

**Central Valley Flood Protection Board Meeting
March 25, 2016**

INFORMATIONAL BRIEFING

Folsom Dam Modifications Project – Joint Federal Project

BRIEFING SUMMARY

Background

The Folsom Dam Modification Project, also referred to as the Folsom Joint Federal Project (Folsom JFP), is a cooperative effort to improve flood damage reduction features, dam safety, and security at the Folsom Dam and its associated facilities. Operations of the auxiliary spillway would increase water discharge capabilities of the reservoir and help provide a 200-year level of protection for the Sacramento region.

The Folsom JFP area is located within the City of Folsom about 20 miles northeast of the City of Sacramento (**Figure 1**). The Folsom Dam and Reservoir are located downstream from the confluence of the north and south forks of the American River. Work for the Folsom JFP includes construction of a Control Structure (Phase III), an approach channel, chute, auxiliary spillway, and stilling basin (Phase IV), and site restoration (Phase V). **Figure 2** presents an aerial view of the Phases of the Folsom JFP Project.

Sponsors

The Folsom Dam Modification Project is a cooperative effort between the U.S. Bureau of Reclamation (Reclamation), the U.S. Army Corps of Engineers (USACE), the State of California Central Valley Flood Protection Board (CVFPB), and the Sacramento Area Flood Control Agency (SAFCA).

Significant Activities and Milestones Achieved

The Folsom JFP Project was presented to the CVFPB at the March 22, 2013 Board Meeting. The intent of this Informational Briefing is to provide an update since the 2013 presentation with significant activities and milestones achieved, and provide a summary of future activities and milestones to achieve final completion of the Folsom JFP by December 2016.

At the latest informational briefing in early 2013, Reclamation had completed initial excavation of the auxiliary spillway and chute (Phases I & II) and Phase III (Control

Structure) construction activities had begun. Since 2013, the following significant activities or milestones have been achieved:

- May 2013_Phase IV: Construction Scope of Work Awarded to Kiewit
- Nov 2013_Phase III: All gates (bulkhead and tainter) arrive on-site
- July 2014_Phase III: Concrete of Control Structure reached final height
- July 2014_Phase IV: Secant cut-off wall completed
- Aug 2015_Phase III: Control Structure Construction Complete
- Jan 2016_Phase IV: Water placed against Control Structure, making it a Dam Safety Feature

For comparison, the following Table illustrates the significant progress made on the project since early 2013 to present.

Table 1: Progress Overview (2013 to Present)

Phase	May 2013		Phase	February 2016	
	Design	Construction		Design	Construction
Phase III	100%	54%	Phase III	100%	99%
Phase IV	100%	0%	Phase IV	100%	86%
Phase V	15.5%	0%	Phase V	70%	8%
Overall	89%	23%	Overall	98%	90%

