

# RECLAMATION

*Managing Water in the West*

**MID-PACIFIC CONSTRUCTION OFFICE**  
Willows, California

## **Construction Progress Report L-29**



U.S. Department of the Interior  
Bureau of Reclamation  
Mid-Pacific Region  
Mid-Pacific Construction Office

September 2016

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**CONSTRUCTION PROGRESS REPORT (L-29)  
MID-PACIFIC CONSTRUCTION OFFICE  
MID-PACIFIC REGION  
SEPTEMBER 2016**

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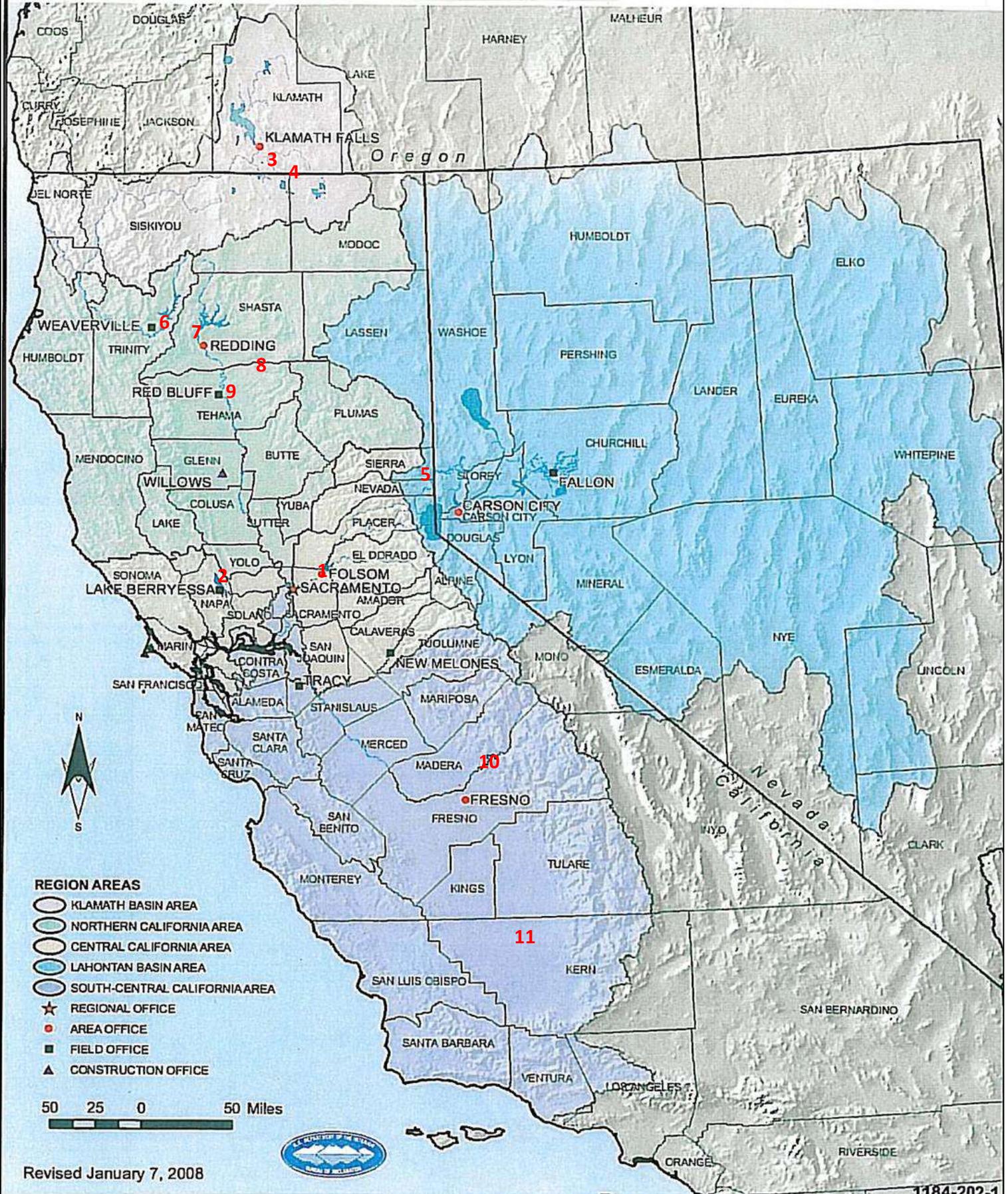
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# Areas in the Mid-Pacific Region Where Work was Performed

## Mid-Pacific Region

**RECLAMATION**  
Managing Water in the West



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# STAFFING

## MID-PACIFIC CONSTRUCTION OFFICE

The Mid-Pacific Construction Office had 39 construction and administrative employees at the close of this month as follows:

Construction Engineer's Office.....	2
Preaward and Project Management Group.....	3
Administrative Management.....	7
Division of Field Engineering.....	18
Division of Office Engineering.....	5
Materials Lab Branch.....	4

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# GLOSSARY

## ACRONYMS AND ABBREVIATIONS

<b>ACRONYM</b>	<b>MEANING</b>
CCAO	Central California Area Office
CVP	Central Valley Project
KBAO	Klamath Basin Area Office
LBAO	Lahontan Basin Area Office
MP	Mid-Pacific Regional Office
MPCO	Mid-Pacific Construction Office
NCAO	Northern California Area Office
SCCAO	South Central California Area Office
SJJRP	San Joaquin River Restoration Program
TO	Tracy Office

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# Central California Area Office

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**Contract No. R10PC20019**  
**Specification No. 20-C0689**  
**Folsom Power Plant Generators U1, U2, and U3 Rewind and**  
**Excitation System Replacement - Folsom Unit, American River**  
**Division, Central Valley Project, California**  
**Andritz Hydro Corp., Charlotte, NC**

Work Performed	September	0.0%
	Time Elapsed	100.0%
	Work Completed	99.3%
Contractor Earnings	September	\$61,179.57
	Previous	\$20,549,613.17
	Total to Date	\$20,610,792.74
MPCO Noncontract Costs	1 <sup>st</sup> Quarter Expenditures	\$69,300.00
	2 <sup>nd</sup> Quarter Expenditures	\$51,027.00
	3 <sup>rd</sup> Quarter Expenditures	\$55,900.00
	4 <sup>th</sup> Quarter Expenditures	\$15,318.00
	FY16 Cumulative Total	\$191,545.00
	FY16 Budgeted	\$208,400.00
	Amount Remaining	\$16,855.00
	Percent Remaining	8.09%

**Area Office Project Management**

Project Manager: Jesse Castro, CC-607

**Office Engineering**

Contract Administrator: Larry Bowman, MPCO-240

Invoice No. 20, in the amount of \$61,179.57, was received this reporting period for work performed from July 1, 2016 to August 31, 2016.

