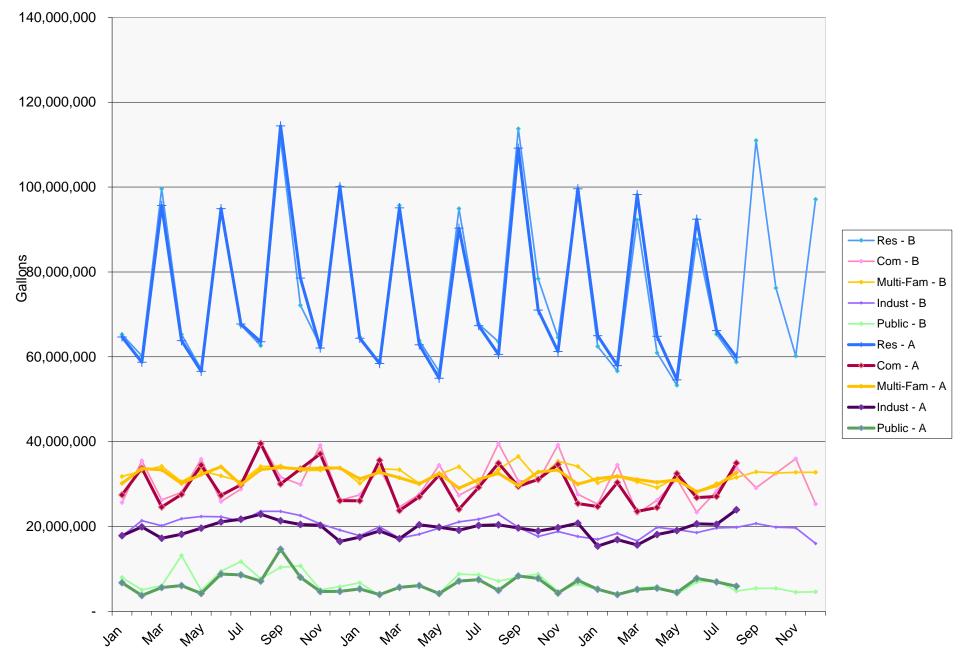
WAUKESHA WATER UTILITY STATEMENT OF REVENUES & EXPENSES MONTH ENDED 8/31/2018

		CURRENT N	IONTH				ANNUAL BUDGET		
	ACTUAL'18	BUDGET'18	VARIANCE	%	ACTUAL'18	BUDGET'18	VARIANCE	%	
OPERATING REVENUES:									
Residential	\$328,845.58	\$326,207.67	\$2,637.91	0.81	\$3,064,588.89	\$3,036,661.30	\$27,927.59	0.92	\$4,935,965.56
Commercial	144,388.96	143,693.20	695.76	0.48	942,422.85	979,949.16	(37,526.31)	(3.83)	1,511,321.72
Industrial	80,635.38	68,939.07	11,696.31	16.97	514,570.46	522,871.36	(8,300.90)	(1.59)	790,195.60
Public	23,254.91	19,808.56	3,446.35	17.40	183,179.21	180,076.80	3,102.41	1.72	302,092.85
Multi Family	136,535.05	136,169.42	365.63	0.27	1,031,335.21	1,057,469.37	(26,134.16)	(2.47)	1,618,382.44
Irrigation	1,028.61	0.00	1,028.61	0.00	11,760.28	0.00	11,760.28	0.00	0.00
Total Metered Sales	\$714,688.49	\$694,817.92	\$19,870.57	2.86	\$5,747,856.90	\$5,777,027.99	(\$29,171.09)	(0.50)	\$9,157,958.17
Private Fire Capacity	\$22,560.96	\$19,453.48	\$3,107.48	15.97	\$163,972.33	\$148,827.50	\$15,144.83	10.18	\$222,476.02
Public Fire Capacity	155,154.51	154,000.62	1,153.89	0.75	1,353,113.31	1,366,154.44	(13,041.13)	(0.95)	2,113,211.26
Other Operating Revenues	33,427.15	27,287.63	6,139.52	22.50	260,775.71	257,934.03	2,841.68	1.10	473,981.97
TOTAL OPERATING REVENUES	\$925,831.11	\$895,559.65	\$30,271.46	3.38	\$7,525,718.25	\$7,549,943.96	(\$24,225.71)	(0.32)	\$11,967,627.42
OPERATING EXPENSES:									
Source	\$50,472.68	\$56,778.77	(\$6,306.09)	(11.11)	\$402,151.59	\$412,230.16	(\$10,078.57)	(2.44)	\$680,345.28
Pumping	75,176.23	89,584.68	(14,408.45)	(16.08)	600,715.90	707,554.45	(106,838.55)	(15.10)	1,071,398.85
Treatment	26,214.05	32,890.66	(6,676.61)	(20.30)	243,741.96	311,125.28	(67,383.32)	(21.66)	491,137.92
Distribution	59,665.54	83,955.11	(24,289.57)	(28.93)	700,023.18	703,604.63	(3,581.45)	(0.51)	1,337,137.56
Customer Service	11,347.44	10,158.15	1,189.29	11.71	115,147.70	74,472.46	40,675.24	54.62	127,755.52
Administrative	81,649.37	113,658.09	(32,008.72)	(28.16)	893,370.45	1,079,840.93	(186,470.48)	(17.27)	1,584,571.00
Total	\$304,525.31	\$387,025.46	(82,500.15)	(21.32)	\$2,955,150.78	\$3,288,827.91	(333,677.13)	(10.15)	\$5,292,346.13
MANAGERS' MARGIN	621,305.80	508,534.19	112,771.61	22.18	4,570,567.47	4,261,116.05	\$309,451.42	7.26	6,675,281.29
