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March 9, 2017

State of Colorado  
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**FINAL REPORT (August 2016 through December 2016): Contract number CTGG1 2016-1081 - WSPA Grant No. 2 –  
Conjunctive Use Infrastructure**

Dear Derek,

The Conjunctive Use Infrastructure Grant for the WISE project commenced with our Notice to Proceed on November 30, 2015. This grant specifically relates to Task 3 of Exhibit A or Scope of Work of the grant agreement.

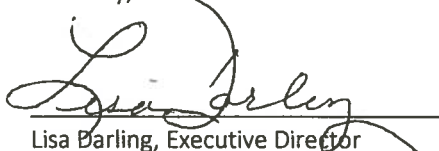
Task 3 – This task lays out the installation and construction of infrastructure and equipment and includes the Quebec pump station bypass and accessories, the chemical equipment for chloramine disinfection system, the building construction including purchase of structural concrete, construction of masonry walls, and building finishes, and the design, purchase, and installation of electrical system. The deliverables for this task include: 1) installed and operational Quebec pump station bypass system, 2) installed and operational chemical equipment for chloramine disinfection system, 3) constructed and finished treatment plant building, and 4) installed and functioning electrical system.

Since the Progress Report delivered on August 30, 2016, all the components described in Task 3 are constructed, tested, and have achieved substantial completion which has been granted as of December 23, 2016. The Quebec pump station bypass system, chemical equipment for the chloramine disinfection system, and the treatment building construction (including structural concrete, construction of masonry walls, and building finishes) have all been fully constructed. WISE staff is currently working to resolve final punch list items for the treatment building, chloramine disinfection system, and electrical system.

For further detail as provided by Western Summit Constructors, Inc., please see the attached construction update reports dating from August 2016 through November 2016. Also attached here are several photos documenting construction and completion of these components.

As mentioned already, Task 3 as well as Task 4 (System Start-up) and Task 5 (Water Treatment Plant Controls) are substantially complete. Regarding system start-up, our operations team is working to finalize record drawings, O&M Manuals, and final punch list items. Should you have any questions, please do not hesitate to contact me.

Sincerely,



Lisa Darling, Executive Director

Enclosures: Progress reports from WSCI (Aug 2016-Nov 2016) & Photos of construction

# WISE Design-Build Project

August 2016

**Design-Builder:**  
Western Summit (WSCl)

**Designer of Record:**  
Tetra Tech

**Award Date & Notice To Proceed:**  
May 6, 2015

**Substantial Completion:**  
December 23, 2016

**Original Duration:** 635 Days  
**Days Added by CO:** 52  
**Current Duration:** 687 Days  
**Days Elapsed Since NTP:** 475

**Actual % Work Complete:** 95%  
**Planned % Work Complete:** 97%

**Award Amount:** \$13,558,676  
**Change Order Total:** \$219,666  
**Current Contract Value:** \$13,778,342  
**Invoiced to Date:** \$12,867,489

**Cost Growth:** 1.6%

**Schedule Growth:** 0 Days



## Overall Summary

The WTP Mechanical and piping work along with, permit closeout and punch list continued at all sites.

## Schedule and Budget Status

WSCl and WISE have continued to work aggressively to accelerate the construction of the project. (Figure 1)

As seen on the cash flow diagram (Figure 2), the project is tracking just below planned cash flow due to the delay in SCADA sites.

## Accomplishments/Highlights

**Tank:** The tank site saw the continuation of completing punch list items.

**QSWTP:** The water treatment plant received electric and gas utilities in August. Process pipe installation and pressure testing was also completed during August. Sensor and analyzer, plumbing, and HVAC installation continued through the month. The site continued to see the close out of permits and is on track to close out even more permits in September.