**Field Engineering**

Construction Manager: Reynaldo Garcia, MPCO-310

Construction Representative: Todd Dooley, MPCO-314.

Number of Contractor Employees: 0

**Work Performed**

No work was performed on site this reporting period.

**Contract No. R14PC00096**  
**Specification No. 20-C0816**  
**Nimbus Dam Radial Gate Repairs, Phase III – Nimbus Dam,**  
**American River Division, Central Valley Project, California**  
**Alltech Engineering Corp, Mendota Heights, MN**

Work Performed	September	4.4%
	Time Elapsed	64.1%
	Work Completed	67.4%
Contractor Earnings	September	\$463,049.98
	Previous	\$6,571,693.12
	Total to Date	\$7,034,743.10
MPCO Noncontract Costs	1 <sup>st</sup> Quarter Expenditures	\$71,916.00
	2 <sup>nd</sup> Quarter Expenditures	\$82,220.00
	3 <sup>rd</sup> Quarter Expenditures	\$104,836.00
	4 <sup>th</sup> Quarter Expenditures	\$94,172.00
	FY16 Cumulative Total	\$353,144.00
	FY16 Budgeted	\$371,830.00
	Amount Remaining	\$18,686.00
	Percent Remaining	5.03%

**Area Office Project Management**

Project Manager: Jeffery Croshal, CC-611

**Office Engineering**

Contract Administrator: Larry Bowman, MPCO-240

Invoice No. 15, in the amount of \$463,049.98, was received for work performed from August 1, 2016 to August 31, 2016.

**Field Engineering**

Construction Manager: Reynaldo Garcia, MPCO-310

Construction Representative: Todd Dooley, MPCO-314

Number of Contractor Employees: 9

**Work Performed**

**GATE 11 – Hardware Installation:** The gate supports and temporary link assemblies were removed. New lifting eye bushings, along with equalizer bars, links, and link pins were installed on the gate lifting eye brackets.

The new wire ropes were attached and the gate was cycled to fully stretch the new ropes. Final alignment and bolting was performed on the new gate seal and a light test was conducted to confirm a snug fit against the wall and sill plates. The guide shoes were reinstalled.

The cathodic protection hardware was attached to each of the lifting bracket assemblies and tested for continuity. Watering-up the gate chamber confirmed a tight seal fit against the embedded sill plate and bottom corners of the embedded side seal wall plates.

**Remove Bulkhead and Pier Braces:** Anchoring hardware was disconnected from both the top and bottom of the bulkhead caisson stack as the crew floated the bulkhead assembly and pier braces out from Gate 11, moving it and anchoring it upstream of the piers at Gate 9.

**GATE 9 - Install Bulkhead, Pier Braces and Dewater:** Divers helped stand up the bulkhead in front of Gate 9; installed pad eyes on the concrete abutments, and attached come-alongs between the lifting eyes on the bottom caisson (No. 1) and the pad eyes.

Water ballast sank the vertical caissons in the bulkhead assembly while chain pullers from the pier nose anchors to the lifting eyes on top of the vertical floating caisson (No. 5) assisted the vertical descent of the bulkhead. Once the vertical caisson section was seated, the chain pullers were used to bring the top sections vertical and against the pier noses where the chain pullers were tightened to secure the bulkhead in place. As the gate chamber was drained, the four braces were tightened between the piers to counteract the external water pressure. The dive team performed the task of sealing leaks around the bulkhead seals.

**Pumping System Installation:** The electric water pump was lowered into the gate chamber on the downstream side of the bulkhead; where the 4-inch discharge pipe will direct water back into the lake.

**Gate Seals and Gate Shoes Removal:** The bottom and side seal bolts were removed, allowing the removal of the old seal clamp bars along with the old, one-piece gate seal.

**Skin Plate Holes - Guide Shoe and Shim Measurements:** Field measurements of the gate were taken, including the as-built data for all skin plate holes. Measurements of the guide shoe spacing and shim thicknesses were also taken prior to removal.

**Wire Ropes, Equalizer Bars, Links and Pins:** The lifting link assemblies and bushings were removed from the lifting eye brackets. The bracket eyes were honed clean and measured. The new bushings were sent out for milling to the correct tolerance. The existing bushings were reinstalled to facilitate use of the temporary link assemblies.

**Wire Ropes:** The old wire ropes were removed from the corresponding rope drums and the new, Government furnished wire ropes were installed and rolled up onto the drums for protection during the abrasive blasting and coating operations.

**Scaffolding and Gate Supports:** The scaffolding structure was erected on the upstream and downstream sides of gate No. 9 and around each of the trunnions and trunnion arms.

**Gate Seals and Gate Shoes Installation:** New gate seal clamp bars were fabricated using the old bars as patterns for the bolt holes. The newly fabricated clamp bars were then used to mark and drill bolt holes in the new gate seal.

**Install Containment:** Plastic shrink-wrap sheeting was installed over the scaffolding to build a containment area for the abrasive blasting work and coating work that will be conducted on the gate structure.

**Sandblast Gate:** The first two days of abrasive blasting was performed. Blast operators worked on the upstream face of the gate, removing all coatings from the structure. Samples of the spent blast medium were sent out to an independent laboratory to verify the material can be deemed non-hazardous.

