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

December 2016

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

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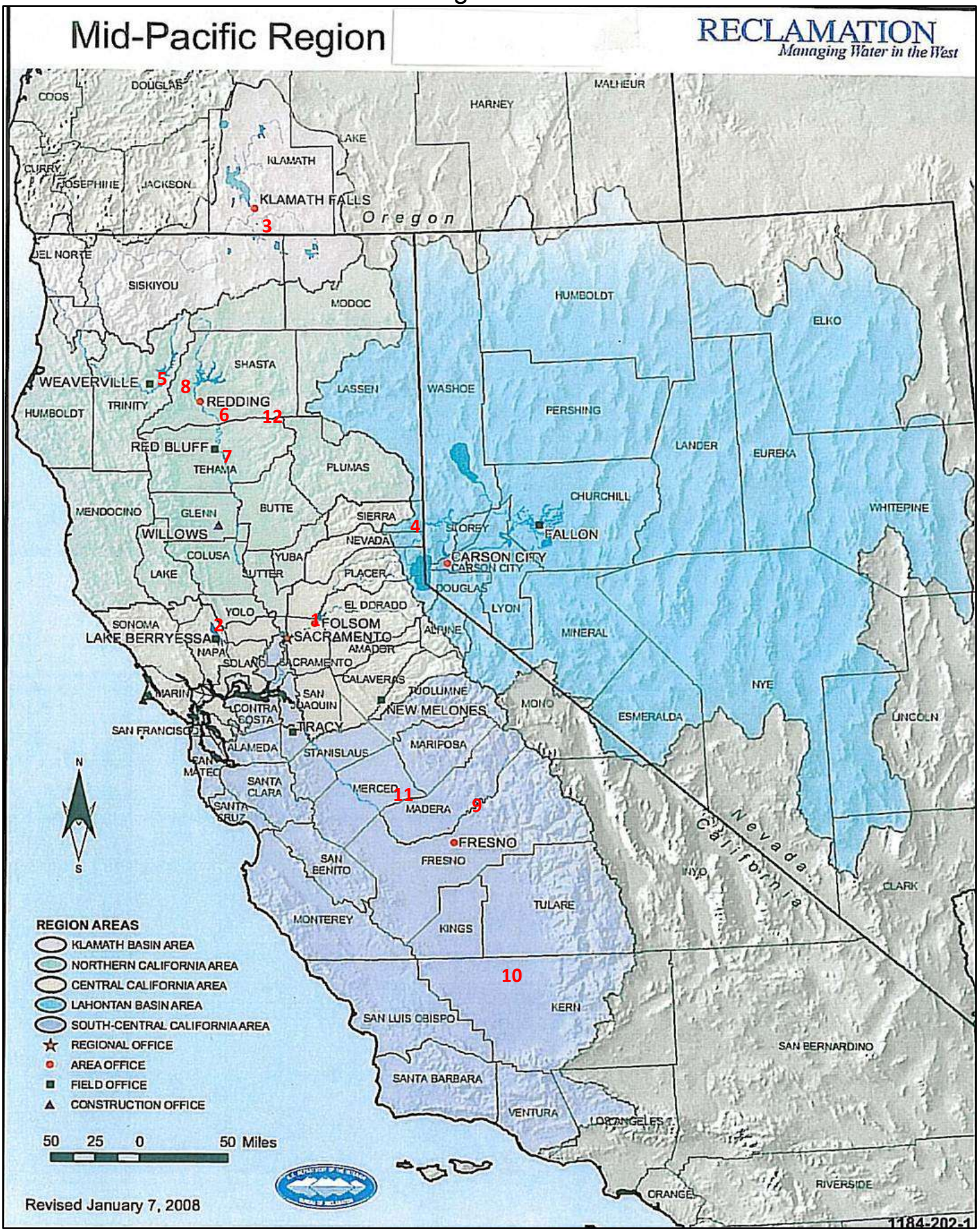

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STAFFING
MID-PACIFIC CONSTRUCTION OFFICE

The Mid-Pacific Construction Office had 38 construction and administrative employees at the close of this month as follows:

Construction Engineer's Office	2
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GLOSSARY
ACRONYMS AND ABBREVIATIONS

ACRONYM	MEANING
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
SJRRP	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	December	0.0%
	Time Elapsed	100.0%
	Work Completed	100.0%
Contractor Earnings	December	$0.00
	Previous	$20,610,792.74
	Total to Date	$20,610,792.74
MPCO Noncontract Costs	1st Quarter Expenditures	$16,398.00
	2nd Quarter Expenditures	$0.00
	3rd Quarter Expenditures	$0.00
	4th Quarter Expenditures	$0.00
	FY17 Cumulative Total	$0.00
	FY17 Budgeted	$44,435.00
	Amount Remaining	$28,037.00
	Percent Remaining	63.1%

Area Office Project Management
Project Manager: Jesse Castro, CC-607

Office Engineering
Contract Administrator: Larry Bowman, MPCO-240

Field Engineering
Construction Manager: Reynaldo Garcia, MPCO-310
Construction Representative: Todd Dooley, MPCO-314.