**Connections:** No progress to report for the month of August.



Figure 1: Progress Schedule Summary

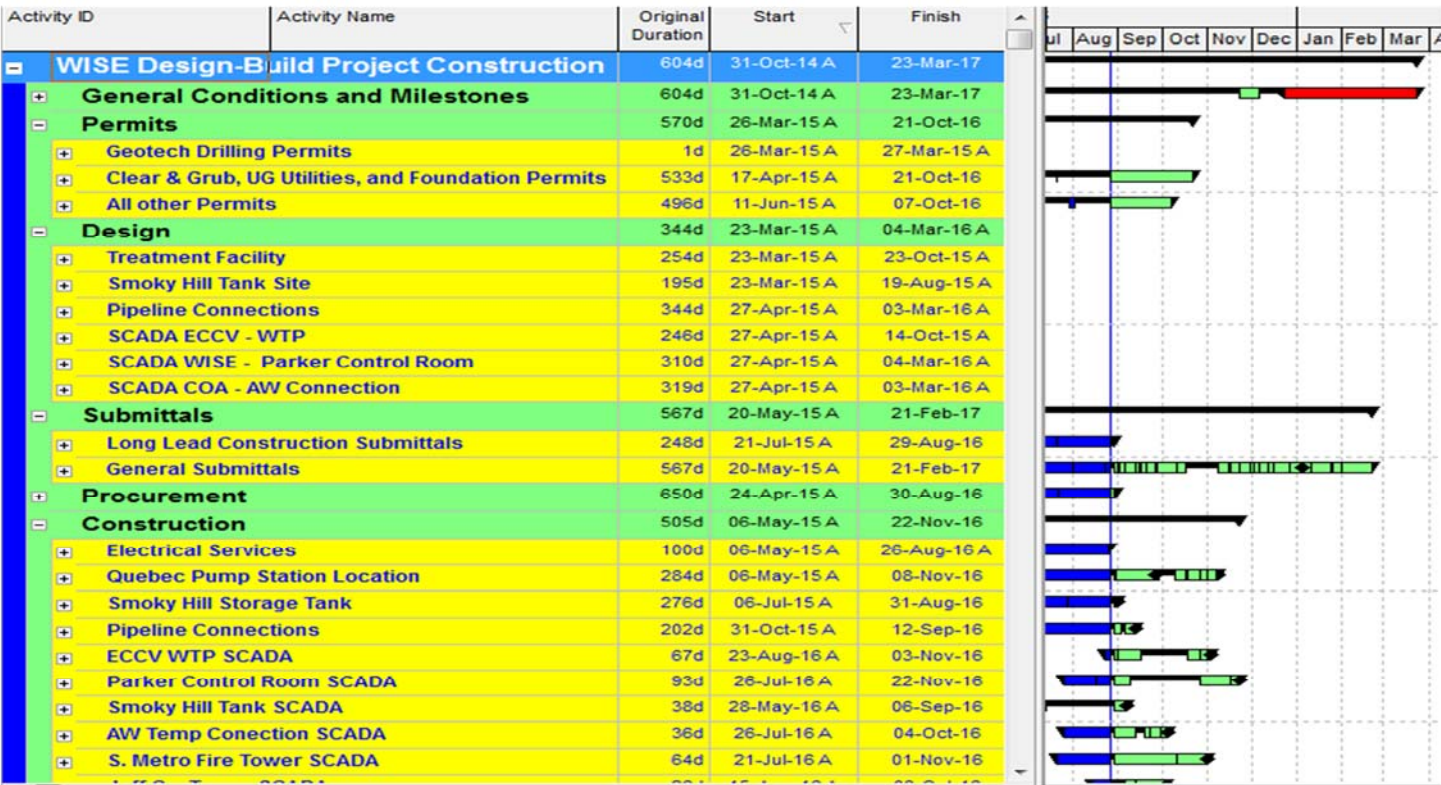
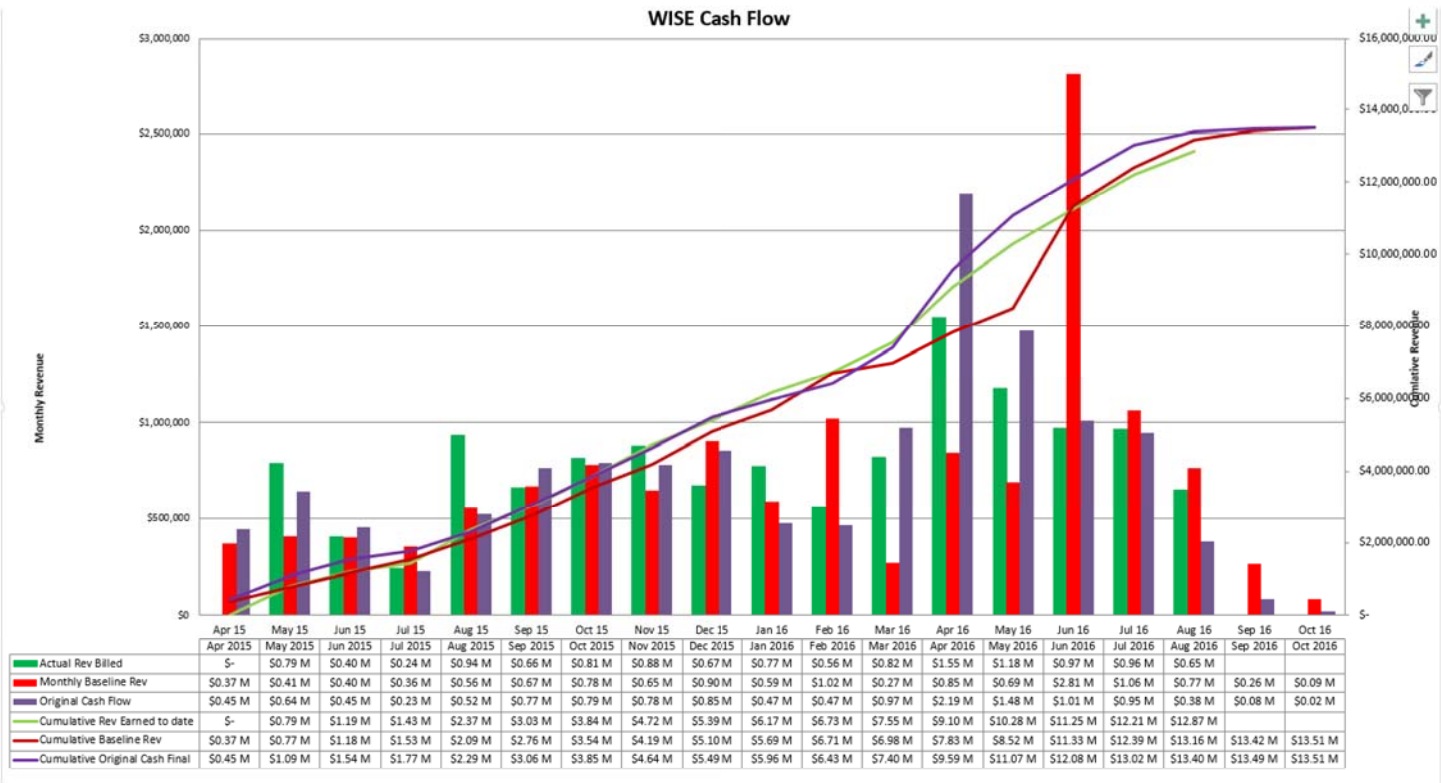