**Contract No. R13PC20159**  
**Specification No. 20-C0819**  
**Lake Berryessa Concessions Area Improvements – Lake**  
**Berryessa, Solano Project, California**  
**G.D. Nielson Construction, Inc., Napa, CA**

Work Performed	September	0.3%
	Time Elapsed	100%
	Work Completed	63.9%
Contractor Earnings	September	\$0.00
	Previous	\$666,606.82
	Total to Date	\$666,606.82
MPCO Noncontract Costs	1 <sup>st</sup> Quarter Expenditures	\$0.00
	2 <sup>nd</sup> Quarter Expenditures	\$459.00
	3 <sup>rd</sup> Quarter Expenditures	\$212.00
	4 <sup>th</sup> Quarter Expenditures	\$18,110.00
	FY16 Cumulative Total	\$18,781.00
	FY16 Budgeted	\$44,010.00
	Amount Remaining	\$25,229.00
Percent Remaining	57.3%	

**Area Office Project Management**

Project Manager: Peter Funkhouser, CC-440

**Office Engineering**

Contract Manager: Larry Bowman, MPCO-240

Invoice No. 6, in the amount of \$3,588.48, for the period of May 1, 2015 to May 15, 2015 was received this reporting period.

**Field Engineering**

Construction Manager: Reynaldo Garcia, MPCO-310

Construction Representative: Jeffrey Kelly, MPCO-322

Number of Contractor Employees: 7

**Work Performed**

**Mobilization**

Tools and equipment were mobilized, including a JD 310 backhoe, a 2,000 gallon water truck, a 500 gallon water tank, and a Ditch Witch Rock Wheel. The contractor worked to install barrier fence and create a staging area. The compliance board and portable toilet were set up.

### Excavation and Trenching

Approximately 2,919 linear feet of trench was excavated this period. The trench was completed on the campground on the west side of Knoxville Road and work was performed between campsites 43 and 56 on the east side campground.

**Contract No. R16PC00075**  
**Specification No. 20-C0838**  
**Folsom UHA Switchgear Replacement – Folsom Unit, American**  
**River Division, Central Valley Project, California**  
**Cal Electro, Inc., Redding, CA**

Work Performed	September	0.0%
	Time Elapsed	0.0%
	Work Completed	0.0%
Contractor Earnings	September	\$0.00
	Previous	\$0.00
	Total to Date	\$0.00
MPCO Noncontract Costs	1 <sup>st</sup> Quarter Expenditures	\$5,463.00
	2 <sup>nd</sup> Quarter Expenditures	\$23,408.00
	3 <sup>rd</sup> Quarter Expenditures	\$30,690.00
	4 <sup>th</sup> Quarter Expenditures	\$25,896.00
	FY16 Cumulative Total	\$85,457.00
	FY16 Budgeted	\$90,600.00
	Amount Remaining	\$5,143.00
	Percent Remaining	5.7%

**Area Office Project Management**

Project Manager: Hue Ly, CC-614

**Office Engineering**

Contract Administrator: Larry Bowman, MPCO-240

**Field Engineering**

Construction Engineer: Reynaldo Garcia, MPCO-310

Construction Representative: Sean Frische, MPCO-317

Number of Contractor Employees: 0

**Work Performed**

No onsite work was performed this reporting period.

**Contract No. R16PC00113**  
**Specification No. 20-C0858**  
**Folsom Dam Municipal and Industrial Temperature Control**  
**Device Safety Measures, Folsom Unit, American River Division,**  
**Central Valley Project, California**  
**Sapper West, Inc., Sacramento, CA**

Work Performed	September	0.0%
	Time Elapsed	25%
	Work Completed	0.0%
Contractor Earnings	September	\$0.00
	Previous	\$0.00
	Total to Date	\$0.00
MPCO Noncontract Costs	1 <sup>st</sup> Quarter Expenditures	\$0.00
	2 <sup>nd</sup> Quarter Expenditures	\$0.00
	3 <sup>rd</sup> Quarter Expenditures	\$4,548.00
	4 <sup>th</sup> Quarter Expenditures	\$17,351.00
	FY16 Cumulative Total	\$21,899.00
	FY16 Budgeted	\$57,800.00
	Amount Remaining	\$35,901.00
Percent Remaining	62.1%	

**Area Office Project Management**

Project Manager: Brian Zewe, CC-612

**Office Engineering**

Contract Manager: Kent Perkes, MPCO-225

**Field Engineering**

Construction Manager: Brian Wagner, MPCO-300

Construction Representative: Todd Dooley, MPCO-314

Number of Contractor Employees: 0

**Work Activities:**

No onsite work was performed during this period.

**Contract No. R15PD00728**  
**Order No. GS-07F-0611F**  
**Modular Office Building - Folsom Dam Resources Building**  
**Replacement, Folsom Unit, American River Division, Central**  
**Valley Project, California**  
**Design Space Modular Buildings, Dixon, CA**

Work Performed	September	0.0%
	Time Elapsed	100%
	Work Completed	100%
Contractor Earnings	September	\$0.00
	Previous	\$0.00
	Total to Date	\$0.00
MPCO Noncontract Costs	1 <sup>st</sup> Quarter Expenditures	\$13,013.00
	2 <sup>nd</sup> Quarter Expenditures	\$26,296.00
	3 <sup>rd</sup> Quarter Expenditures	\$31,653.00
	4 <sup>th</sup> Quarter Expenditures	\$16,334.00
	FY16 Cumulative Total	\$87,296.00
	FY16 Budgeted	\$83,187.00
	Amount Remaining	\$0.00
	Percent Remaining	0.0%

**Area Office Project Management**

Project Manager: Mark Lewis, CC-641

**Office Engineering**

Contract Administrator: Larry Bowman, MPCO-240

**Field Engineering**

Construction Manager: Reynaldo Garcia, MPCO-310

Construction Representative: Bill Linder, MPCO-312

Number of Contractor Employees: 0

**Work Performed**

No onsite work was performed during this reporting period.