Number of Contractor Employees: 0

Work Performed
No onsite work was performed during 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	December	2.7%
	Time Elapsed	72.4%
	Work Completed	74.9%
Contractor Earnings	December	$281,456.46
	Previous	$7,545,252.03
	Total to Date	$7,826,708.49
MPCO Noncontract Costs	1st Quarter Expenditures	$67,874.00
	2nd Quarter Expenditures	$0.00
	3rd Quarter Expenditures	$0.00
	4th Quarter Expenditures	$0.00
	FY17 Cumulative Total	$0.00
	FY17 Budgeted	$370,100.00
	Amount Remaining	$302,226.00
	Percent Remaining	81.7%

Area Office Project Management
Project Manager: Jeffery Croshal, CC-611

Office Engineering
Contract Administrator: Larry Bowman, MPCO-240

Invoice No. 18, in the amount of $281,456.46, was received for work performed from November 1, 2016 to November 30, 2016.

Field Engineering
Construction Manager: Reynaldo Garcia, MPCO-310
Construction Representative: Todd Dooley, MPCO-314

Number of Contractor Employees: 8

Work Performed
With the assistance of a dive crew from DTW Marine, Inc., Alltech removed the bulkhead (with attached pier braces) from its location across the upstream piers of Gate 9. The bulkhead was then floated (in a raft-configuration) and safety moored adjacent to the headworks of the Folsom South Canal (on the south side of the Sacramento State Aquatic Center).

The railings on the downstream side of the Nimbus Dam Bridge and Powerplant were prepped previously by Alltech's painting subcontractor. Using an electric bandsaw and a cut-off wheel on a hand held electric grinder, cuts were made through each of the vertical posts just below the top railing and to separate the top rail from the vertical light posts. A crane then moved each top section to the staging trailer, where pre-cut pipe extensions were welded to the vertical post stubs. The crane then returned each top railing to its handrail location, where the extensions were welded to the existing vertical posts and to the vertical light post. Grinding and abrasive wheels were used to smooth and dress each of the weld connections.

Due to rain throughout the month, Alltech's crew was limited in their ability to perform the outside work to raise handrails. Most of their equipment is electrical (band saw, welders, grinders). They were able to complete raising the railings across Gates 16, 17, and 18.

Both of the pumps used to evacuate water from the gate chambers have become inoperable. Alltech took these pumps to a service center in Reno, Nevada for repair.

Alltech fabricated the second of two steel pad-eyes that might be used for mooring the bulkhead during the normal flood season.

Alltech's Safety Professional conducted weekly safety inspections. No significant safety issues were found.

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

Work Performed	December	0.0%
	Time Elapsed	100%
	Work Completed	100%
Contractor Earnings	December	$0.00
	Previous	$888,964.44
	Total to Date	$888,964.44
MPCO Noncontract Costs	1st Quarter Expenditures	$54,601.00
	2nd Quarter Expenditures	$0.00
	3rd Quarter Expenditures	$0.00
	4th Quarter Expenditures	$0.00
	FY17 Cumulative Total	$0.00
	FY17 Budgeted	$72,910.00
	Amount Remaining	$18,309.00
	Percent Remaining	25.1%

Area Office Project Management
Project Manager: Peter Funkhouser, CC-440

Office Engineering
Contract Manager: Larry Bowman, MPCO-240

Field Engineering
Construction Manager: Reynaldo Garcia, MPCO-310
Construction Representative: Jeffrey Kelly, MPCO-322

Number of Contractor Employees: 0

Work Performed
No onsite work was performed during this reporting period.

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	December	0.0%
	Time Elapsed	59.3%
	Work Completed	0.0%
Contractor Earnings	December	$0.00
	Previous	$0.00
	Total to Date	$0.00
MPCO Noncontract Costs	1st Quarter Expenditures	$47,610.00
	2nd Quarter Expenditures	$0.00
	3rd Quarter Expenditures	$0.00
	4th Quarter Expenditures	$0.00
	FY17 Cumulative Total	$0.00
	FY17 Budgeted	$217,195.00
	Amount Remaining	$169,585.00
	Percent Remaining	78.1%

Area Office Project Management
Project Manager: Vanhue Ly, CC-606B

Office Engineering
Contract Administrator: Larry Bowman, MPCO-240

Field Engineering
Construction Manager: Reynaldo Garcia, MPCO-310
Construction Representative: Sean Frische, MPCO-317

Number of Contractor Employees: 4

Work Performed
Cal Electro, Inc. (CEI) mobilized a CAT TL1255 telehandler, a Terex PT-70 skid-steer loader, a Haulmark 8'x28' Cargo Trailer, and a Mobile-Mini 8'x20' Portable Office. They also had three spools of 5 kV rated cable (1,000 linear feet total) delivered to be used to route UHA feeders to the temporary switchgear at a later date.

