

Project Status Report: CEEEn-2018CPST-014

Report Date: 10/22/2018

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Project Title: Santaquin Irrigation-Water Conservation Study

1) Summary of technical/non-technical challenges encountered

- Revised our Statement of Work based on feedback from sponsor/advisor
- Coordinating with Team 04: Spanish Fork Irrigation-Water Conservation Study to gather needed data. The analysis is underway and we will have access to it as soon as it is done. This process will take more time than expected and we will need to re-adjust our timeline to accommodate these modifications

2) Team approaches & resolutions to overcome challenges

- Revisions were made in accordance with the suggestions
- Due to the change in our timeline, we have moved to a technical analysis of the Spanish Fork area in GIS. This will allow us to produce important data during the lag time waiting for the Spanish Fork data analysis to be completed.

3) Status of challenge resolutions & potential project impact

- The GIS project will include satellite imagery from before and after the smart meter implementation using a modified form of Normalized Difference Vegetation Index (NDVI) to show the impact of water usage in the area. This data will provide a backdrop for the potential water conservation in a city and its effect on the landscape.

4) Project status & summary

- With this re-adjustment in timeline we are on track to produce all necessary data for analysis in the coming months. The project is within budget and within scope as discussed with the City of Santaquin.