

**FIRST AMENDMENT TO  
Pacific Northern Environmental DBA Advanced Electrical Technologies  
Materials and Services Agreement  
for the  
Water Filtration Facility SCADA and Computer Update, Project No. W-471**

This agreement is entered into this 1<sup>st</sup> day of September 2021, by and between the City, (hereinafter "City"), and Pacific Northern Environmental DBA Advanced Electrical Technologies (hereinafter "Contractor").

**RECITALS**

- A. City and Contractor entered into a Materials and Services Agreement on February 4, 2021, and said contract, hereinafter "original contract", is on file at St. Helens City Hall.
- B. As part of the original contract Contractor and City agreed that Contractor would provide equipment and materials and perform various services to update the Supervisory Control and Data Acquisition (SCADA) system at the Water Filtration Facility.
- C. The Contractor has experienced multiple delays in receiving the specified equipment for the project primarily related to shortages caused by the COVID-19 pandemic as further explained in the attached letter from Advanced Electrical Technologies.
- D. These delays have created a need for the final completion date of the project to be extended by 60 days.

**NOW, THEREFORE**, in consideration for the mutual covenants contained herein the receipt and sufficiency of which are hereby acknowledged, Contractor and City agree as follows:

- 1. The recitals set forth above are true and correct and are incorporated herein by this reference.
- 2. The completion date of the contract shall be extended to October 31, 2021.
- 3. All other terms of the original contract not specifically amended by this agreement remain in full force and effect.

Dated this 1<sup>st</sup> day of September 2021.

**Contractor**

**City**

\_\_\_\_\_  
Date:\_\_\_\_\_

\_\_\_\_\_  
Rick Scholl, Mayor  
Date:\_\_\_\_\_

Attest:

By:\_\_\_\_\_  
Kathy Payne, City Recorder

## Request for Contract Extension

AET is requesting a modification to extend the contract for the Upgrade to the SCADA Control System at the Water Filtration Facility.

Over the course of this project, we have encountered difficulties most of which have been related to Covid 19. Procurement of almost all construction materials over the last 9 months has been harder than I have ever experienced. There was a delay in procuring the SCADA Servers which pushed us back 3 months to start. This delay pushed us to a point where we had scheduling conflicts with 3 projects that had hard set dates that involved multiple trades, plant downtime and outages. These 3 projects were heavy on the programming side and time had to be split from Nate and Davin (the programmer's that are working on this project) which also pushed us back further on this upgrade. Missing these dates would have been detrimental to the success of the projects as a whole, we had no other choice but to try and split their time as best as we could. Because this was something that would delay the completion of the WFF Upgrade, I assured Sue that we would make sure that the plant stay up and running if a failure were to occur that was directly related to our delays, such as a failed processor, computer, or HMI.

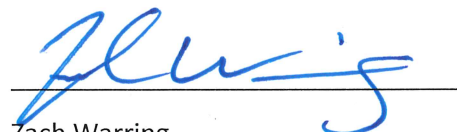
FMLA and PTO time also played a role in causing some delays to this project. Being that this is such a specialized set of skills, knowledge of the specific project, and consistency within the HMI and PLC programming, it would not have been in anyone's best interest to have another programmer try and get up to speed to fill in during these times.

Our most recent delay has been with a couple of items that were in the original HMI program that used ActiveX controls to deliver messages on numerous screens. This is not common practice and without diving deep into the HMI program, would not have been able to be recognized as such. This cost about 40hrs of work that we were not expecting and had no way of knowing before-hand. Davin worked with Rockwell Tech Support for a full week to get the issues around this ActiveX control sorted out and reverse engineered what was going on in the background.

At this point in time on 8/24, we are ready to bring the Servers on-site and run them in parallel with the current system. This is going to allow us to work on removing any of the bugs that may be present with the new system, while not taking down the existing system or the facility. We plan to run this way for about 2 weeks or until things seem to operate without issue. During this period, we will also be implementing the reporting and information side, as well as training the plant operators. Once the system is running correctly and we can verify feedback, control, alarms, and reporting, we will be able to do a cutover from the old system to the new system and have it running stand-alone.

We are getting close to completing this project, but still have some work to do to ensure that the City gets the best finished product. We ask that the City grant us an extension until 10/31 to make sure that everyone is satisfied with the finished product and properly trained on the system. This is a conservative date and we don't foresee it going into the month of October, but we would rather have it incase there are any other issues that need to be addressed towards the end of implementation.

Thank you for your consideration and we hope that you can understand that the delays in this project have been caused by outside influences, and not by any negligence on AET or the City's part.



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Zach Warring

Automation Division Manager