Figure 2: Cash Flow Projection and Summary\*



\*Based on a revised baseline schedule.

# WISE Design-Build Project

September 2016

**Design-Builder:**  
Western Summit (WSCl)

**Designer of Record:**  
Tetra Tech

**Award Date & Notice To Proceed:**  
May 6, 2015

**Substantial Completion:**  
December 23, 2016

**Original Duration:** 635 Days  
**Days Added by CO:** 52  
**Current Duration:** 687 Days  
**Days Elapsed Since NTP:** 505

**Actual % Work Complete:** 98%  
**Planned % Work Complete:** 99%

**Award Amount:** \$13,558,676  
**Change Order Total:** \$223,693  
**Current Contract Value:** \$13,782,369  
**Invoiced to Date:** \$13,323,821

**Cost Growth:** 1.6%

**Schedule Growth:** 0 Days



## Overall Summary

In the month of September, permit closeout and punch list continued at all sites.

## Schedule and Budget Status

WSCl and WISE have continued to work aggressively to accelerate the construction of the project. (Figure 1)

As seen on the cash flow diagram (Figure 2), the project is tracking just above planned cash flow due to acceleration of the Tank and WTP.

## Accomplishments/Highlights

**Tank:** The tank site received a CO from City of Aurora in September and temporary BMPs were removed in preparation for closing out permits with CDPHE and E470.

