- Project progress to date

  The UBBNRD has contracted with Olsson to complete the project. The project kick-off meeting occurred on March 25th.

- List project related activities planned for the coming year.

  Olsson's Project Scope

  The UBBNRD has a contract with Beehive Industries to create and maintain a data management system that houses the district's data, including well information and information on certified irrigated acres and water use. This database was developed during 2015 and 2016. It has stored and maintained the data since that time.

  While the Beehive architecture is ideal for this kind of asset management, it is limited in its capabilities to apply stored data to make the specific determinations necessary for the allocation phase. Olsson will deliver a pooling module that can interact with Beehive to automate the necessary calculations. At a minimum, the pooling module must be able to:

  - Interface with the Beehive database
  - Keep track of the pooling status of every parcel
  - Concatenate the water use information for each pool every water use year
  - Compute the average application depth for the parcels within each pool based on the total water use and total certified irrigated acres
  - Re-distribute allocations when tracts move from one pool to another
  - Provide the current status of remaining water available for any parcel/pool in any desired format/media

  The new pooling module desired by the UBBNRD will be a software solution that consists of an SQL database along with the code/logic that computes net water used and net water available for each pool. The pooling module's SQL server will be connected to the current Beehive SQL database through a web service interface. The module will be accessible to UBBNRD members via its own user interface. The module will have the ability to pull necessary data from the Beehive SQL server in real-time. In addition, users will be able to input data that does not currently reside in Beehive. The module will then calculate water allocations and use by pool and tract for any given point in time.

  The first step in the software development process will be what we refer to as Discovery & Design. This will allow us to delve deep to learn more about your

current Beehive data structure and the structure of your pooling regulations. We envision this as an iterative process of zeroing in on the proposed solution.

Once we have crafted and agreed upon this proposed solution, iterative delivery will begin. A typical iteration spans a week and consists of planning, building, and testing a defined set of features. As each iteration is completed, we will collaborate with the UBBNRD to test the various components and ensure the proposed solution aligns with the requirements of the project. Final project delivery will include training the UBBNRD staff on the various aspects of the pooling module.

- Forecast or projected cash flow for remainder of the project. This should be high level, not a detailed list, to give the Commission a projection of the fund's cash flow.

  This project is expected to expend up to $160,000 by the end of 2020. The remaining $15,000 will be expended during 2021 and 2022 to cover operation and maintenance cost for the platform. These costs will be split 60/40 between the Water Sustainability Fund and the UBBNRD, respectively.

- Reassessment of the likelihood that benefits projected in the application will be realized.

  The full benefits of the project as projected in the application are still expected to be realized.