Contractor used the Terex PT-70 skid-steer loader to remove and stockpile the gravel surfacing around the existing switchgear where the new concrete slab will be placed.

Subcontractor Elite Environmental performed sample collection on the switch gear cabinetry, concrete slab, and covering canopy prior to dismantling and demolition work. The samples will be sent to a laboratory and analyzed for the presence of heavy metals. The primary concern is the presence of lead based paint.

The Contractor used 5-inch conduit, couplers, elbows, and fittings to begin installation of the above ground conduits that will feed power through the two existing transformers and through the temporary switching gear. In total, six conduit runs are being installed (three from the temporary switching gear to each of the two transformers).

Folsom UHA Switchgear Replacement
The Contractor installing electrical conduit above ground that will service the temporary switchgear.

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	December	0.0%
	Time Elapsed	25%
	Work Completed	0.0%
Contractor Earnings	December	$0.00
	Previous	$0.00
	Total to Date	$0.00
MPCO Noncontract Costs	1st Quarter Expenditures	$14,891.00
	2nd Quarter Expenditures	$0.00
	3rd Quarter Expenditures	$0.00
	4th Quarter Expenditures	$0.00
	FY17 Cumulative Total	$0.00
	FY17 Budgeted	$81,205.00
	Amount Remaining	$66,314.00
	Percent Remaining	81.7%

Area Office Project Management
Project Manager: Brian Zewe, CC-612

Office Engineering
Contract Manager: Kent Perkes, MPCO-225

Modification No. 0001, Time Extension, was executed on December 29, 2016, to extend the contract 365 days at no additional cost.

Field Engineering
Construction Manager: Reynaldo Garcia, MPCO-310
Construction Representative: Todd Dooley, MPCO-314

Number of Contractor Employees: 0

Work Activities:
No onsite work was performed during this period.

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

Work Performed	December	42.7%
	Time Elapsed	72.2%
	Work Completed	78.5%
Contractor Earnings	December	$157,683.00
	Previous	$132,174.00
	Total to Date	$289,857.00
MPCO Noncontract Costs	1st Quarter Expenditures	$65,830.00
	2nd Quarter Expenditures	$0.00
	3rd Quarter Expenditures	$0.00
	4th Quarter Expenditures	$0.00
	FY17 Cumulative Total	$0.00
	FY17 Budgeted	$94,645.00
	Amount Remaining	$28,815.00
	Percent Remaining	30.4%

Area Office Project Management
Project Manager: Mark Lewis, CC-641

Office Engineering
Contract Manager: Amber Pierce, MPCO-205

Invoice No. 03, in the amount of $157,683.00, was received this reporting period for work performed from October 29, 2016 to November 28, 2016.

Field Engineering
Construction Manager: Reynaldo Garcia, MPCO-310
Construction Representative: Sean Frische, MPCO-317

Number of Contractor Employees: 5

Work Performed
Subcontractors DKW and PMSI completed assembly of the ramps and stairs except for a landing at the bottom of the stairs at the northeast building entrance.

Subcontractor DKW began installation of the chain link security fence. They completed installation of all of the fence posts, brace rails, tension wires, barbed wire, and a man-gate. The subcontractor also began installation of the chain link fabric.

CCAO electricians reconnected power to the relocated modular building and began reinstalling the data lines that were cut in order to move the modules. Also, the CCAO painter began repainting the exterior of the modular building to match the adjacent CCAO office buildings. Subcontractor, DKW, placed chain link fence from roller gate to the new double 10-foot gates.

Folsom Dam Resource Building Replacement - Modular Office
The subcontractor installing the chainlink double roller gates.

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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	December	0.0%
	Time Elapsed	100%
	Work Completed	48.5%
Contractor Earnings	December	$69,931.06
	Previous	$275,327.05
	Total to Date	$345,258.11
MPCO Noncontract Costs	1st Quarter Expenditures	$60,645.00
	2nd Quarter Expenditures	$0.00
	3rd Quarter Expenditures	$0.00
	4th Quarter Expenditures	$0.00
	FY17 Cumulative Total	$0.00
	FY17 Budgeted	$76,760.00
	Amount Remaining	$16,115.00
	Percent Remaining	20.9%

Area Office Project Management
Project Manager: John Menniti, MPCO-110

Office Engineering
Contract Manager: Kent Perkes, MPCO-225

Invoice No. 005, in the amount of $69,931.06, was received this reporting period for work performed from September 2, 2016 to October 31, 2016.

