

**Project Status Report: CPST-0 07**

**Team Members: Jared Jewell, Arianna Kee, Marcus Young**

**Project Title: Provo City Water Audit**

**Report Date: 2/26/2024**

Our team met on Friday, February 23<sup>rd</sup> at 12pm.

**1) Summary of technical/non-technical challenges encountered**

- We have received data from the water meter for the past year. However, this data has many gaps and spikes that are not representative of the actual flow. This is due to bad readings from the meter. Rather than using data to determine if there is a leak, we can use acoustic leak detection equipment to find a leak if there is on.

**2) Team approaches & resolutions to overcome challenges**

- Marcus and Arianna attended a training on acoustic leak detection and other surveying equipment that was presented by a Sewerin rep at the Provo City public works office. They learned how acoustic leak detection works, which will help a lot in recommending locations to test it.

**3) Status of challenge resolutions & potential project impact**

- We learned about the equipment we will be using to detect the leak and met the surveying team that will be using the equipment with us. We have contacted Barry to set up a time to go test various locations for a leak and hope to set that up soon.

**4) Project status & summary**

- The project is moving along as expected. We attended a training on Sewerin monitoring devices and learned a lot about acoustic leak detection. We are attempting to arrange a field visit to check leak locations.

Please enter # of hours spent on project this last week for each team member in the order listed above