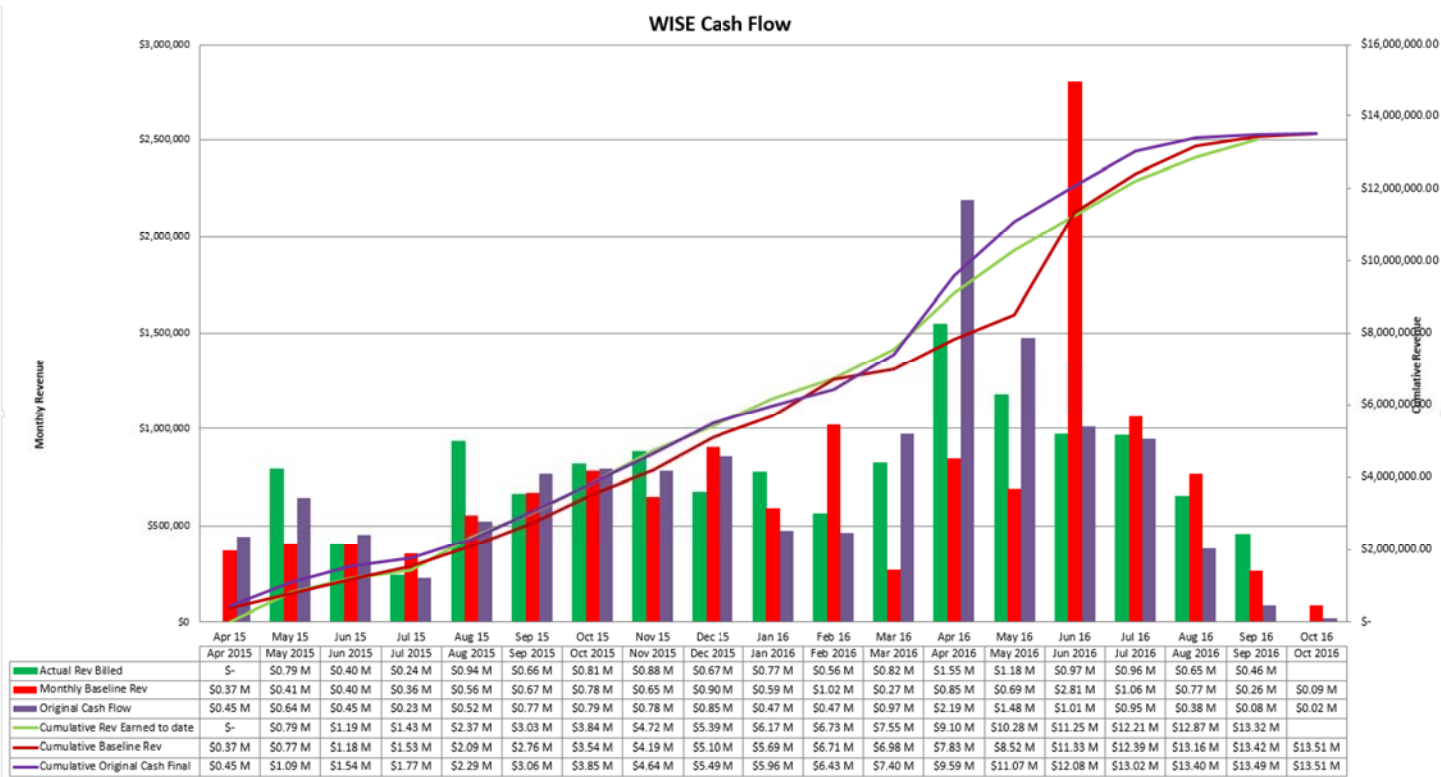
**QSWTP:** The water treatment plant was started tested in late September in preparation for the 72 hour test. The site continued to coordinate with WISE and ECCV hosting multiple trainings for the equipment and systems. The water treatment plant continued to close out permits such as CDPHE APEN and DC Temporary Access and continued on receiving final Douglas County inspections in preparation to receive its CO.

**Connections:** The Aurora Water Connection continued electrical installation in September. The site looks to finish electrical installation and close out its one outstanding permit in October.