Field Engineering
Construction Manager: Brian Wagner, MPCO-300
Construction Representative: Russell Davies, MPCO-341

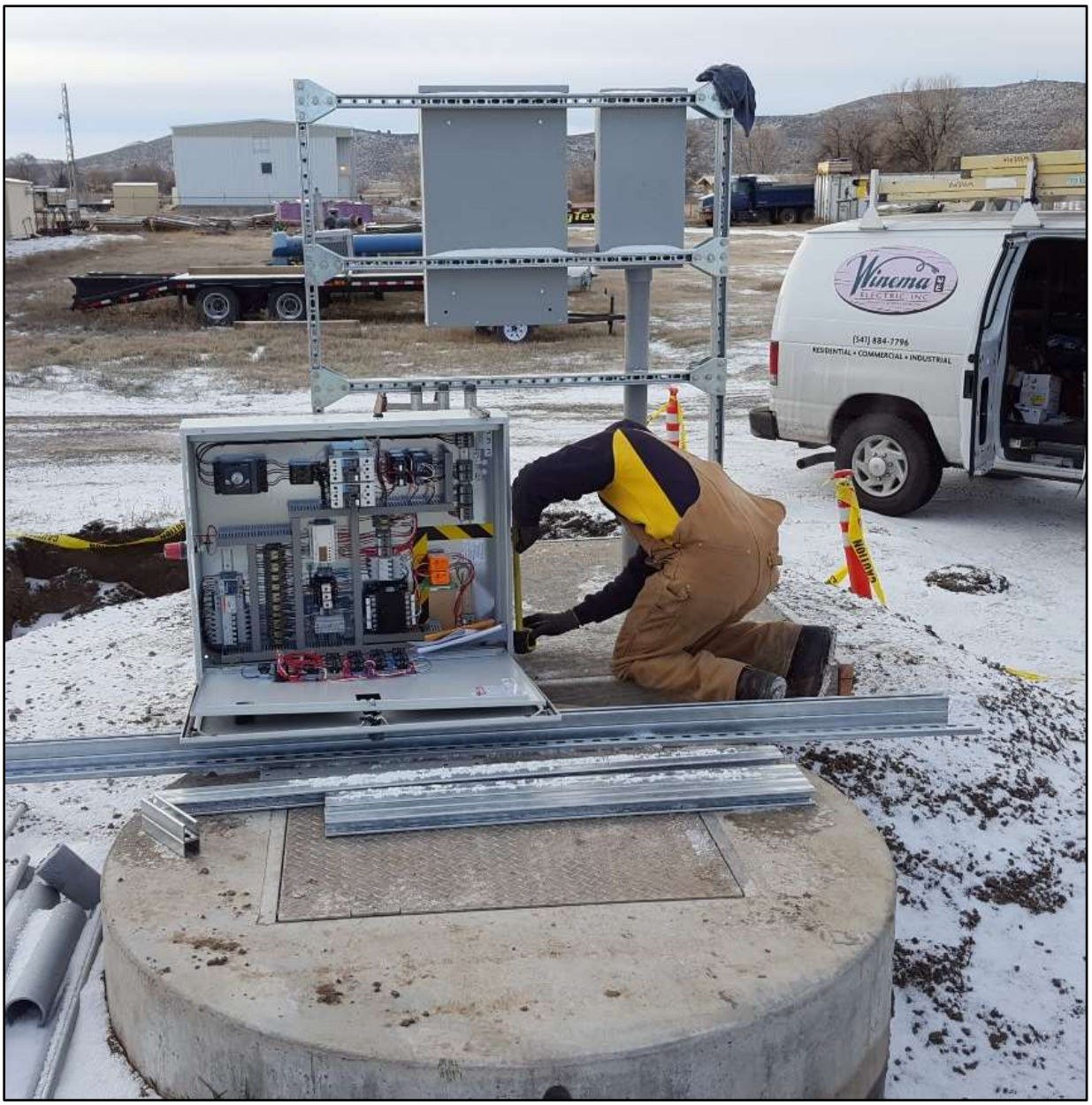
Number of Contractor Employees: 3

Work Performed
Bob's Excavating personnel prepared the pipeline for preliminary pressure testing and repaired a manhole cover along the pavement strip along Swan Court.

Winema Electric and Bob's Excavating crew members constructed the pad for the wet well control panel mount. Winema Electric and Pacific Power connected the control panel system to the power grid. Power and controls for the magnetic flowmeter were installed by Winema Electric.

Klamath Basin Area Office Sewer Lift Station
The replaced manhole cover at Station 18+00.

Klamath Basin Area Office Sewer Lift Station
The new meter and circuit breaker boxes installed.



Klamath Basin Area Office Sewer Lift Station
The electrical subcontractor working on the new circuit breaker and meter box.

Klamath Basin Area Office Sewer Lift Station
Concrete poured in a form tube for the bracket that will hold the magnetic flowmeter.

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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	December	0.0%
	Time Elapsed	24%
	Work Completed	17.6%
Contractor Earnings	December	$0.00
	Previous	$3,828,660.38
	Total to Date	$3,828,660.38
MPCO Noncontract Costs	1st Quarter Expenditures	$167,472.00
	2nd Quarter Expenditures	$0.00
	3rd Quarter Expenditures	$0.00
	4th Quarter Expenditures	$0.00
	FY17 Cumulative Total	$0.00
	FY17 Budgeted	$211,120.00
	Amount Remaining	$43,648.00
	Percent Remaining	20.7%

Area Office Project Management
Project Manager: Todd Hill, MP-240

Office Engineering
Contract Manager: Kent Perkes, MPCO-225

Modification No. 0002, Realign Ditch and Striping Changes, was executed December 20, 2016, in the amount of $4,000.00.
Modification No. 0003, Fisherman's Access Parking Area Changes, was executed December 22, 2016, for no additional cost.
Modification No. 0004, Saddle Dike Cobbles, was executed December 22, 2016, in the amount of $13,000.00.
Modification No. 0005, O&M Excavation Stockpile Change, was executed December 22, 2016 for no additional cost.
Modification No. 0006, Definitization of Modification Nos. 0001, 0002, 0004, and 0005, was executed December 27, 2016 in the amount of -$19,248.34.

