AMENDMENT NO. 1 TO AGREEMENT

Project: 2021 Water Facilities Arc Flash Analysis Assessment Report, Project No. 21-2635/ CIP NO. 51318

Background Data: Effective Date of Agreement: June 07, 2021
Owner: City of Rapid City
Consultant: Advanced Engineering and Environmental Services, LLC

Nature of Amendment: This amendment includes the development of an Electrical Safety Program. The Electrical Safety Program is needed in order to comply with the National Fire Protection Association (NFPA) 70E 2018, the program will align with 29 CFR 1910 Subpart S of the Occupational Safety and Health Administration (OSHA). The amendment will also remove the Robbinsdale Booster Station, Well No. 5, and Well No. 8 from the arc flash analysis report, these facilities are in construction or will be in construction rendering their study obsolete. This amendment will also extend the contract completion date from January 31, 2022 to December 31, 2022.

Current Contract Amount: $243,374.00
Change Requested: $16,774.37
New Contract Amount: $260,148.37

Owner and Engineer hereby agree to modify the above referenced Agreement as set forth in this Amendment. All provisions of the Agreement not modified by this or previous Amendments remain in effect. The effective date of this Amendment is: ____________________________.

CITY OF RAPID CITY: Engineer:

By: ____________________________ By: ____________________________
  Steve Allender, Mayor  Dustin Dale, P.E.,
  Advanced Engineering and Environmental Services, LLC

Date Signed: ____________________ Date Signed: ____________________

ATTEST:

By: ____________________________
  Pauline Sumption, Finance Director

Date Signed: ____________________
EXHIBIT A

The Amendment removes the data collection and assessment of Well No. 5, Well No. 8, and the Robbinsdale Booster. These sites are either currently being rehabilitated or are scheduled in the coming year. The rehabilitation of these sites would render the data collection and arc flash analysis information obsolete.

The Amendment includes Task 5, the development of an Electrical Safety Program and revised contract dates for both the existing project and the Electrical Safety Program. Specific aspects of the project are as follows:

**TASK 1 - MEETINGS AND PROJECT MANAGEMENT:**

No additional services.

**TASK 2 - DATA REVIEW AND SITE DATA COLLECTION:**

1. Removal of Site Data Collection for Well No. 5, Well No. 8, and Robbinsdale Booster.

**TASK 3 - ARC FLASH RISK ASSESSMENT ANALYSIS:**

1. Removal of Site Data Collection for Well No. 5, Well No. 8, and Robbinsdale Booster.

2. Removal of Task 3.4 Supplemental Engineering.

**TASK 4 - EVALUATION AND RECOMMENDATIONS:**

1. Removal of Site Data Collection for Well No. 5, Well No. 8, and Robbinsdale Booster.

**TASK 5 - ELECTRICAL SAFETY PROGRAM DEVELOPMENT**

For the Safety Program Development:
1. Participate in a Safety Program Development kickoff meeting with the City to discuss the scope of work of the project, the desired project outcome, review the preliminary Table of Contents drafted by AE2S for content, and review other necessary discussion items as required to successfully implement the project for the City.
2. AE2S to review existing CORC Electrical Safety Plan and incorporate and update as part of the Electrical Safety Program Development.
3. AE2S to coordinate exact project and program details with the City during each phase.
4. Provide a 30% Draft of the Electrical Safety Program document to solicit City review and feedback.
5. Participate in a 30% Draft Review Workshop (videoconference for AE2S, PM may attend in person) to discuss the comments and feedback of the 30% Draft with the City.
6. AE2S to incorporate comments from the 30% Draft Review Workshop into the Electrical Safety Program and prepare and issue a 60% draft of the Electrical Safety Program document to solicit City review and feedback.
7. Participate in a 60% Draft Review Workshop (videoconference for AE2S, PM May attend in person) to discuss the comments and feedback of the 60% Draft with the City.
8. AE2S to incorporate comments from the 60% Draft Review Workshop into the Electrical Safety Program and prepare and issue a 90% draft of the Electrical Safety Program document to solicit City review and feedback.
9. Participate in a 90% Draft Review Workshop (videoconference for AE2S, PM may attend in person) to discuss the comments and feedback of the 90% Draft with the City.
10. AE2S to incorporate comments from the 90% Draft Review Workshop into the Electrical Safety Program and prepare and issue a 100% Final Electrical Safety Program document to the City in digital format (Microsoft Word and/or PDF).
11. AE2S to create and present up to a one (1) hour, in-person, electrical safety program training in PowerPoint Format to the City of Rapid City. The one (1) Presentation may be presented up to three (3) times to accommodate different City departments.

AMENDED PROJECT SCHEDULE

Below are the modified timeframes for each phase of work based on the Scope of Services dates.

Added in **bold.** Modified deadlines in **strike-out and italics**

- Final Rapid City Council Contract Approval ..... June 7, 2021
- Kick-off conference and Site visits.........................June 14, 2021
- Preliminary “Draft” Analysis Report Delivered........September 3, 2021
- Preliminary Analysis Report Review Conference......October 27, 2021
- Final Analysis Report Presentation......................December March 2022
- **Electrical Safety Program Kickoff Meeting**........ March 2022
- Site Visits to Install Arc Flash Labels....................December March 2022
- **Electrical Safety Program 30% Meeting**..............April 2022
- **Electrical Safety Program 60% Meeting**.............May 2022
- **Electrical Safety Program 90% Meeting**...........July 2022
- **Electrical Safety Program 100% and Training**.....June 2022
- Project Completion/Closeout Date......................December August 2022
## Water Facilities Arc Flash Analysis

**Project No. 19-2523 / CIP 51246**  
Advanced Engineering and Environmental Services, LLC  
**TASK SCHEDULE**  
May 11, 2021

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**TOTAL ESTIMATED FEES - Tasks 1 - 5 -- Water Facilities Arc Flash Analysis**  
Amendment 1  
$16,774.37