

## **Brownell, James@Waterboards**

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**From:** Brownell, James@Waterboards  
**Sent:** Tuesday, October 13, 2015 4:49 PM  
**To:** Reginald Dones; Michael Mosley (mmosley@usbr.gov)  
**Cc:** Anne Littlejohn; Jobaid Kabir (jkabir@usbr.gov)  
**Subject:** FY 2016 Work Plan Addendum guidance  
**Attachments:** Work Plan Addedum guidance.docx

Reginald and Michael,

We have prepared a guidance document (attached) that we hope will help you identify the details that our management would like to see in the Addendum requested by Pamela Creedon in her acceptance letter for the FY 2016 Work Plan. Please contact me if you have any questions or comments, or would like additional clarification.

Jim

## **Reclamation FY 2016 Annual Work Plan Addendum Support for the RTMP Phases 2 & 3: Development and Early Implementation**

Phase 2 and Phase 3 objectives that are stated in the Real Time Management Program's Framework document are bulleted below. We request that Reclamation identify specific activities in the Work Plan Addendum that support these objectives. Numbered in *italic* below each bulleted Framework objective are questions that Reclamation could consider while identifying work plan activities that support each objective.

### **Phase 2 (March 31, 2015 to March 31, 2016)**

- Stakeholders participating in the RTMP will demonstrate and refine salinity management methods. Stakeholders can evaluate the GRCD demonstration project networked monitoring and control system and the GBP salinity control techniques for useful program development information.
  1. *Does Reclamation plan to hold field demonstrations in GRCD or GB?*
  2. *Will Reclamation continue to demonstrate networking systems at the RTMP's Technical Research Team monthly meetings?*
  
- Participants throughout the program will as necessary improve the existing monitoring stations, install additional stations, and cooperate to further develop a model to be used to forecast SJR assimilative capacity.
  1. *Will Reclamation provide the RTMP stakeholders with a prioritized list of monitoring needs to support a robust forecast tool (e.g. new sites, sites that need to be relocated, upgraded, or repaired)?*
  2. *Will Reclamation identify specific sites that it will support (e.g. monitoring, O&M, or calibration)?*
  3. *Will Reclamation continue to fund contractor development and refinement of the WARMF model forecasting tool?*
  4. *Will Reclamation train staff of the RTMP group and DWR to operate the WARMF model forecasting tool?*
  5. *Will Reclamation fund development of model interface dashboards that allow stakeholder view of forecast model output?*
  
- Initial participants in the RTMP will cooperate under the MOU including developing approaches for funding the necessary activities.
  1. *How does Reclamation plan to work with stakeholders to identify potential available funding?*
  2. *Does Reclamation plan to provide stakeholders with information on funding opportunities that may be available?*

3. *Will Reclamation provide support for Grant proposals?  
Can Reclamation identify costs for various levels of improved monitoring (e.g. cost to convert existing priority stations; cost to include new stations; costs to maintain forecasting tools)?*
  4. *Will Reclamation identify priority monitoring sites that it will fund or cost share to improve the model?*
- Develop the data platform to support the River Forecast Model.
    1. *Will Reclamation complete automation of input data from agency websites and other web portals into the Watershed Analysis Risk Management Framework (WARMF) forecast model?*
    2. *Will Reclamation continue to fund the development of WARMF Manager Modules for various stakeholders, which provides a simplified user interface for viewing model runs and forecast online?*
    3. *Will Reclamation assess model performance at the sub-watershed level with emphasis on the west-side drainage inflow stations and the wetland entities?*
    4. *Will Reclamation prioritize additional monitoring sites that would make the model more robust?*
    5. *What type of technical support will Reclamation continue to provide as needed?*
  - Outreach will continue for additional stakeholders.
    1. *How will Reclamation assist the RTMP to recruit new stakeholders?*
    2. *Will Reclamation hold a stakeholder workshop to provide training on the WARMF-Online web portal and to encourage stakeholder coordination and cooperation?*

### **Phase 3 (March 31, 2016 to March 31, 2018)**

- One or more cooperating agencies or other entities will conduct programmatic weekly forecasting of assimilative capacity in the SJR. Data sharing is of utmost importance to the successful implementation of the RTMP; key stakeholders will be asked to share flow and water quality information throughout the basin.
  1. *Will Reclamation develop a schedule for future activities with other water agencies within the LSJR Basin to facilitate inclusion of their data on a real-time basis into the WARMF forecast model?*
  2. *Will Reclamation provide training and troubleshooting support during the transition of day-to-day running of the forecasting tool to DWR?*

- The RTMP participants will analyze the need for additional infrastructure and identify necessary funding requirements through the MOU.
  - 1. *Will Reclamation participate in RTMP meetings and assist the group with evaluating the need for infrastructure and its funding?*
- Develop and recommend specific additional management practices needed to better coordinate the real time operation of discharges to the San Joaquin River.
  - 1. *How will Reclamation assist with obtaining key data including reservoir release, irrigation diversion, and irrigation return flow and EC data into the real-time forecasting tool?*
  - 2. *Will Reclamation conduct tours of existing facilities?*
  - 3. *Will Reclamation assist the RTMP stakeholders to execute MOUs with reservoir operators?*
  - 4. *Will Reclamation identify strengths and weaknesses of model and potential improvements?*
- Continued outreach for additional stakeholders.
  - 1. *How will Reclamation assist the RTMP to recruit new stakeholders?*