Field Engineering
Construction Manager: Kyle Hughes, MPCO-324
Construction Representative: Zahid Wazid, MPCO-349

Number of Contractor Employees: 0

Work Performed

No onsite work was performed during this reporting period.

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	December	3.4%
	Time Elapsed	100%
	Work Completed	91.5%
Contractor Earnings	December	$89,990.00
	Previous	$2,338,627.00
	Total to Date	$2,428,617.00
MPCO Noncontract Costs	1st Quarter Expenditures	$49,423.00
	2nd Quarter Expenditures	$0.00
	3rd Quarter Expenditures	$0.00
	4th Quarter Expenditures	$0.00
	FY17 Cumulative Total	$0.00
	FY17 Budgeted	$70,415.00
	Amount Remaining	$20,992.00
	Percent Remaining	29.8%

Area Office Project Management
Project Manager: Robert Gee, NCAO-230

Office Engineering
Contract Administrator: Kent Perkes, MPCO-225

Invoice No. 10, in the amount of $89,880.00, was received this reporting period for work performed during the month of October.

Field Engineering
Construction Manager: Brian Wagner, MPCO-300
Construction Representative: Jason Foust, MPCO-325

Number of Contractor Employees: 5

Work Performed

The Contractor tested all conductors from the top of the Electro-osmotic Pulse (EOP) system zone to the junction boxes, spot welded all conductors in the EOP zone to the junction boxes, traced and labeled all conductors between the EOP zone and the junction boxes.

The Contractor also completed grout in the remaining open sections of horizontal and vertical slots, terminating all conductors at the two junction boxes in the bonnet cover chamber, terminating the electrical conductors at the new master control center at the gate service chamber, installed the master control center and pulled the conductors through conduits, performed housekeeping duties at the working platform and bonnet cover chamber.

The Contractor started up, set parameters, and tested the system to understand where issues were occurring with the display of the human machine interface.

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	December	0.0%
	Time Elapsed	89.0%
	Work Completed	87.7%
Contractor Earnings	December	$0.00
	Previous	$1,618,507.74
	Total to Date	$1,618,507.74
MPCO Noncontract Costs	1st Quarter Expenditures	$40,997.00
	2nd Quarter Expenditures	$0.00
	3rd Quarter Expenditures	$0.00
	4th Quarter Expenditures	$0.00
	FY17 Cumulative Total	$0.00
	FY17 Budgeted	$52,010.00
	Amount Remaining	$11,033.00
	Percent Remaining	21.2%

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: 4

Work Performed
Mr. Lehman of Contractor Services Group - Project Manager coordinated the investigation of screen 3. He removed the severed sheer pin which allows for the alignment and locking between the interior chain cog plate and the exterior clutch plate so that both plates rotate at the same speed and in unison. The sheer pin failed at its designed failure point. Both ends of the pin were recovered prior to alignment of both plates. The water burst system was changed from the lower bar to the upper bar. The water valve was then opened so water pressure could flush the pipe and the spray nozzles for approximately 15 minutes.

The air compressor was allowed to build pressure and force air through the air burst system for three sequences prior to bumping the screen 3 motor. After two times of bumping the screen motor, Mr. Lehman gave the facility personnel direction to close the contact and energize the screen 3 motor. This was done and the screen subsequently traveled approximately one inch, labored to continue traveling, and subsequently snapped the new sheer pin after reaching its designed load failure point. The screen 3 motor was de-energized at this time.

During operation the PSI, readings were higher than expected (approximately twice the expected pressure), which raised concern. The device was shut down and the PSI gauge did not return to zero. It was determined that this gauge was defective and a new "WIKA" liquid filled 0-100 PSI gauge was installed. Once the defective gauge was replaced with a new one, the pressure reading displayed 0 PSI when the device was not operating. The device was not actuated after the new gauge was attached.

Mr. Lehman verified that the operation of the Val-matic dual port throttling device 2 and its PSI gauge was functioning correctly while running and then opened the water line to the water burst system at screen 2. The PSI gauge on device #2 displayed an approximate reduction difference of 23.5. These results met expectations.

Mr. Lehman used a Go-pro camera to check the downstream and upstream side of the fish screen at Intake 3. During the inspection, it was noticed the there was a great amount of sand material building against the face of the screens.