Depreciation	150,689.43	152,003.45	(1,314.02)	(0.86)	1,216,661.90	1,216,027.60	634.30	0.05	1,824,041.40
Tax Equivalent	153,174.20	153,174.20	0.00	0.00	1,225,393.60	1,225,393.60	0.00	0.00	1,838,090.40
Other Taxes	12,248.31	12,124.45	123.86	1.02	97,455.87	97,120.60	335.27	0.35	158,227.20
TOTAL OPERATING EXPENSES	\$620,637.25	\$704,327.56	(\$83,690.31)	(11.88)	\$5,494,662.15	\$5,827,369.71	(\$332,707.56)	(5.71)	\$9,112,705.13
TOTAL OPERATING INCOME(LOSS)	\$305,193.86	\$191,232.09	\$113,961.77	59.59	\$2,031,056.10	\$1,722,574.25	\$308,481.85	17.91	\$2,854,922.29
NON OPERATING INCOME&(EXPENSE)	(134,272.43)	(200,729.50)	66,457.07	(33.11)	(1,072,481.65)	(1,518,214.02)	445,732.37	(29.36)	(467,892.24)
NET INCOME(LOSS)	\$170,921.43	(\$9,497.41)	\$180,418.84	(1899.66)	\$958,574.45	\$204,360.23	\$754,214.22	369.06	\$2,387,030.05

WWU Billed Gallons Actual v Budget 2016 - 2018



WAUKESHA WATER UTILITY BALANCE SHEET 8/31/2018

ASSETS	THIS YEAR
	¢40 507 004 04
CASH AND INVESTMENTS ACCOUNTS RECEIVABLE	\$19,537,001.34
RECEIVABLE FROM SEWER REIMB	6,551,060.80 (56,006.50)
MATERIALS & SUPPLIES	569,545.39
OTHER CURRENT ASSETS	15,840.00
ACCRUED UTILITY REVENUE	0.00
TOTAL CURRENT ASSETS	\$26,617,441.03
DEFERRED	<i> </i>
DEFERRED ASSETS	\$21,875,301.35
TOTAL DEFERRED DEBITS	21,875,301.35
RESTRICTED	
DEBT PAYMENT ACCOUNT	\$1,198,128.05
DEBT RESERVE ACCOUNT	476,875.72
CONSTRUCTION FUND	148.74
TAX EQUIV RESERVE ACCOUNT	1,265,195.54
TOTAL RESTRICTED FUNDS	\$2,940,348.05
LONG TERM	
UTILITY PLANT IN SERVICE-NET	\$90,225,280.90
PROPERTY HELD FOR FUTURE USE	435,089.69
CONSTRUCTION WORK IN PROGRESS	2,494,015.46
RESTRICTED NET PENSION	(120,942.00)
TOTAL UTILITY PLANT	\$93,033,444.05
TOTAL ASSETS	\$144,466,534.48
LIABILITIES CURRENT CUR PORTION BOND	610,000.00
NOTES PAYABLE	26,610,000.00
ACCOUNTS PAYABLE	1,610,309.80
PAYABLE TO OTHER FUNDS	3,064,955.13
CUSTOMER DEPOSITS	199,048.30
A/P MISCELLANEOUS	0.00
TAXES ACCRUED	1,249,920.00
INTEREST ACCRUED	690,336.22
EMPLOYEE WITHHOLDING	9,677.77
ACCRUED PAYROLL	42,480.00
ACCRUED VACATION	236,087.81
TOTAL CURRENT LIABILITIES	\$34,322,815.03
DEFERRED CREDITS	* 0.00
CUSTOMER ADVANCES CONSTRUCTION	\$0.00
	1,019,230.74
OPEB LIABILITY OTHER DEFERRED CREDITS	3,957,262.85 2,864,593.79
TOTAL DEFERRED CREDITS LONG-TERM	\$7,841,087.38
BONDS	\$28,287,213.66
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)	958,574.45
TOTAL EQUITY	\$74,015,418.41
TOTAL EQUITY AND LIABILITIES	\$144,466,534.48