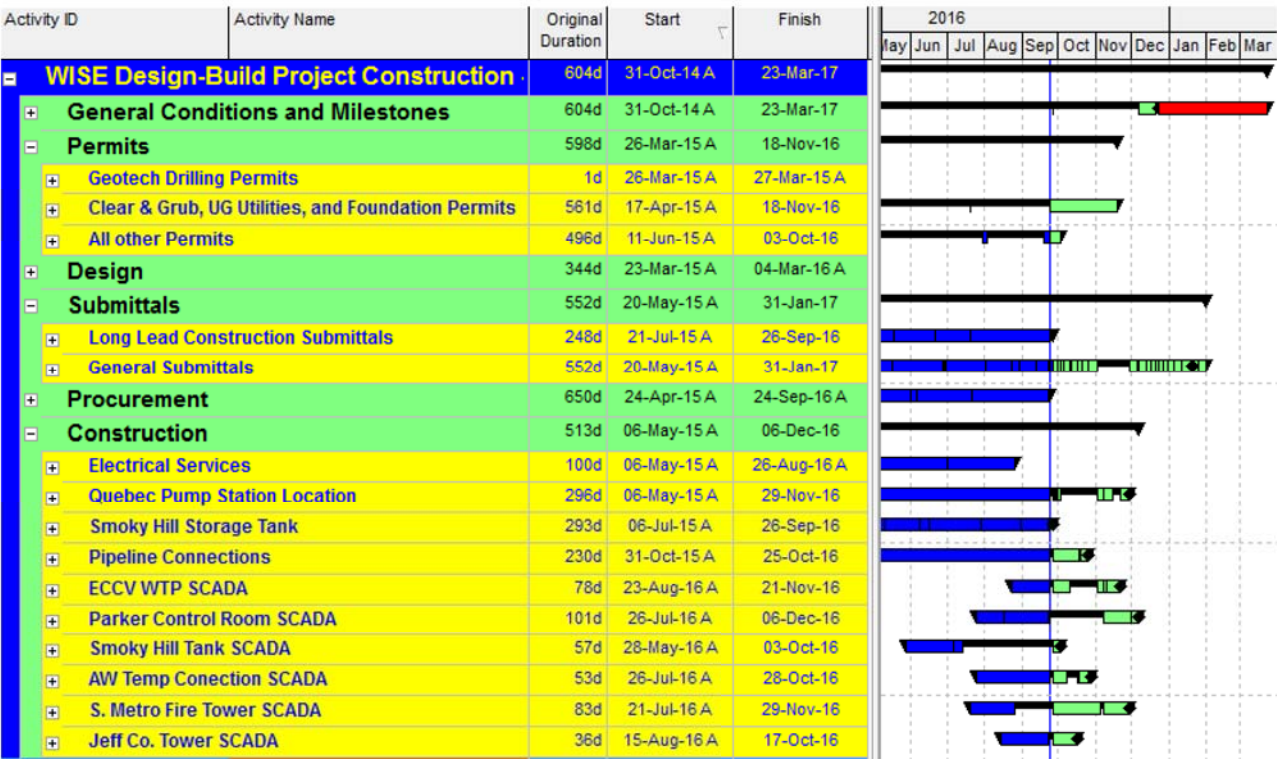


Figure 1: Progress Schedule Summary

Figure 2: Cash Flow Projection and Summary\*



\*Based on a revised baseline schedule.





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## MEMORANDUM

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**TO:** WISE BOARD AND MEMBERS  
**FROM:** LOGAN BURBA  
**SUBJECT:** WISE CONSTRUCTION PROJECT MONTHLY UPDATE  
**DATE:** 10/17/16  
**CC:** RICK MARSICEK, RUSS DYKSTRA

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Significant completions:

- Temporary BMPs removed at Tank in preparation for permit close out
- Installation of SCADA equipment at communication towers

General in-progress items:

- Western Summit working through start-up plan and will begin series of start-up related meetings with SMWA, Parker, AW, and ECCV
- SCADA programming and coordination meetings and design/planning continuing
- Thorough testing of the SCADA and software system at Water Treatment Plant
- Training for system components being scheduled with operations teams
- Electrical installation occurring at Aurora Connection site

Important upcoming activities

- SCADA system testing coming over upcoming month
- Preparation to test filter material over 72-hour continuous operation

Summary of Change Orders

Budget Item/Change Order Description	Amount
<b>Initial Contract Amount</b>	\$13,558,676.49
<b>Change Orders No. 1-11 (through September)</b>	\$223,693.00
<b>Last Month's Total</b>	\$13,782,369.49
<b>Change Orders This month</b>	
<b>New Total</b>	<b>\$13,782,369.49</b>

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## MEMORANDUM

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**TO:** WISE BOARD AND MEMBERS  
**FROM:** LOGAN BURBA  
**SUBJECT:** WISE CONSTRUCTION PROJECT MONTHLY UPDATE  
**DATE:** 11/11/16  
**CC:** RICK MARSICEK, RUSS DYKSTRA

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Significant completions:

- Completed 72-hour filter acceptance test at WTP
- Completed factory acceptance test of Aurora PLC for connection site
- Aurora panel installed at connection site and ready for testing

General in-progress items:

- Western Summit working through start-up plan and will begin series of start-up related meetings with SMWA, Parker, AW, and ECCV
- SCADA programming and coordination meetings and design/planning continuing
- Ongoing process testing at WTP
- Training for system components ongoing with operations teams
- SCADA and valve testing at Aurora connection site

Important upcoming activities

- SCADA system testing coming over upcoming month

Summary of Change Orders

Budget Item/Change Order Description	Amount
<b>Initial Contract Amount</b>	\$13,558,676.49
<b>Change Orders No. 1-11 (through October)</b>	\$223,693.00
<b>Last Month's Total</b>	\$13,782,369.49
<b>Change Orders This month</b>	
Change Order No. 12 (Changes in Aurora Connection panel as agreed)	\$3,246.00
Change Order No. 13 (Work associated with unmarked utility at Aurora Connection. This also closes PPCO 102, blowoff at Pressure Sustaining Valve)	\$6,640.00
<b>New Total</b>	<b>\$13,792,255.49</b>