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	December	29.8%
	Time Elapsed	37.1%
	Work Completed	30.8%
Contractor Earnings	December	$3,966,308.20
	Previous	$138,323.23
	Total to Date	$4,104,631.43
MPCO Noncontract Costs	1st Quarter Expenditures	$128,076.00
	2nd Quarter Expenditures	$0.00
	3rd Quarter Expenditures	$0.00
	4th Quarter Expenditures	$0.00
	FY17 Cumulative Total	$0.00
	FY17 Budgeted	$375,575.00
	Amount Remaining	$247,499.00
	Percent Remaining	65.9%

Area Office Project Management
Project Manager: Joe Ascoli, NC-650

Office Engineering
Contract Administrator: Larry Bowman, MPCO-240

Invoice No. 02, in the amount of $3,966,308.20, was received this reporting period for work performed from December 6, 2015 to November 30, 2016.

Field Engineering
Construction Manager: Brian Wagner, MPCO-300
Construction Representative: Stephen Holmes, MPCO-320

Number of Contractor Employees: 13

Work Performed
Subcontractor ECI completed abrasive blasting the interior of the stator frame, newly installed key bar straps and the newly installed stator frame shelf support fillet welds using copper slag media. After the blasting was completed, the crew used a vacuum truck and cleaned up the site. Once cleaned, the frame was coated with a two part epoxy.

Prior to stacking the stator core, all 72 key bars were temporarily installed, each with steel wedges between the back of the bar and the bar strap welded to the stator frame. Once the core is finalized the wedges will be removed for a "floating" core.

While the coating operation was being conducted, the crew had to weld the bar straps to the back of the compression fingers on all 12 plates since it was not done in the factory and was a last minute design change after the plates were on site.

When the coating was completed the contractor installed the 12 lower stator core compression plates and set their elevations using a laser. After installation and making finite moves it was noticed by engineering that the plates have a bow in the middle of the 5 feet x 2 inches stainless steel plates from 0.100" to 0.080". The high end tolerance is 0.040".

The plates were sent off site and pressure applied to them to straighten them within the tolerance range.

All plates were reinstalled and elevations shot using the laser, with final data approved by engineering.

When the plates were set the contractor had to modify the middle 'heel' blocks because they did not fit with the bow of the plates removed. Once the heel blocks were corrected and tack welded in place, the crew stacked the core with 0.020" laminations, which required 12 laminations to go around the circumference of the bore. Each of the core packets required between 91 and 92 laminations.

The core was pressed at the top of packets 13 and 24 of 26, which includes the upper and lower step packets. Once completed, the remaining two packets were stacked and the upper compression plates set. Next month the final torqueing of the plate through bolts will be accomplished.

During stacking of the core, it appeared there was an issue with the lamination insulating coating. The contractor stopped stacking while five lamination samples were overnighted to the manufacturer. The manufacturer performed visual and electrical tests on the samples, which were all within the standards stated.

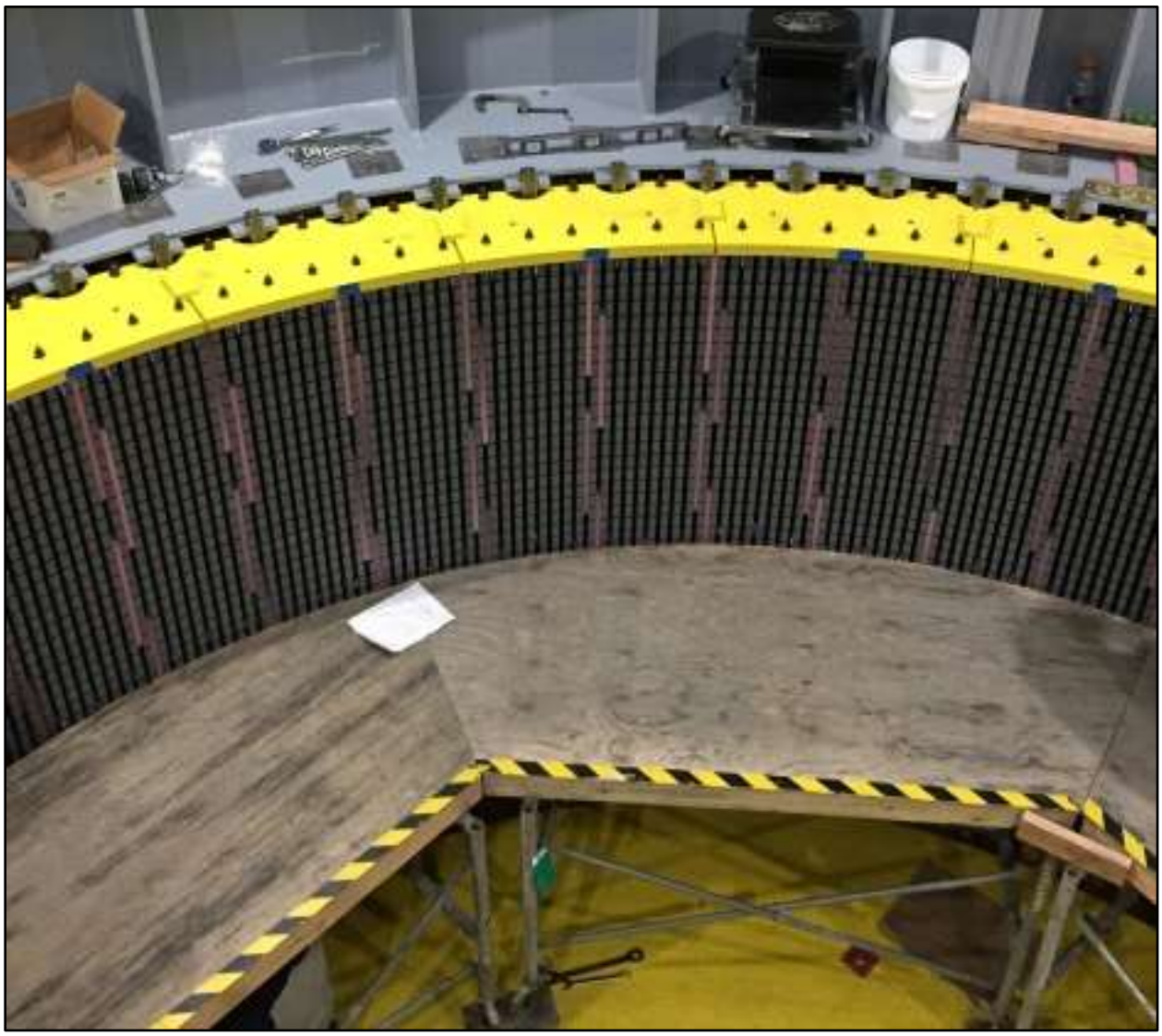
Reclamation's inspector also sent two laminations to the Denver Technical Service Center for testing, but had not received any results back due to the holidays.