P:\FINANCE\FINANCIAL STATEMENTS\2018\August 2018\August 2018 BS.xlsx9/14/20181:43 PM

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

\$24,927,359

SOURCES:

	Operations: Customers - water sales Waste Water Utility - joint metering billing Rent of utility property - cellular leases Receipts on sewer bills Receipts from return flow Reimbursement from City for return flow expenses Other - miscellaneous Total Cash From Operating Activities	\$875,929 112,013 12,153 1,014,041 33,972 647,750 11,178 \$2,707,036		
	Grants Contributions Issuance of long-term debt	2,739		
	Sale of short-term debt Interest income Total Cash From Capital/ Investing Activities	<u>41,437</u> \$44,176		
	Total Cash Receipts	-	\$2,751,212	
<u>USES:</u>	Salaries, wages, payroll taxes and benefits Subcontracted and outside services Disbursement to city for sewer transfer Disbursement to city for return flow transfer Pumping power Purchase of materials and supplies Tax equivalent - PILOT Acquisition of capital assets Debt service - principal Debt service - interest	\$334,659 16,491 2,418,624 7,143 59,959 206,617 2,157,728		
	Total Cash Used	-	\$5,201,221	
	Net Change in Cash			(\$2,450,010)
	Cash Balance - August 31, 2018			\$22,477,349

WWU TRANSMISSION AND DISTRIBUTION BUDGET VARIANCE ANALYSIS

Project	Project #	Description/Location	Budget		Current Stimate	Costs to Date	Ale	dermanic District	Construction Completion
WM offsets from WSB from Genesee Road to Fiddlers Creek	M00501	Water Main offsets to accommodate changes in the storm sewer and roadway alignments. Project run by		\$	134,208	\$ 20,412	6 7 13	Jack Wells Daniel J. Manion Dean Lemke	Fall 2019
Drive		WDOT.					14		
Northview Rd - Grandview to	M00518	Replace 1,500 feet of 8-inch main from 1967 with 12-inch PVC water main on Northview Rd. between		\$	360,504	\$ 165,598	5	Peter Bartels	October 2018
Tallgrass		Grandview and Tallgrass. Project done with City.					14	Bill Boyle	2010
South St - Grand to Barstow and Gaspar St - Main to Broadway	M00519	Replace 720 feet of 12-inch main from 1938 with 12-nch dulctile 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	\$ 339,809	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	\$ 215,021	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	Summer 2019
	Routine I		\$ 2,160,072		1,519,449	\$ 740,840			
	Misc Ro Total R		\$ 905,584 \$ 3,065,656	\$	905,584 2,425,033	\$ 905,584 \$1,646,424			
	rotar r		φ 3,003,000	Ψź	2,420,000	ψ1,0+0,+2+			
Main St - Barstow to	GLCD0007	Replace 2,800 feet of 8-inch from 1909 with 24-inch ductile iron on Main St. from Barstow to		\$	2,049,467	\$ 845.613	3	Cassie Rodriguez	October
Lombardi		Lombardi. Project being done with City sanitary.		·	,, -	•,	11	Erik Helgestad	2018
N Moreland -	GLCD0009	Replace 2,000 feet of 8-inch from 1957 with 16-inch ductile iron		\$	616,800	\$ 21,542 .	4	Joe Pieper	October
Michigan to Summit	GLODOOOS	main on N. Moreland Blvd. from Michigan to Summit.		Ψ	010,000		15	Cory Payne	2018
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	\$ 263,359	2	Eric Payne	September 2018
Disti	ribution Syste	m Improvements	\$ 4,001,241	\$	3,013,730	\$1,130,513			
Tot	al Transmissi	on & Distribution	\$ 7,066,897	\$	5,438,763	\$2,776,937			
Bold Totals are Based on I			φ1,000,031	Ψ	0,400,700	ψ2,110,331			

