

SCHEd Schedule: attachment 7

Real-time Groundwater Level Monitoring Network

The project schedule below (Table 4), was derived for Task 1 from the experience of already installing six real-time monitoring wells. Task 2 schedule (development of the website) of six months was confirmed as appropriate with the engineering consultant. The development time needed for the multi-station index was based on other similar projects completed by the District (Task 3).

Table 4. Schedule of tasks for the proposed *Real-Time Monitoring Network*.

	2013												2014												2015			
	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr			
Task 1. Installation of approximately ten additional (16 total) real-time groundwater																												
Review and refinement of site selection criteria																												
Evaluate and prepare budgets for wells																												
Prepare and manage well owner agreements																												
Enroll selected wells into the project																												
Procure hardware for installation																												
Install and configure hardware for remote groundwater level sensing																												
Commission site including manual quality control procedures																												
Configure SCADA software to accept and display incoming data																												
Task 2. Establishment of a publicly accessible web-site that will allow for real-time posting of data.																												
Define technical requirements of desired website (including the ability to "push" data from a secure SCADA environment, to a public access environment)																												
Refine and sign contract with website developer																												
Work with contractor to develop the look and feel of the new website																												
Commission and maintain new website																												
Prepare a final website development report																												
Task 3. Analysis and establishment of an appropriate "multi-station groundwater level index".																												
Bi-monthly, formally document observations (such as charging up of the canal system, groundwater pumping in near proximity to site locations, and winter flows in Cache Creek).																												
Host a "data review" meeting to review District staff's findings and observations																												
Development of algorithm for "multi-station groundwater level index".																												

Readiness to proceed when funding becomes available

The District has spent the last 5 years building its wireless SCADA network in Yolo County. The database server software, radio communications backbone, and in-house expertise have all been developed while building the canal monitoring portion of the system. Today, we are ready to build and connect the real-time well monitoring stations to our system.

Additionally, the District has operational reserves that can cover the cash-flow needs of this proposed project. As of May 31, 2012 the District's cash balance of cash plus investments is \$5,074,441.