**Contract No. R16PC00099**  
**Specification No. None**  
**Folsom Resource Building - Folsom Unit, American River**  
**Division, Central Valley Project, California**  
**Chigosi Company, San Diego, CA**

Work Performed	September	1.8%
	Time Elapsed	13.9%
	Work Completed	1.8%
Contractor Earnings	September	\$6,536.00
	Previous	\$0.00
	Total to Date	\$6,536.00
MPCO Noncontract Costs	1 <sup>st</sup> Quarter Expenditures	\$0.00
	2 <sup>nd</sup> Quarter Expenditures	\$0.00
	3 <sup>rd</sup> Quarter Expenditures	\$5,837.00
	4 <sup>th</sup> Quarter Expenditures	\$35,146.00
	FY16 Cumulative Total	\$40,983.00
	FY16 Budgeted	\$103,335.00
	Amount Remaining	\$62,352.00
	Percent Remaining	60.3%

**Area Office Project Management**

Project Manager: Mark Lewis, CC-641

**Office Engineering**

Contract Manager: Larry Bowman, MPCO-240

Invoice No. 01, in the amount of \$6,536.00, was received this reporting period for work performed from August 23, 2016 to September 17, 2016.

**Field Engineering**

Construction Manager: Reynaldo Garcia, MPCO-310

Construction Representative: Sean Frische, MPCO-317

Number of Contractor Employees: 0

**Work Activities:**

No onsite work was performed during this reporting period.

# **Klamath Basin Area Office**

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**Contract No. R15PC00080**  
**Specification No. 20-C0836**  
**Klamath Basin Area Office Sewer Lift Station, Klamath Basin**  
**Area Office, Klamath Falls, Oregon**  
**Andrews Contracting Services, LLC, Vancouver, WA**

Work Performed	September	16%
	Time Elapsed	100%
	Work Completed	39%
Contractor Earnings	September	\$109,781.39
	Previous	\$165,545.65
	Total to Date	\$275,327.04
MPCO Noncontract Costs	1 <sup>st</sup> Quarter Expenditures	\$41,549.00
	2 <sup>nd</sup> Quarter Expenditures	\$43,179.00
	3 <sup>rd</sup> Quarter Expenditures	\$53,145.00
	4 <sup>th</sup> Quarter Expenditures	\$62,307.00
	FY16 Cumulative Total	\$200,180.00
	FY16 Budgeted	\$266,700.00
	Amount Remaining	\$66,520.00
	Percent Remaining	24.9%

**Area Office Project Management**

Project Manager: John Menniti, MPCO-110

**Office Engineering**

Contract Manager: Kent Perkes, MPCO-225

Invoice No. 4, in the amount of \$109,781.39, was received this reporting period for work performed from July 12, 2016 to September 1, 2016.

**Field Engineering**

Construction Manager: Brian Wagner, MPCO-300

Construction Representative: Russell Davies, MPCO-341

Number of Contractor Employees: 3

**Work Performed**

Sewer Pipe Installation

Bob's Excavating personnel backfilled trench for the sewer pipe.



**Klamath Basin Area Office Sewer Lift Station  
A view of the construction site.**



**Klamath Basin Area Office Sewer Lift Station**  
**A view of the pipe bonding tool used by subcontractor Bob's Excavating to bond 25 feet of piping.**

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# Lahontan Basin Area Office

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**Contract No. R16PC00062**  
**Specification No. 20-C0850**  
**Stampede Dam - Dam Safety Modifications, Stampede Dam,**  
**Stampede Division, Washoe Project, Nevada-California**  
**NW Constructors, Inc., Bozeman, MT**

Work Performed	September	1.4%
	Time Elapsed	13%
	Work Completed	3.1%
Contractor Earnings	September	\$310,269.52
	Previous	\$360,646.87
	Total to Date	\$670,916.39
MPCO Noncontract Costs	1 <sup>st</sup> Quarter Expenditures	\$0.00
	2 <sup>nd</sup> Quarter Expenditures	\$0.00
	3 <sup>rd</sup> Quarter Expenditures	\$30,577.00
	4 <sup>th</sup> Quarter Expenditures	\$173,145.00
	FY16 Cumulative Total	\$203,992.00
	FY16 Budgeted	\$211,120.00
	Amount Remaining	\$7,128.00
	Percent Remaining	3.4%

**Area Office Project Management**

Project Manager: Todd Hill, MP-240

**Office Engineering**

Contract Manager: Kent Perkes, MPCO-225

Invoice No. 03, in the amount of \$310,269.52, was received for work performed from August 9, 2016 to September 8, 2016.

Modification 0001 - Restrictions and Limitations Requirements for the fisherman access parking area, was executed during this reporting period.

Received and processed documents regarding Modification 0002 - Realign Ditch and Road Stripping Changes

**Field Engineering**

Construction Manager: Kyle Hughes, MPCO-324

Construction Representative: Zahid Wazid, MPCO-349

Number of Contractor Employees: 29

## **Work Performed**

### **Mobilization**

NW Construction mobilized a CAT 140h motor grader, a CAT 563 padded drum roller, a CAT CS64B smooth drum roller, a CAT 320 excavator, and another 2000-gal water truck for Dog Valley Road and saddle dike construction.

### **Primary Borrow Area Processing**

NW Construction continued processing Zone 2A material from the primary borrow area using a 3-deck screening plant. Approximately, 25,000-cyds was produced this month.

### **Dog Valley Road Improvements**

NW Construction started and finished placing and compacting aggregate base on the 2-mile section of Dog Valley Road extending from Stampede Boat Ramp Access Road to Horbert Mills Road. NW Construction installed the four culvert crossings on Dog Valley Road.

VSSI, subcontractor, started and completed double chip sealing on Dog Valley Road over the completed aggregate base. VSSI also chip sealed the road for the borrowing pit.

### **Tree Removal**

Mountain F Enterprise started and finished removing trees for East and West Saddle Dikes construction this month. Tree removal was also started on the dam embankment location.