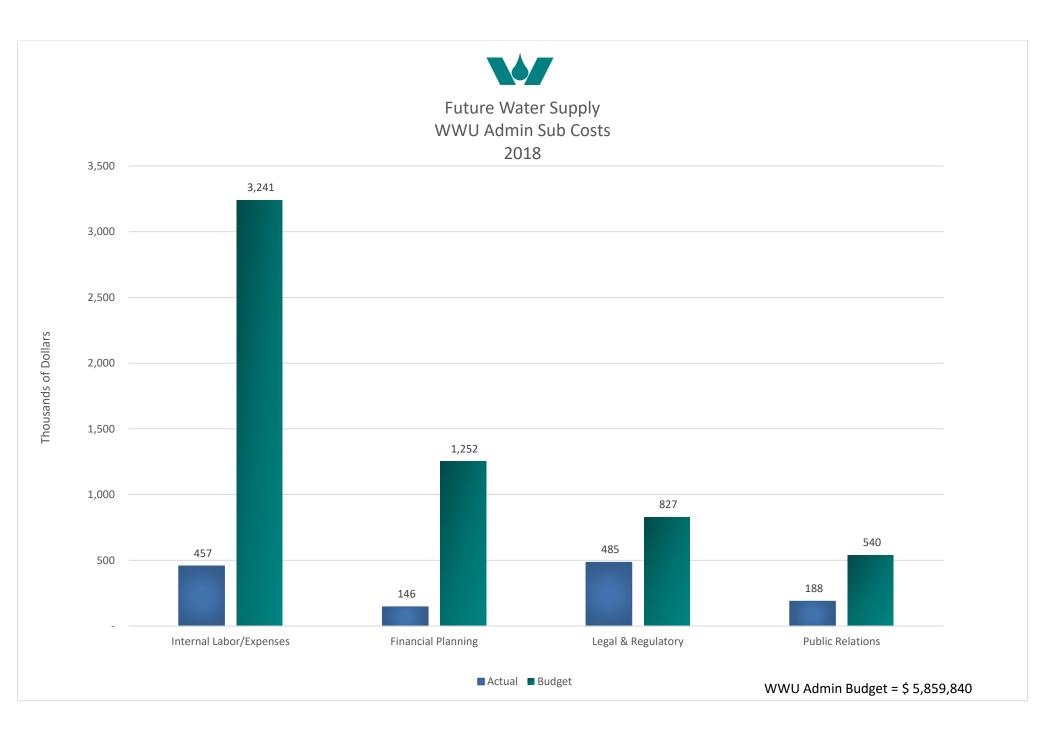
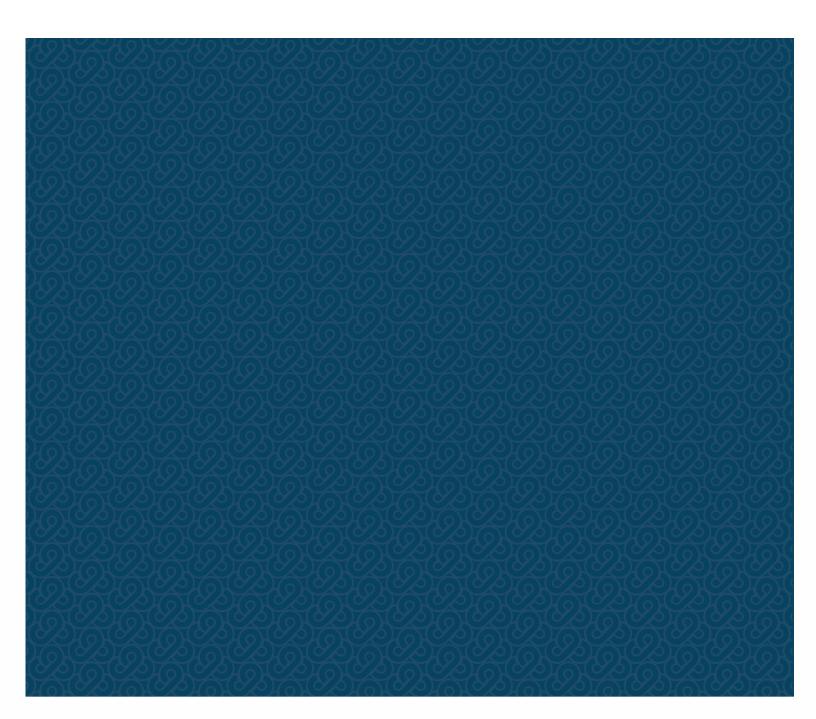




Exhibit 5 – Earned Value Analysis





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 (Invoice No. 24)

(Excluding Allowances and Contingencies)