Significant Activities and Milestones – Look Ahead

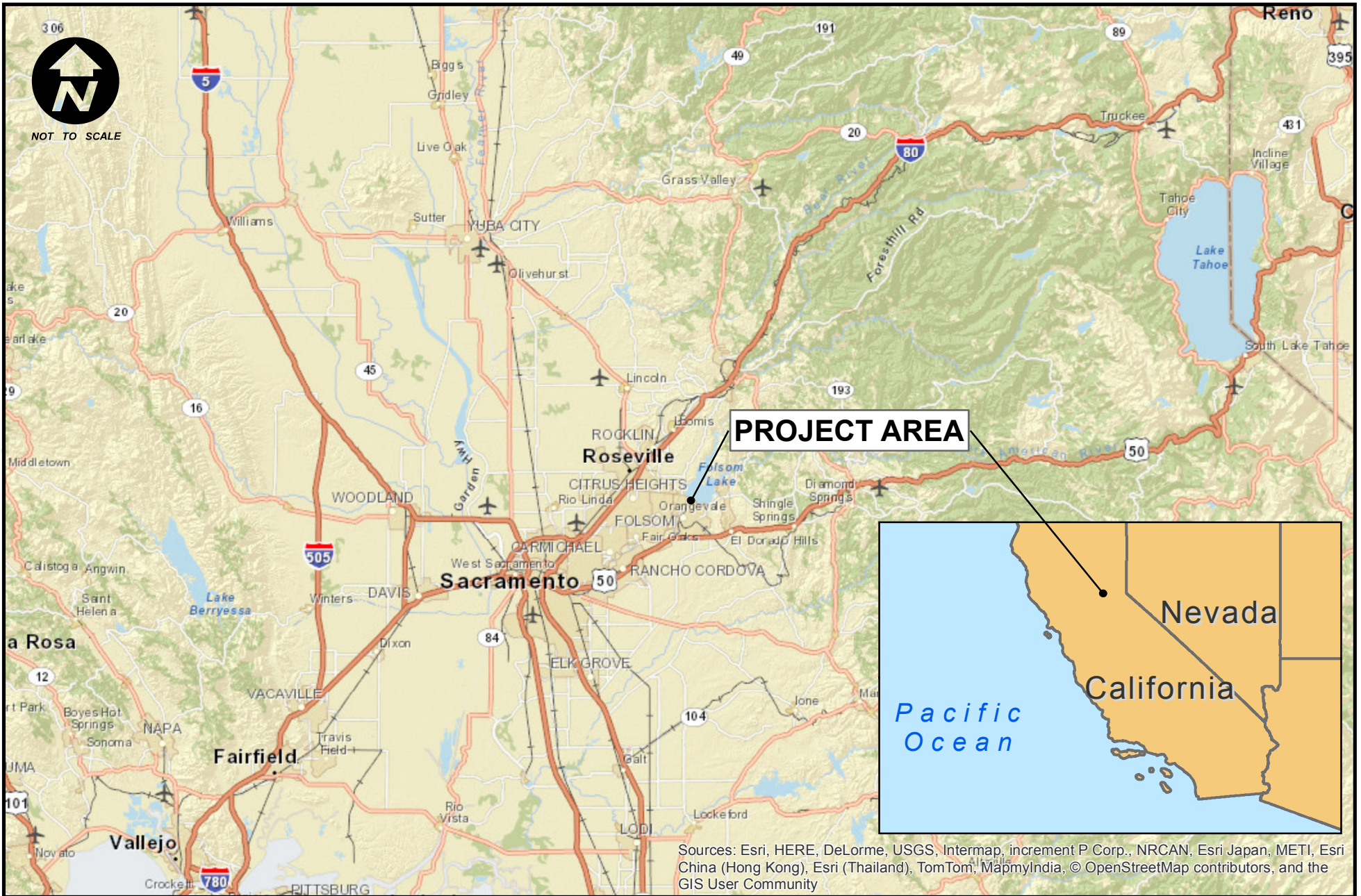
Although the Folsom JFP Project is nearing completion, which is anticipated to occur by December 2016, there are still milestones that are necessary to be obtained to reach the completion date. The following significant activities or milestones are required to be achieved prior to completion of the Folsom JFP:

- Mar 2016_Phase V: Restoration Design Complete
- Apr 2016_Phase IV: Start marine excavation of approach channel
- Apr 2016_Phase V: Supplemental EA/EIR Certification
- May 2016_Phase V: Start Phase V Construction work
- Jun 2016_Phase V: Start Right Bank Stabilization work
- Oct 2016_Phase V: Complete Right Bank Stabilization Work
- Dec 2016_Ph IV&V: Construction *COMPLETE*
- Mar 2017_Ph V: Wet Commissioning
- Apr 2017: Water Control Manual Updated

Next Steps

The Phase V work, including design and ultimate construction, is starting soon, with the Contractor potentially starting work as early as May 2016. Currently, the Phase V Supplemental EA/EIR is being finalized by USACE in partnership with CVFPB and Department of Water Resources. To maintain schedule of the Folsom JFP Project, it will be requested for the CVFPB, as the CEQA lead, to consider certification of this environmental document in April 2016.

The Federal and Non-Federal Sponsors will continue to coordinate and cooperatively work together for a successful completion of the Folsom JFP Project. Commissioning activities will be conducted for turn-over of the facilities to Reclamation. Finally, an updated Water Control Manual will be prepared and finalized that will provide the necessary direction and requirements for Reclamation to operate water levels in Folsom Lake utilizing the newly constructed Control Structure and associated facilities.



Project Area Map






Folsom Dam Modifications Project
January 2015 **Figure 1**



NOT TO SCALE

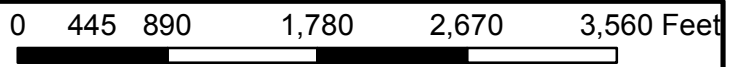


Legend

-  Phase III
-  Phase IV
-  Phase V



Project Features Map



Folsom Dam Modifications Project

March 2016

Figure 2