### **Saddle Dike Construction**

NW Construction excavated the foundation for West and East Saddle Dikes. Both foundations were approved by government representatives. NW Construction placed and compacted backfill for the West Saddle Dike embankment this month. NW Construction started constructing the new East Saddle Dike road. Subgrade was prepared, and aggregate base was placed and compacted. NW Construction also started placing and compacting backfill for the East Saddle Dike.

### **Storm Water Pollution Prevention Plan Activities**

NW Construction installed silt fence and rock check dams at the Saddle Dike borrow area and in the Dog Valley Road area.



**Stampede Dam – Dam Safety Modifications**  
**A view of the excavation area at the West Saddle Dike.**



**Stampede Dam – Dam Safety Modifications  
A view of the excavation area at the East Saddle Dike.**

# **Northern California Area Office**

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**Contract No. R15PC00150**  
**Specification No. 20-C0824**  
**Trinity Dam Intake Mechanical Equipment Refurbishment/Gate**  
**Shaft Refurbishing, Phase I – Trinity River Division, Central**  
**Valley Project, California**  
**BCI Construction USA, Inc., Belleville, IL**

Work Performed	September	5.3%
	Time Elapsed	100%
	Work Completed	85.2%
Contractor Earnings	September	\$134,137.50
	Previous	\$2,010,155.20
	Total to Date	\$2,144,292.70
MPCO Noncontract Costs	1 <sup>st</sup> Quarter Expenditures	\$26,997.00
	2 <sup>nd</sup> Quarter Expenditures	\$51,985.00
	3 <sup>rd</sup> Quarter Expenditures	\$117,338.00
	4 <sup>th</sup> Quarter Expenditures	\$113,821.00
	FY16 Cumulative Total	\$310,141.00
	FY16 Budgeted	\$310,145.00
	Amount Remaining	\$4.00
Percent Remaining	0.0%	

**Area Office Project Management**

Project Manager: Robert Gee, NCAO-230

**Office Engineering**

Contract Administrator: Kevin Jacobs, MPCO-214

Invoice No. 08, in the amount of \$134,137.50, was received this reporting period for work performed during the month of August.

**Field Engineering**

Construction Manager: Brian Wagner, MPCO-300

Construction Representative: Jason Foust, MPCO-325

Number of Contractor Employees: 5

**Work Performed**

The contractor continued to grout cracks found in the concrete.

The contractor installed the electro-osmotic pulse system.



**Trinity Dam Intake Mechanical Equipment Refurbishment/Gate Shaft  
Refurbishing, Phase I**  
A photo of the spot welder that was utilized to terminate contact between the  
anode strips and the #10 AWG conductor.



**Trinity Dam Intake Mechanical Equipment Refurbishment/Gate Shaft  
Refurbishing, Phase I  
The Contractor performing conductor testing in the gate shaft prior to  
terminating.**



**Trinity Dam Intake Mechanical Equipment Refurbishment/Gate Shaft  
Refurbishing, Phase I**

**A view of the grout that was applied by the Contractor to the slot, to contain all  
conductor within the shaft profile.**



**Trinity Dam Intake Mechanical Equipment Refurbishment/Gate Shaft  
Refurbishing, Phase I  
A photo of the new Master Control Center (MCC) located inside the gate shaft.**

**Contract No. R15PC00089**  
**Specification No. 20-C0831**  
**Intake 3 Screen Extension, Coleman National Fish Hatchery,**  
**Shasta Division, Central Valley Project, California**  
**Contractor Services Group, Inc., West Sacramento, CA**

Work Performed	September	0.0%
	Time Elapsed	73.1%
	Work Completed	87.7%
Contractor Earnings	September	\$0.00
	Previous	\$1,281,011.80
	Total to Date	\$1,281,011.80
MPCO Noncontract Costs	1 <sup>st</sup> Quarter Expenditures	\$10,733.00
	2 <sup>nd</sup> Quarter Expenditures	\$34,816.00
	3 <sup>rd</sup> Quarter Expenditures	\$54,028.00
	4 <sup>th</sup> Quarter Expenditures	\$81,108.00
	FY16 Cumulative Total	\$180,685.00
	FY16 Budgeted	\$188,640.00
	Amount Remaining	\$7,955.00
Percent Remaining	4.22%	

**Area Office Project Management**

Project Manager: Hank Harrington, NC-210

**Office Engineering**

Contract Manager: Kent Perkes, MPCO-225

**Field Engineering**

Construction Manager: Brian Wagner, MPCO-300

Construction Representative: Fernando Pavone, MPCO-333

Number of Contractor Employees: 13

**Work Performed**

**Metal Work-Lower Platform**

Contractors Service Group (CSG) crew installed the metal platform supports and grating.

**Metal Work – Upper Platform**

CSG, along with Dura Crane, installed the upper metal platform, after the installation of the blocking plates; the crew also installed the new handrails on the upper platform.

### **Blocking Plate Installation**

Safway Services installed the scaffolding system at the sluice way to assist with the installation of the blocking plates. CSG marked the vertical and horizontal location for the installation of the upper and lower blocking plates. CSG, with Dura Crane, temporarily installed the lower blocking plates in place and proceeded to drill the holes for the anchor bolts. The crew installed the anchor bolts on each of the bays, using the ½-inch diameter (anchor rod Has-R 304 ½”x 61/2” #385464) stainless steel anchor bolts, and then used Epoxy Hilti Hit-RE 500 V3 #2123404 on them. The crew also installed the upper blocking plates using the same anchor and epoxy material. The crew installed the intermediate plates in between bays 1 and 2, in between bays 2 and 3, and in between bays 3 and 4.

### **Coating Repair**

CSG repaired the coating on the blocking plates using the Sherwin Williams 8522 macro-poxy 646 fast cure semi-gloss 4030 nickel B58v600 part A and B.

