12,149,859.00
Variance at Completion <sup>(VAC1)</sup> (VAC1=BAC-EAC1)	\$ -

Task 4 Route Study and Pipeline Plan/Progress
<ul style="list-style-type: none"> <li>90% Contract Documents for Contract Package No. 6 are 90% completed.</li> <li>90% Contract Documents for Contract Package No. 5 are 85% completed.</li> <li>90% Contract Documents for Contract Package No.2 are 75% completed.</li> <li>Addressed comments received from WisDOT on NEPA CEC. Approval anticipated in next reporting period.</li> <li>Phase II ESA reports are being revised to consider alignment revisions and changes in proposed construction methods that impact prior recommendations for management of contaminated soil and/or groundwater.</li> <li>A Wetland and Waterway Restoration Plan was developed QM comments were addressed.</li> <li>It is currently anticipated that the projected Phase 2 budget will be fully utilized to complete the planned 2019 scope.</li> </ul>

Task 4 Route Study and Pipeline Challenges
<ul style="list-style-type: none"> <li>Soil borings along Interstate 43 are on hold for the Return Flow Pipeline until an agreement has been reached with WisDOT. The remainder of the soil borings and analysis are complete.</li> <li>The Program design schedule was delayed due to the hydraulic capacity of the Return Flow Pipeline being increased to 14.5 MGD.</li> </ul>



Earned Value Calculations	
Budget at completion <sup>(BAC)(1)</sup> (BAC)	\$ 5,238,173
Estimate to Complete <sup>(ETC1)</sup> (ETC1=EAC1-AC)	\$ 136,547
Cost Variance <sup>(CV)</sup> (CV=EV-AC)	\$ (15,285)
Schedule Variance <sup>(SV)</sup> (SV=EV-PV)	\$ 95,309
Cost Performance Index <sup>(CPI)</sup> (CPI=EV/AC)	1.00
Schedule Performance Index <sup>(SPI)</sup> (SPI=EV/PV)	1.02
Cost /Schedule Index <sup>(CSI)</sup> (CSI=CPI x SPI)	1.02
Estimate at Completion <sup>(EAC1)</sup> (EAC1=BAC/CPI)	\$ 5,253,865.84
Variance at Completion <sup>(VAC1)</sup> (VAC1=BAC-EAC1)	\$ (15,692.84)

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

- 90% Contract Documents for Contract Package No 3 are 100% completed.
- Continue to coordinate with DPLU on land transfer of BPS site.
- Coordinated with DPLU on temporary construction easement for BPS site construction stockpiling.
- Revised Draft Geotechnical Report – WSPS (6-120 D3) for Contract Package 1 was submitted.
- Conducted the Contract Package 3 90% Workshop.
- It is currently anticipated that the projected Phase 2 budget will be fully utilized to complete the planned 2019 scope.

**Task 6 Pump Stations, Storage and Chemical Treatment Challenges**

- Completing the land acquisition of the parcel is required prior to beginning zoning process with New Berlin. Feedback during the review and zoning process could impact building materials and site improvements.