During the core stacking process, five winders were certified to braze by an outside Voith subcontractor.

Trinity Powerplant Generator Rewinds
The Contractor using a laser to verify placement of the compression plates.

Trinity Powerplant Generator Rewinds
The Start of Stacking of the stator core.

Trinity Powerplant Generator Rewinds
The top of the stator core after being stacked.



Trinity Powerplant Generator Rewinds
The view of the stator core plates being compressed

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	December	0.0%
	Time Elapsed	66.6%
	Work Completed	9.2%
Contractor Earnings	December	$0.00
	Previous	$0.00
	Total to Date	$40,579.00
MPCO Noncontract Costs	1st Quarter Expenditures	$15,614.00
	2nd Quarter Expenditures	$0.00
	3rd Quarter Expenditures	$0.00
	4th Quarter Expenditures	$0.00
	FY17 Cumulative Total	$0.00
	FY17 Budgeted	$92,800.00
	Amount Remaining	$77,186.00
	Percent Remaining	83.2%

MPCO noncontract costs include all Red Bluff contracts noncontract costs

Area Office Project Management
Project Manager: John Menniti, MPCO-110

Office Engineering
Contract Administrator: Amber Pierce, MPCO-205

Field Engineering
Construction Manager: Brian Wagner, MPCO-300
Construction Representative: David B. Derk, MPCO-334.

Number of Contractor Employees: 0

Work Performed
The Contractor's work this reporting period consisted of offsite fabrication of the new flap gates. The lockout and tagout procedures were reviewed onsite in preparation for the upcoming dewatering activities. State and Federal Biologists performed a fish survey to determine the proper measures to be taken in the event that dewatering activities would impact fish as the water was depleted. One fish was identified and was confirmed as a non-endangered species. Continued support is available if additional fish are identified during the dewatering activities and until the area is completely prepped for the gate repairs.

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	December	0.0%
	Time Elapsed	20.7%
	Work Completed	0.0%
Contractor Earnings	December	$0.00
	Previous	$0.00
	Total to Date	$0.00
MPCO Noncontract Costs	1st Quarter Expenditures	$2,303.00
	2nd Quarter Expenditures	$0.00
	3rd Quarter Expenditures	$0.00
	4th Quarter Expenditures	$0.00
	FY17 Cumulative Total	$0.00
	FY17 Budgeted	$110,830.00
	Amount Remaining	$108,527.00
	Percent Remaining	97.9%

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

Office Engineering
Contract Manager: Amber Pierce, MPCO-205

Field Engineering
Construction Manager: Brian Wagner, MPCO-300
Construction Representative: David B. Derk, MPCO-334

Work performed
No onsite work was performed during this period.