### **Submersible Vertical Turbine Pumps Unit**

Two submersible pump units were delivered to the site. CSG assembled the spray water manifold by putting together gate valves, the check valve and the manifold piping.

### **Fish Screen Installation**

CSG installed new P-seal on screen No. 4. With the assistance of subcontractor Dura Crane they installed the screen in the bay. Bullert electricians connected the electric to power bay 4.



**Intake 3, Screen Extension, Coleman National Fish Hatchery  
A view of the upper blocking plates in bays 1, 2, 3, and 4.**

**Contract No. R16PC00006**  
**Specification No. 20-C0841**  
**Trinity Powerplant Generator Rewinds - Trinity River Division,**  
**Central Valley Project, California**  
**Voith Hydro, Inc., York, PA**

Work Performed	September	1.0%
	Time Elapsed	30.7%
	Work Completed	0.0%
Contractor Earnings	September	\$138,323.23
	Previous	\$0.00
	Total to Date	\$138,323.23
MPCO Noncontract Costs	1 <sup>st</sup> Quarter Expenditures	\$6,669.00
	2 <sup>nd</sup> Quarter Expenditures	\$13,419.00
	3 <sup>rd</sup> Quarter Expenditures	\$37,990.00
	4 <sup>th</sup> Quarter Expenditures	\$84,375.00
	FY16 Cumulative Total	\$142,453.00
	FY16 Budgeted	\$91,980.00
	Amount Remaining	\$0.00
	Percent Remaining	0.0%

**Area Office Project Management**

Project Manager: Joe Ascoli, NC-650

**Office Engineering**

Contract Administrator: Kevin Jacobs, MPCO-214

Invoice No. 01, in the amount of \$138,323.23, was received this reporting period for Bonds and Insurance.

**Field Engineering**

Construction Manager: Brian Wagner, MPCO-300

Construction Representative: Stephen Holmes, MPCO-320

Number of Contractor Employees: 0

**Work Performed**

No onsite work was performed during this reporting period.

**Contract No. R16PC00079**  
**Specification No. 20-C0851**  
**Red Bluff Flap Gate Retrofit - Sacramento Canals Unit,**  
**Sacramento River Division, Central Valley Project, California**  
**E.C. Smith, Inc., Anderson, CA**

Work Performed	September	9.2%
	Time Elapsed	26.4%
	Work Completed	9.2%
Contractor Earnings	September	\$40,579.00
	Previous	\$0.00
	Total to Date	\$40,579.00
MPCO Noncontract Costs	1 <sup>st</sup> Quarter Expenditures	\$7,644.00
	2 <sup>nd</sup> Quarter Expenditures	\$0.00
	3 <sup>rd</sup> Quarter Expenditures	\$3,726.00
	4 <sup>th</sup> Quarter Expenditures	\$16,963.00
	FY16 Cumulative Total	\$28,353.00
	FY16 Budgeted	\$37,755.00
	Amount Remaining	\$9,402.00
Percent Remaining	24.9%	

The above MPCO noncontract costs include costs for all Red Bluff contracts.

**Area Office Project Management**

Project Manager: John Menniti, MPCO-110

**Office Engineering**

Contract Administrator: Kevin Jacobs, MPCO-214

Invoice No. 01, in the amount of \$40,579.00, was received this reporting period for work performed from June to September 2016.

**Field Engineering**

Construction Manager: Brian Wagner, MPCO-300

Construction Representative: Stephen Holmes, MPCO-320.

Number of Contractor Employees: 0

**Work Performed**

Design and submittal of new flap gate was performed.

**Contract No. R16PC00134**  
**Specification No. 20-C0852**  
**Whiskeytown Lake - Spring Creek Temperature Control Curtain -**  
**Trinity River Division, Central Valley Project, California**  
**BCI Construction USA, Inc., Belleville IL**

Work Performed	September	0.0%
	Time Elapsed	0.0%
	Work Completed	0.0%
Contractor Earnings	September	\$0.00
	Previous	\$0.00
	Total to Date	\$0.00
MPCO Noncontract Costs	1 <sup>st</sup> Quarter Expenditures	\$3,906.00
	2 <sup>nd</sup> Quarter Expenditures	\$0.00
	3 <sup>rd</sup> Quarter Expenditures	\$6,402.00
	4 <sup>th</sup> Quarter Expenditures	\$8,228.00
	FY16 Cumulative Total	\$18,356.00
	FY16 Budgeted	\$52,360.00
	Amount Remaining	\$33,824.00
Percent Remaining	64.6%	

**Area Office Project Management**  
 Project Manager: Robert Gee, NC-230

**Office Engineering**  
 Contract Manager: Amber Pierce, MPCO-205

The Post Award Meeting was held on September 15, 2016. The Notice to Proceed has not yet been issued for this contract.

**Field Engineering**  
 Construction Manager: Brian Wagner  
 Construction Representative: David B. Derk

**Work performed**  
 No onsite work was performed during this period.

**Contract No. R11PC2023S**  
**Specification No. None**  
**Red Bluff Diversion Dam, Fish Passage Improvement Project**  
**Terrestrial Mitigation - Sacramento River Division, Central Valley**  
**Project, California**  
**Tehama Environmental Solutions, Inc., Red Bluff, California**

Work Performed	September	0.0%
	Time Elapsed	77.9%
	Work Completed	98.9%
Contractor Earnings	September	\$0.00
	Previous	\$4,806,130.13
	Total to Date	\$4,806,130.13
MPCO Noncontract Costs	1 <sup>st</sup> Quarter Expenditures	\$0.00
	2 <sup>nd</sup> Quarter Expenditures	\$0.00
	3 <sup>rd</sup> Quarter Expenditures	\$0.00
	4 <sup>th</sup> Quarter Expenditures	\$0.00
	FY16 Cumulative Total	\$0.00
	FY16 Budgeted	\$0.00
	Amount Remaining	\$0.00
	Percent Remaining	100%

Noncontract costs for this contract are included in the noncontract costs for the Red Bluff Flap Gate Retrofit contract located on page 38.