\$34.0 \$33.0 Budget Projection, Updated for 2018 (PV) \$32.0 \$31.0 Actual Budget Spent \$30.0 \$29.0 **\$28.0 — —** Earned Value \$27.0 \$26.0 \$25.0 \$24.0 \$23.0 \$22.0 \$21.0 \$20.0 \$19.0 \$18.0 . \$17.0 \$16.0 \$15.0 \$14.0 Millions \$13.0 \$12.0 \$11.0 \$10.0 \$9.0 \$8.0 \$7.0 \$6.0 - ---\$5.0 \$4.0 \$3.0 \$2.0 \$1.0 \$- $\frac{1}{10^{10}} \frac{1}{10^{10}} \frac{1}{10^{10}}$

% Spent 65.9% Actual Budget Spent \$21,937,539 Schedule Performance Index (SPI) 0.90

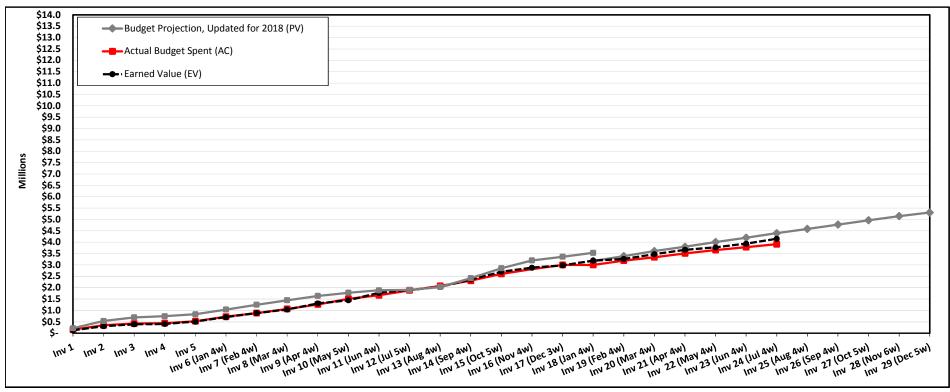
Cost Performance Index (CPI) 1.13

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



Great Lakes Water Supply Program Phase 1 and 2 Task 1 - Program Management Earned Value Chart (Excluding Allowances and Contingencies)





Earned Value Calculations	
Budget at Completion ^{(BAC)(1)} (BAC)	\$ 5,390,965
Estimate to Complete ^(ETC1) (ETC1=EAC1-AC)	\$ 1,169,442
Cost Variance ^(CV) (CV=EV-AC)	\$ 235,953
Schedule Variance ^(SV) (SV=EV-PV)	\$ (248,496)
Cost Performance Index ^(CPI) (CPI=EV/AC)	1.06
Schedule Performance Index ^(SPI) (SPI=EV/PV)	0.94
Cost /Schedule Index ^(CSI) (CSI=CPI x SPI)	1.00
Estimate at Completion ^(EAC1) (EAC1=BAC/CPI)	\$ 5,084,532.53
Variance at Completion ^(VAC1) (VAC1=BAC-EAC1)	\$ 306,432.47

Task 1 Program Management Plan/Progress

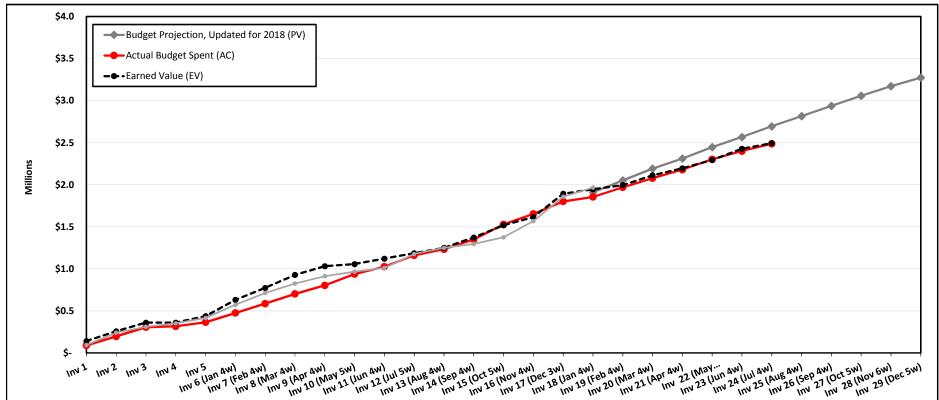
- Prepared and submitted Invoice No. 23; updated the Financial Management Dashboard and Report for Invoice No. 23.
- Held tweleve (12) Program Team Task 1
 meetings.
- Continued developing draft PSC Type 2
 Application for Certificate of Authority
 (1-800 D1)

