



Folsom Dam Joint Federal Project (JFP)

Authorization: Water Resources Development Act 1999 (P.L. 106-53), Sec. 101(a)(6); Water Resources Development Act 2007 (P.L. 110-114), Sec. 3029(b).

Project Scope: As a joint effort with the US Bureau of Reclamation (USBR), construct an auxiliary spillway consisting of: 1) a control structure containing six submerged Tainter gates and six bulkhead gates; 2) a 3,027-foot spillway chute and a stilling basin that acts as an energy dissipater; and 3) a 1,100-foot approach channel. The construction was completed in five phases.

Phase I (USBR): Remove approximately 500,000 cubic yards of common and competent rock material from the spillway chute and basin at depths down to five feet, construct Mormon Island Auxiliary Dike haul road, and modify the Left Wing Dam.

Phase II (USBR): Remove approximately 1.7 million cubic yards of material from the spillway chute and basin, construct a basin haul road, expand the overlook area, install permanent/temporary cofferdams, and relocate a domestic water supply pipeline (the “Natomas Pipeline”).

Phase III (USACE): Remove approximately 315,000 cubic yards of material, construct a control structure which contains six submerged Tainter gates (4 x 24 x 45 ft. [depth x width x length] that weigh over 179 tons) and six bulkhead gates (4 x 24 x 39 ft. that weigh over 106 tons each).

Phase IV (USACE): Remove approximately 900,000 cubic yards of material and construct a rectangular concrete spillway comprised of an 1,100-foot approach channel, a 3,027-foot chute, and a stilling basin.

Phase V (USACE): Commission Phase III and IV, restore construction site(s), and complete habitat mitigation at the Rossmoor Bar mitigation site.

Project Status:

Phase I – Construction completed SEP 2008.
Phase II – Construction completed JAN 2011.
Phase III – Construction completed AUG 2015.
Phase IV – Construction completed DEC 2016.
Phase V – Restoration completed OCT 2017. Construction complete DEC 2017. Wet commissioning completed MAR 2018.

Remaining Closeout Items: The JFP was transferred to USBR via a Memorandum of Agreement (MOA) in 2017. This MOA identified approximately 100 “punch list” items for USACE to complete. Additional items were subsequently identified during commissioning and USBR inspections. In April 2020, USACE and the partners reached agreement on the final list of 19 remaining closeout items. As of March 2023, six items remain to be completed (see table to right).

Economic Summary: The JFP reduces flood risks to 500,000 residents and \$58 billion of assets in the Greater Sacramento Metropolitan Area by enabling USBR to operate Folsom Dam and the JFP in a manner that can pass the Probable Maximum Flood (PMF) without overtopping the dam. 2018 BCR: 2.2.

Upcoming Engagements: None scheduled at this time.

PUNCH LIST ITEM STATUS SUMMARY

Item	Source	Number Remaining (as of 21APR20)	Number Remaining (as of 28MAR23)
RMS Construction Documents	MOA	1	0
Battery Backup + Trolley Hoist	MOA	4	0
Joint Sealant Repair	Commissioning	1	0
As-Built Drawings	MOA	1	0
Concrete Cracking	IPR + SASW Report	1	1
Miscellaneous Construction Contract #2	Commissioning + IPR	4	1
Miscellaneous Construction Contract #3	MOA + Commissioning	2	0
BHG Load Block Corrosion Repair	Commissioning	1	1
Hydraulic Cylinder Repair (HVOF)	MOA	1	1
Designers Operating Criteria	MOA	1	0
Operations and Maintenance Manual	MOA	1	1
Final Inspection	MOA	1	1
TOTAL:		19	6



Joint Federal Project (Continued)

PROJECT MILESTONES

<u>Design Contracts</u>	<u>Awarded</u>	<u>Completed</u>
Phase IV	Various	NOV12
Phase V	Various	SEP15
<u>Construction Contracts</u>	<u>Awarded</u>	<u>Completed</u>
Phase III (Control Structure)	SEP10	AUG15
Phase IV	MAY13	DEC16
Phase V (Site Restoration)	Various	OCT17
Phase V (Commissioning)	Various	MAR18
Punch List (Bulkhead Gates)	AUG22	Q3 FY23
Punch List (Hydraulic Cylinders)	JAN23	OCT27
Punch List (Final O&M Plan)	In House	SEP28



Visit our **CONGRESSIONAL PORTAL**
for detailed project information



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AS OF 19APR2023