**Area Office Project Management**

Project Manager: Hank Harrington, NC-210

**Office Engineering**

Contract Manager: Kevin Jacobs, MPCO-214

**Field Engineering**

Construction Manager: Brian Wagner, MPCO-300

Construction Representative: Fernando Pavone, MPCO-333

Number of Contractor Employees: 0

**Work performed**

The Contractor's current activity consists of maintaining and monitoring vegetation it planted in 2011.

# **South Central California Area Office**

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**Contract No. R16PC00110**  
**Specification No. 20-C0853**  
**Madera Canal Headworks Low-Flow Valve - Friant Division,**  
**Central Valley Project, California**  
**BCI Construction USA, Inc., Pace, FL**

Work Performed	September	0.0%
	Time Elapsed	13.4%
	Work Completed	0.0%
Contractor Earnings	September	\$0.00
	Previous	\$0.00
	Total to Date	\$0.00
MPCO Noncontract Costs	1 <sup>st</sup> Quarter Expenditures	\$0.00
	2 <sup>nd</sup> Quarter Expenditures	\$0.00
	3 <sup>rd</sup> Quarter Expenditures	\$80.00
	4 <sup>th</sup> Quarter Expenditures	\$4,980.00
	FY16 Cumulative Total	\$4,970.00
	FY16 Budgeted	\$25,000.00
	Amount Remaining	\$20,030.00
Percent Remaining	80.1%	

**Area Office Project Management**

Project Manager: Adam Nickels, MP-153

**Office Engineering**

Contract Administrator: Larry Bowman, MPCO-240

**Field Engineering**

Construction Engineer: Brian Wagner, MPCO-300

Construction Representative: Daniel Pavone, MPCO-333

Number of Contractor Employees: 0

**Work Activities:**

No onsite work was performed this reporting period.

**Contract No. R16PC00100**  
**Specification No. None**  
**Lake Woollomes Recreation Area Asphalt Replacement - Central Valley Project, California**  
**Construction Solutions Group, St. Louis, MO**

Work Performed	September	0.0%
	Time Elapsed	48%
	Work Completed	0.0%
Contractor Earnings	September	\$0.00
	Previous	\$0.00
	Total to Date	\$0.00
MPCO Noncontract Costs	1 <sup>st</sup> Quarter Expenditures	\$2,601.00
	2 <sup>nd</sup> Quarter Expenditures	\$1,650.00
	3 <sup>rd</sup> Quarter Expenditures	\$1,959.00
	4 <sup>th</sup> Quarter Expenditures	\$6,033.00
	FY16 Cumulative Total	\$12,243.00
	FY16 Budgeted	\$16,410.00
	Amount Remaining	\$4,167.00
Percent Remaining	25.4%	

**Area Office Project Management**

Project Manager: Todd Hill, MP-240

**Office Engineering**

Contract Manager: Kent Perkes, MPCO-225

**Field Engineering**

Construction Manager: Brian Wagner, MPCO-300

Construction Representative: Jeffrey Kelly

Number of Contractor Employees: 0

**Work Performed**

No onsite work was performed during this period.

# **San Joaquin River Restoration Program**

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**Contract No. R16PC00061**  
**Specification No. 20-C0849**  
**Eastside Bypass Low Flow Conveyance - San Joaquin River**  
**Restoration Program - Friant Division, Central Valley Project,**  
**California**  
**Arrow S Company Inc., Arbuckle, CA**

Work Performed	September	4.0%
	Time Elapsed	100%
	Work Completed	100%
Contractor Earnings	September	\$172,401.60
	Previous	\$827,914.97
	Total to Date	\$1,000,316.57
MPCO Noncontract Costs	1 <sup>st</sup> Quarter Expenditures	\$0.00
	2 <sup>nd</sup> Quarter Expenditures	\$0.00
	3 <sup>rd</sup> Quarter Expenditures	\$10,440.00
	4 <sup>th</sup> Quarter Expenditures	\$37,926.00
	FY16 Cumulative Total	\$48,366.00
	FY16 Budgeted	\$35,500.00
	Amount Remaining	\$0.00
	Percent Remaining	0.0%

**Area Office Project Management**

Project Manager: Tyler Nunes, MP-170

**Office Engineering**

Contract Manager: Larry Bowman, MPCO-240

Invoice No. 02, in the amount of \$172,401.60, was received this reporting period for work performed from August 11, 2016 to September 16, 2016.

**Field Engineering**

Construction Engineer: Brian Wagner, MPCO-300

Construction Representative: Sean Hill, MPCO-328

Number of Contractor Employees: 9

**Work Performed**

No onsite work was performed during this reporting period.

**Contract No. R16PC00111**  
**Specification No. 20-C0855**  
**San Joaquin Hatchery Water Supply Pipeline – San Joaquin River**  
**Restoration Program, Friant Division, Central Valley Project,**  
**California**  
**BCI Construction USA, Inc., Pace, FL**

Work Performed	September	0.0%
	Time Elapsed	0.0%
	Work Completed	0.0%
Contractor Earnings	September	\$0.00
	Previous	\$0.00
	Total to Date	\$0.00
MPCO Noncontract Costs	1 <sup>st</sup> Quarter Expenditures	\$0.00
	2 <sup>nd</sup> Quarter Expenditures	\$6,635.00
	3 <sup>rd</sup> Quarter Expenditures	\$29,848.00
	4 <sup>th</sup> Quarter Expenditures	\$8,417.00
	FY16 Cumulative Total	\$44,900.00
	FY16 Budgeted	\$84,640.00
	Amount Remaining	\$39,740.00
Percent Remaining	46.9%	

**Area Office Project Management**

Project Manager: Adam Nickels, MP-170

**Office Engineering**

Contract Manager: Kent Perkes, MPCO-225

**Field Engineering**

Construction Manager: Brian Wagner, MPCO-300

Construction Representative: Fernando Pavone, MPCO-333

Number of Contractor Employees: 0

**Work Performed**

No onsite work was performed during this period.