Task 1 Program Management Challenges

 The Program Open House in Milwaukee occurred on 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 which is a critical path item 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)	\$ 828,991
Cost Variance ^(CV) (CV=EV-AC)	\$ 7,314
Schedule Variance (SV) (SV=EV-PV)	\$ (200,664)
Cost Performance Index ^(CPI) (CPI=EV/AC)	1.00
Schedule Performance Index ^(SPI) (SPI=EV/PV)	0.93
Cost /Schedule Index ^(CSI) (CSI=CPI x SPI)	0.93
Estimate at Completion ^(EAC1) (EAC1=BAC/CPI)	\$ 3,315,964.03
Variance at Completion ^(VAC1) (VAC1=BAC-EAC1)	\$ 9,751.97

Task 2 Programmatic Support Services Plan/Progress

- Finalized ACE18 PowerPoint presentation.
- Discussed current water rates, the new return flow charge on water bills, future water rates erroneous information published in newspaper with WWU General Manager Dan Duchniak and Waukesha Mayor Shawn Reilly.
- Drafted acceptance speeches for Mayor Reilly and for WWU General Manager Dan Duchniak for regional awards related to the water supply efforts.

Task 2 Programmatic Support Services Challenges

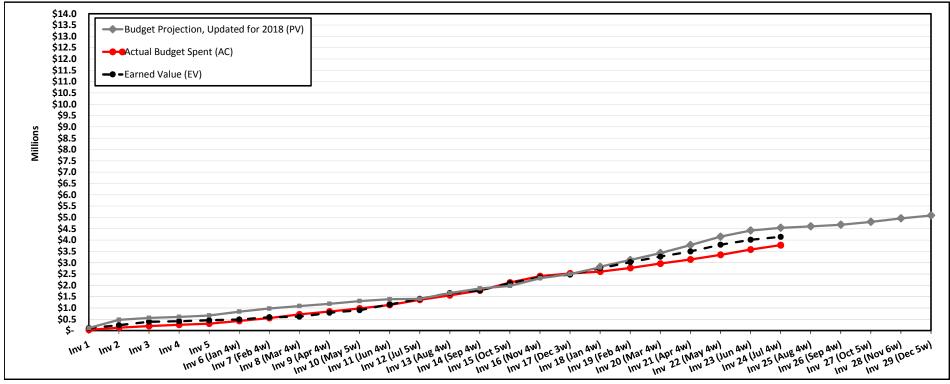
.

WWU legal counsel will be discussing the Draft 2018 Program Information Plan with Wisconsin PSC. The results of the discussion may impact the Program strategic communication plan.



Great Lakes Water Supply Program Phase 1 and 2 Task 3 - Permitting Earned Value Chart (Excluding Allowances and Contingencies)





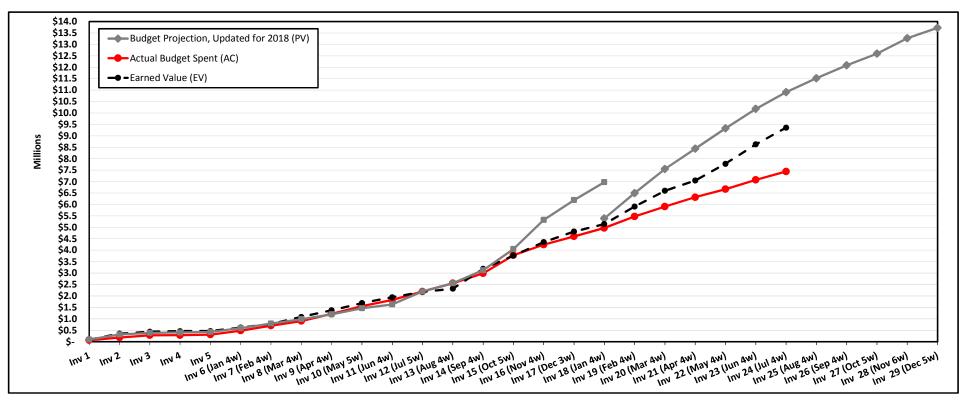
Note: The Task 3 amount for Invoice 5 was reported incorrectly in the previous version of this Report. The correct cumulative amount is \$263.96 lower. The Task 3 Budget at completion amount was revised to reflect Task Authorizations and contract amendments

