



Project Status Report: CEE-2018CPST-014

Report Date: 2/04/2019

Team Members: Alec Van De Graff (team leader), Rob Anderson, Natalie Bagley, Caleb Joubert

Project Title: Santaquin Irrigation-Water Conservation Study

1) Summary of technical/non-technical challenges encountered

- Needed to know more information and specs on different smart meters
- Needed to figure out how Spanish acquired funding
- Needed to analyze the data to determine how smart meters effected water usage

2) Team approaches & resolutions to overcome challenges

- acquired data from Spanish Fork with addresses and usages in 1000 gal units.
- Computed changes in usages from August 2017 to August 2018 and Sept. 2017 to Sept 2018 to find average water saved per home.
- Added those homes to the GIS model and computed lots sizes for homes.
- Sent email to Bailey Wilkins of Spanish Fork to try to find out how the obtained funding.
- Researched specs on sensus automated controllers and flow meters as well as rachio system specs.

3) Status of challenge resolutions & potential project impact

- Waiting to hear back from Spanish Fork but the other data was obtained
- The information that Spanish Fork gives us will greatly effect how Santaquin will obtain funding and that will effect the city council's decision

4) Project status & summary

- Waiting to hear back from Spanish Fork but the other data was obtained
- We are on pace to finish the project on time.

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