# **Mid-Pacific Regional Office**

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**Contract No. R16PC00091**  
**Specification No. 20-C0843**  
**North Fork Screens and Ladder Completion Contract - Battle Creek Salmon and Steelhead Restoration Project, California**  
**TNT Industrial Contractors, Inc., Sacramento, CA**

Work Performed	September	0.0%
	Time Elapsed	7.3%
	Work Completed	0.0%
Contractor Earnings	September	\$0.00
	Previous	\$0.00
	Total to Date	\$0.00
MPCO Noncontract Costs	1 <sup>st</sup> Quarter Expenditures	\$36,118.00
	2 <sup>nd</sup> Quarter Expenditures	\$6,757.00
	3 <sup>rd</sup> Quarter Expenditures	\$67,881.00
	4 <sup>th</sup> Quarter Expenditures	\$79,689.00
	FY16 Cumulative Total	\$190,445.00
	FY16 Budgeted	\$193,910.00
	Amount Remaining	\$3,465.00
	Percent Remaining	1.79%

MPCO noncontract costs include costs for Battle Creek Field Office along with Civil, Mechanical, and Electrical Engineering Design changes.

**Area Office Project Management**

Project Manager: Mary Marshall, MP-203

**Office Engineering**

Contract Administrator: Kevin Jacobs, MPCO-214

**Field Engineering**

Construction Manager: Brian Wagner, MPCO-300

Construction Representative: Jason Foust, MPCO-325

Number of Contractor Employees: 0

**Work Performed**

No onsite work was performed during this reporting period.

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# **Contracts in Warranty Status**

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**R09PC20R03 20-C0677 Transformer K1A and K2A Replacements, Folsom Power Plant:**

There was no Office Engineering Administrative activity this period. The 5-year warranty for K2A extends to January 4, 2017.

**R10PC20767 20-C0703 Folsom Power Plant U1, U2, and U3 Replacement Runners:**

There was no Office Engineering Administrative activity during this period. The 2-year warranty period began January 28, 2015, and will end January 27, 2017

**R15PC00337 20-C0842 Marble Bluff Dam Spillway Repair, Washoe Project, Nevada-California:**

There was no Office Engineering Administrative activity during this period. The 1-year warranty period began October 1, 2015, and will end September 30, 2016.

**R13PC20088 20-C0808 Prosser Creek Dam Refurbish High-Pressure Gate Seats and Regulating Gates, Stampede Division, Washoe Project, Nevada-California:**

There was no Office Engineering Administrative activity during this period. The 1-year warranty period began November 7, 2015, and will end November 6, 2016.

**R15PC00090 20-C0840 Nimbus Fish Hatchery 16-inch Pipeline Replacement, Central Valley Project, California:**

There was no Office Engineering Administrative activity during this period. The 1-year warranty period began October 22, 2015, and will end on October 21, 2016.

**R15PC00064 20-C0830 New Melones Lift Station Repairs – East Side Division, Central Valley Project, California:**

There was no Office Engineering Administrative activity during this period. The 1-year warranty period began October 23, 2015, and will end on October 22, 2016

**R15PC00102 No. 20-C0839 Keswick Fish Trap Brail Replacement, Keswick Dam, California:**

Final as-built drawings were reviewed by Office Engineering during this period. The 1-year warranty period began December 22, 2015 and will end December 21, 2016.

**R13PC20172 No. 20-C0817 JF Carr, Spring Creek, and Trinity Powerplant Pavement Rehabilitation - Trinity River Division, Central Valley Project, California:**

There was no Office Engineering Administrative activity during this period. The 1-year warranty period began October 22, 2015 and will end October 21, 2016.

**R10PC2010 No. 20-C0755 Spring Creek Powerplant Generators G1 and G2 Rewind – Trinity River Division, Central Valley Project, California:**

There was no Office Engineering Administrative activity during this period. The 3-year warranty period began October 1, 2015 and will end September 30, 2018.

**R13PC20092 No. 20-C0807 Mormon Island Auxiliary Dam Overlay, Safety of Dams Modification - Folsom Unit, American River Division, Central Valley Project, California:**

There was no Office Engineering Administrative activity during this period. The 1-year warranty period began October 28, 2015 and will end October 27, 2016.

**R14PC00125 None Folsom Temporary Pump Station – Folsom Unit, American River Division, Central Valley Project, California:**

There was no Office Engineering Administrative activity during this period. The 1-year warranty period began October 2, 2015, and will end October 1, 2016

**R13PC20508 20-C0788 San Luis Demonstration Treatment Plant – San Luis Unit, West San Joaquin Division, Central Valley Project, California:**

Invoice 32, in the amount of \$177,524.56, was received for work performed through June 30, 2016. The 1-year warranty period began June 30, 2016 and will end June 29, 2017.

**R15PC00050 20-C0829 Safety and Facility Access Improvements – Hydropower Facility Modifications - Battle Creek Salmon and Steelhead Restoration Project, California:**

There was no Office Engineering Administration activity during this period. The 1-year warranty period began January 26, 2016 and will end January 25, 2017.

**R11PC20185 No. 20-C0778 Tracy 13.8kV Switchgear/Breaker Replacement – Tracy Pumping Plant and Substation - Delta Division, Central Valley Project, California**

Office Engineering worked on Modification 021 this reporting period that reduced the total contract amount by \$23,293.13. The 1-year warranty period began June 22, 2016 and will end June 21, 2017.

**R15PC00041 No. 20-C0827 Keswick Powerplant Main Bus Replacement - Shasta Division, Central Valley Project, California**

There was no Office Engineering Administration activity during this period. The 1-year warranty period began April 4, 2016 and will end April 3, 2017.

**R15PC00132 No. 20-C0845 Lake Berryessa Putah Canyon Drinking Water Well – Lake Berryessa, Solano Project, California**

Office Engineering received Invoice No. 6 in the amount of \$14,043.78 for work performed from June 29, 2016 to August 30, 2016. The 1-year warranty period began August 27, 2016 and will end August 26, 2017.