Contract No. R16PC00127
Trinity Dam Outlet Works Valve House Roofing Replacement, Trinity River Division, Central Valley Project, California
Keystone Specialty Construction LLC, Ivyland, PA

Work Performed	December	0.0%
	Time Elapsed	65%
	Work Completed	0.0%
Contractor Earnings	December	$0.00
	Previous	$0.00
	Total to Date	$0.00
MPCO Noncontract Costs	1st Quarter Expenditures	$6,400.00
	2nd Quarter Expenditures	$0.00
	3rd Quarter Expenditures	$0.00
	4th Quarter Expenditures	$0.00
	FY17 Cumulative Total	$0.00
	FY17 Budgeted	$12,740.00
	Amount Remaining	$6,340.00
	Percent Remaining	49.8%

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: David B. Derk, MPCO-334

Number of Contractor Employees: 0

Work Activities:
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	December	0.5%
	Time Elapsed	80.7%
	Work Completed	99.4%
Contractor Earnings	December	$0.00
	Previous	$4,832,242.52
	Total to Date	$4,832,242.52
MPCO Noncontract Costs	1st Quarter Expenditures	$0.00
	2nd Quarter Expenditures	$0.00
	3rd Quarter Expenditures	$0.00
	4th Quarter Expenditures	$0.00
	FY17 Cumulative Total	$0.00
	FY17 Budgeted	$0.00
	Amount Remaining	$0.00
	Percent Remaining	100%

Noncontract costs included in Red Bluff Flap Gates Project on Page 37.

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., Belleville, IL

Work Performed	December	0.0%
	Time Elapsed	37.6%
	Work Completed	0.0%
Contractor Earnings	December	$0.00
	Previous	$0.00
	Total to Date	$0.00
MPCO Noncontract Costs	1st Quarter Expenditures	$9,273.00
	2nd Quarter Expenditures	$0.00
	3rd Quarter Expenditures	$0.00
	4th Quarter Expenditures	$0.00
	FY17 Cumulative Total	$0.00
	FY17 Budgeted	$151,815.00
	Amount Remaining	$142,542.00
	Percent Remaining	93.9%

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: Fernando 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, LLC, St. Louis, MO

Work Performed	December	0.0%
	Time Elapsed	100%
	Work Completed	0.0%
Contractor Earnings	December	$0.00
	Previous	$0.00
	Total to Date	$0.00
MPCO Noncontract Costs	1st Quarter Expenditures	$4,342.00
	2nd Quarter Expenditures	$0.00
	3rd Quarter Expenditures	$0.00
	4th Quarter Expenditures	$0.00
	FY17 Cumulative Total	$0.00
	FY17 Budgeted	$24,610.00
	Amount Remaining	$20,268.00
	Percent Remaining	82.4%

Area Office Project Management
Project Manager: Jason Kirby, SCC-452

Office Engineering
Contract Manager: Kent Perkes, MPCO-225

Field Engineering
Construction Manager: Brian Wagner, MPCO-300

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. 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., Belleville, IL

Work Performed	December	0.0%
	Time Elapsed	33.0%
	Work Completed	0.0%
Contractor Earnings	December	$0.00
	Previous	$0.00
	Total to Date	$0.00
MPCO Noncontract Costs	1st Quarter Expenditures	$31,452.00
	2nd Quarter Expenditures	$0.00
	3rd Quarter Expenditures	$0.00
	4th Quarter Expenditures	$0.00
	FY17 Cumulative Total	$0.00
	FY17 Budgeted	$183,730.00
	Amount Remaining	$152,278.00
	Percent Remaining	82.9%

Area Office Project Management
Project Manager: Adam Nickels, MP-170

Office Engineering
Contract Manager: Amber Pierce, MPCO-205

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.

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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	December	1.6%
	Time Elapsed	22.1%
	Work Completed	2.5%
Contractor Earnings	December	$85,000.00
	Previous	$50,698.00
	Total to Date	$135,698.00
MPCO Noncontract Costs	1st Quarter Expenditures	$48,230.00
	2nd Quarter Expenditures	$0.00
	3rd Quarter Expenditures	$0.00
	4th Quarter Expenditures	$0.00
	FY17 Cumulative Total	$0.00
	FY17 Budgeted	$517,570.00
	Amount Remaining	$469,340.00
	Percent Remaining	90.7%

Area Office Project Management
Project Manager: Mary Marshall, MP-203

Office Engineering
Contract Administrator: Casandra Arthur, MPCO-111

Invoice No. 02, in the amount of $85,000.00, was received this reporting period for the Contract Document Management System and FERC required submittals for this contract.

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

R15PC00102 No. 20-C0839 Keswick Fish Trap Brail Replacement, Keswick Dam, California:
There was no Office Engineering Administrative activity this period. The 1-year warranty period began December 22, 2015 and will end December 21, 2016.

R13PC20508 20-C0788 San Luis Demonstration Treatment Plant – San Luis Unit, West San Joaquin Division, Central Valley Project, California:
There was no Office Engineering Administrative activity this period. 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
There was no Office Engineering Administrative activity this period. 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. The1-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
There was no Office Engineering Administrative activity this period. The1-year warranty period began August 27, 2016 and will end August 26, 2017.

R16PC00061 No. 20-C0849 Eastside Bypass Low Flow Conveyance - San Joaquin River Restoration Program - Friant Division, Central Valley Project, California
There was no Office Engineering Administrative activity this period. The1-year warranty period began August 15, 2016 and will end August 14, 2017.

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