Earned Value Calculations		Task 3 Permitting Plan/Progress	Task 3 Permitting Challenges
Budget at completion ^{(BAC)(1)} (BAC) Estimate to Complete ^(ETC1) (ETC1=EAC1-AC) Cost Variance ^(CV) (CV=EV-AC) Schedule Variance ^(SV) (SV=EV-PV) Cost Performance Index ^(CPI) (CPI=EV/AC) Schedule Performance Index ^(SPI) (SPI=EV/PV) Cost /Schedule Index ^(CSI) (CSI=CPI x SPI) Estimate at Completion ^(EAC1) (EAC1=BAC/CPI) Variance at Completion ^(VAC1) (VAC1=BAC-EAC1)	\$ 5,083,873 \$ 859,987 \$ 366,504 \$ (400,074) 1.10 0.91 1.00 \$ \$ 4,633,849.95 \$ 450,023.05	 Held five (5) Program Task 3 meetings. Continued drafting the PSC CA application and the WDNR/USACE wetlands and waterways applications and supporting documents. A partial draft of the PSC CA application was submitted to the PM team for preliminary review. Submitted the draft Facility Plan Amendment to the QM team, WWU, and CWP staff for review. Verified required permits were obtained for Supply Pipeline field investigations. 	 The delay on selecting the preferred Water Supply Pump Station location has caused additional delay on the PSC CA application and the WDNR/USACE wetlands and waterways application sections related to the supply route. WisDOT's approval of the hardship application to utilize the I-43 ROW is needed to submit the PSC CA application with the current preferred route.



Great Lakes Water Supply Program Phase 1 and 2 Task 4 - Route Study and Pipeline Earned Value Chart (Excluding Allowances and Contingencies)





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)	\$ 3,485,905
Cost Variance ^(CV) (CV=EV-AC)	\$ 1,917,558
Schedule Variance ^(SV) (SV=EV-PV)	\$ (1,550,053)
Cost Performance Index ^(CPI) (CPI=EV/AC)	1.26
Schedule Performance Index ^(SPI) (SPI=EV/PV)	0.86
Cost /Schedule Index ^(CSI) (CSI=CPI x SPI)	1.08
Estimate at Completion ^(EAC1) (EAC1=BAC/CPI)	\$ 10,928,341.29
Variance at Completion ^(VAC1) (VAC1=BAC-EAC1)	\$ 2,815,708.00

Task 4 Route Study and Pipeline Plan/Progress

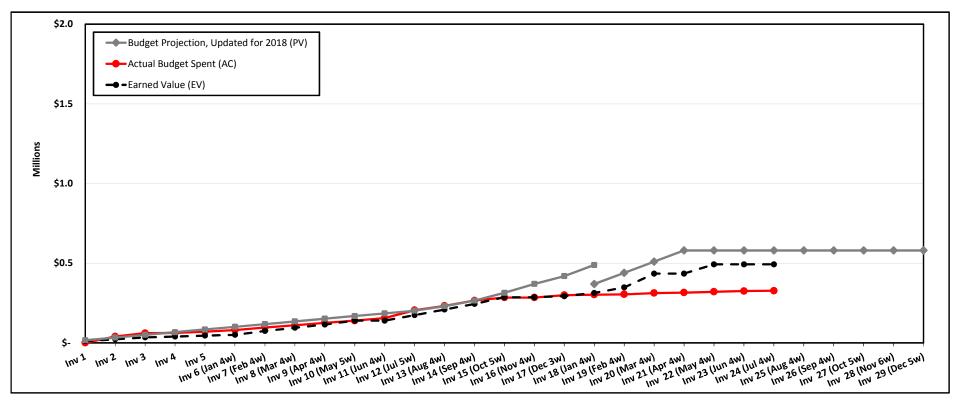
- The Route Study: Milwaukee (4-100 D2) was resubmitted to WWU updated per comments received.
- The Preliminary Design Report (6-240 D1) was further refined per comments received.
- 60% Contract Documents were further developed for the Water Supply and Return Flow Pipelines.

Task 4 Route Study and Pipeline Challenges

 Changes to the selected WSPS location and connection to the MWW distribution system could negatively impact the schedule for submission of the PSC Construction Authorization, which is a critical path item 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)	\$ 57,742
Cost Variance ^(CV) (CV=EV-AC)	\$ 165,709
Schedule Variance ^(SV) (SV=EV-PV)	\$ (87,130)
Cost Performance Index ^(CPI) (CPI=EV/AC)	1.51
Schedule Performance Index ^(SPI) (SPI=EV/PV)	0.85
Cost /Schedule Index ^(CSI) (CSI=CPI x SPI)	1.28
Estimate at Completion ^(EAC1) (EAC1=BAC/CPI)	\$ 384,949.44
Variance at Completion ^(VAC1) (VAC1=BAC-EAC1)	\$ 194,951.63

Task 5 Distribution System Plan/Progress

- Revise Model Update Calibration Technical Memorandum (5-110 D1) based on WWU comments.
- Revise Distribution System Evaluation and Improvement Identification Technical Memorandum (5-120 D1) based on WWU comments.

Task 5 Distribution System Challenges

• Scope and budget associated with Tasks 5-200 and 5-300 water quality has been removed.



Great Lakes Water Supply Program Phase 1 and 2 Task 6 - Pump Stations, Storage, and Chemical Treatment Earned Value Chart (Excluding Allowances and Contingencies)



	Actual Budget Spent (AC)	
-	← – Earned Value (EV)	
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Earned Value Calculations	
Budget at completion ^{(BAC)(1)} (BAC)	\$ 5,018,415
Estimate to Complete ^(ETC1) (ETC1=EAC1-AC)	\$ 955,610
Cost Variance ^(CV) (CV=EV-AC)	\$ 124,276
Schedule Variance ^(SV) (SV=EV-PV)	\$ (100,938)
Cost Performance Index ^(CPI) (CPI=EV/AC)	1.03
Schedule Performance Index ^(SPI) (SPI=EV/PV)	0.98
Cost /Schedule Index ^(CSI) (CSI=CPI x SPI)	1.01
Estimate at Completion ^(EAC1) (EAC1=BAC/CPI)	\$ 4,863,751.00
Variance at Completion ^(VAC1) (VAC1=BAC-EAC1)	\$ 154,664.10

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

- Revisions to the Preliminary Design Report (PDR) (6-240 D1).
- Held meeting with WDNR on stormwater and clear water discharge.
- Continued progress on Contract Drawings and Specifications
- Continued progress on the BPS Stormwater Modeling.
- Coordinated additional geotechnical investigations.
- Proceeding with coordination with DPLU for Land Transfer for BPS site.

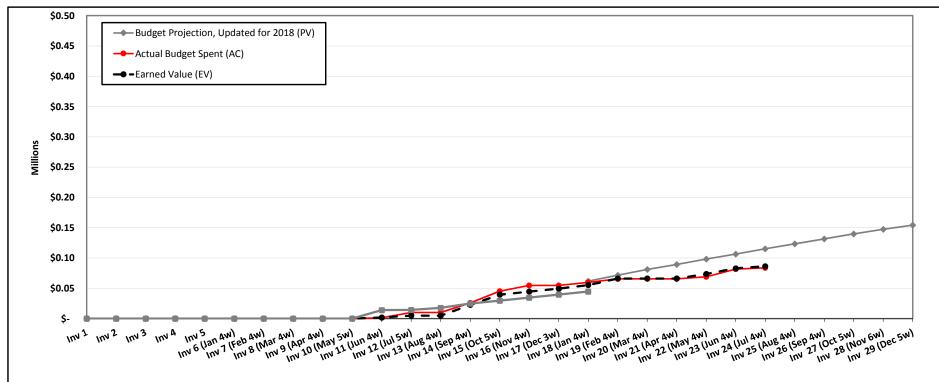
Task 6 Pump Stations, Storage and Chemical Treatment Challenges

- The site selection process must be complete for the WSPS in order to perform site investigations including: topographical survey, geotechnical investigation, easement and land acquisitions and environmental assessment.
- Land Acquisition needs to commence in order to begin zoning process with New Berlin which could impact building materials and site improvements.



Great Lakes Water Supply Program Phase 1 and 2 Task 7 - Construction and Construction Management Earned Value Chart (Excluding Allowances and Contingencies)





Earned Value Calculations	
Budget at completion ^{(BAC)(1)} (BAC)	\$ 154,378
Estimate to Complete ^(ETC1) (ETC1=EAC1-AC)	\$ 66,012
Cost Variance ^(CV) (CV=EV-AC)	\$ 2,539
Schedule Variance (SV) (SV=EV-PV)	\$ (28,789)
Cost Performance Index ^(CPI) (CPI=EV/AC)	1.03
Schedule Performance Index ^(SPI) (SPI=EV/PV)	0.75
Cost /Schedule Index ^(CSI) (CSI=CPI x SPI)	0.77
Estimate at Completion ^(EAC1) (EAC1=BAC/CPI)	\$ 149,839.98
Variance at Completion ^(VAC1) (VAC1=BAC-EAC1)	\$ 4,538.02

Task 7 Construction and Construction Management	Task 7 Construction and Construction Management
Plan/Progress	Challenges
Draft Preliminary Contracting Strategy Report submitted for internal review.	 Impending Federal funding and financing opportunities may impact the contracting strategy for the Program. A Contracting Strategy Workshop will be scheduled.