

FY17 Columbia-Snake River Navigation Lock Extended Outage

Progress Update to Navigation Stakeholders – as of June 1, 2016

Thank you for your continued support and interest in the 2016-2017 Columbia-Snake River System extended navigation lock outage. For those who may be new to this topic, here's a bit of background:

The U.S. Army Corps of Engineers will conduct an extended navigation lock maintenance outage Dec. 12, 2016, through March 20, 2017. The 14-week-long closure will affect all Corps navigation locks on the Columbia and Snake rivers, with critical, major repairs, routine maintenance and improvements scheduled to occur.

Although the closure will not occur until December 2016, we want to provide you the earliest-possible information so you can plan around the outage. The project information below was previously provided to those who attended the June 1, 2016, Joint-District Navigation Meeting at the Sage Center in Boardman, Oregon. For those who were unable to attend the meeting, here's the latest progress update:

All locks – Overall, progress continues on-schedule for the 14-week extended navigation lock outage in winter 2016/2017. To maximize this maintenance opportunity at all of our locks, additional work items may be added within the schedule, dependent upon available resources.

Bonneville Lock and Dam – The navigation lock controls will be updated, which includes removing existing navigation lock systems and control interfaces, and installing new redundant systems with important safety elements. The navigation lock will be dewatered during the extended lock outage, but only to accomplish other repairs. The modernized equipment will improve automated functions and make the controls easier to use for navigation lock operators. Materials needed to complete the upgrade were purchased in FY15. Our in-house crews have begun installing the new hardware, parallel to the existing controls systems, to minimize the work needed to be completed during the extended outage. The installation is anticipated to be complete and the lock back in service on Feb 9, 2017.

The Dalles Lock and Dam – The construction contract to replace The Dalles Dam's upstream gate and replace the downstream gate guide was awarded February 1, 2016. See the news release at <http://www.nwp.usace.army.mil/Media/NewsReleases/tabid/1888/Article/651029/corps-awards-the-dalles-navigation-lock-contract.aspx>. The controls upgrade contract options were awarded April 1, 2016. Funding is available, and we are working to award the remaining downstream gate cathodic protection and adjustments contract options. The contractor performed a detailed site survey of the dewatered navigation lock during the March 2016 lock outage, collecting data that will be used to ensure accurate fabrication of parts based on existing conditions. Both the construction contractor and the power distribution supply contractor are working on submittals to allow the start of fabrication. Overall, everything is on-schedule for the extended lock outage.

John Day/Willow Creek – Portland District has no extensive repairs planned for the John Day navigation lock. Maintenance crews will use the time to clean and check equipment, paint, clean staff gauges, change gear box fluids, repair upstream and downstream guidewalls, and conduct preventive-maintenance actions and dam-safety inspections. The John Day Dam will not be dewatered lower than the chamber floor.

McNary Lock and Dam – Walla Walla District plans to complete downstream miter gate repairs that were delayed in order to return the lock to service on schedule during the 2015 annual maintenance outage. The project is currently at the 90-percent design phase. Contract award is anticipated to occur in October 2016.

Ice Harbor Lock and Dam – New operating machinery for the downstream gate at Ice Harbor is a very high priority for the Walla Walla District. Critical components of the machinery and control systems require replacement during the extended closure. On-site construction is slated to begin in September 2016 during the pre-outage work window. The construction contract for the Ice Harbor downstream gate machinery replacement was awarded on January 8, 2016, to Knight Construction & Supply, Inc. for approximately \$4.69 million -- see the news release at

<http://www.nww.usace.army.mil/Media/NewsReleases/tabid/2614/Article/648083/16-002-corps-awards-2-navigation-lock-repair-contracts-work-to-occur-during-sys.aspx>.

Lower Monumental Lock and Dam – A new downstream lock gate was installed at Lower Monumental during the FY11 extended maintenance closure. The second phase of this installation is the replacement of the machinery and control systems that operate the gate -- the existing equipment has reached the end of its service life. On-site construction is targeted to begin in September 2016 during the pre-outage work window. Lower Monumental's downstream gate machinery replacement contract was awarded Jan. 26 to Knight Construction & Supply, Inc. for approximately \$3.37 million -- see the news release at

<http://www.nww.usace.army.mil/Media/NewsReleases/tabid/2614/Article/648083/16-002-corps-awards-2-navigation-lock-repair-contracts-work-to-occur-during-sys.aspx>.

Little Goose Lock and Dam – Following an emergency outage in 2014 to repair a failing gudgeon arm, additional work is required during the FY17 outage to complete replacement of the aging components of the gate. This project will involve replacement of the remaining original gudgeon arm and linkage, and replacement of the pintle assembly for both gate leafs. Structural repairs will include resurfacing the quoin and miter, and crack repairs to structural members. Repairs are critical to ensure reliable gate operation. The construction contract for the Little Goose downstream gate structural repairs was awarded on May 9, 2016, to Dix Corporation for approximately \$2.18 million (options exercised) -- see the news release at

<http://www.nww.usace.army.mil/Media/NewsReleases/tabid/2614/Article/777158/16-029-corps-awards-navigation-lock-repair-contract-work-to-occur-during-system.aspx>.

Lower Granite Lock and Dam – Although Lower Granite does not have large-contract repairs planned, Corps maintenance personnel will conduct annual routine lock maintenance and repairs during the scheduled outage. Non-routine work includes replacing the upstream gate wire ropes.

This extended lock outage plan is a coordinated effort between the Corps' Portland and Walla Walla districts. Our goal is to prioritize and accomplish urgently needed lock repairs along the Columbia and Snake rivers while minimizing the impact lock closures have on river users.

We will continue to keep stakeholders informed with regular updates. Teleconference updates begin September 8 at 1 p.m. -- we hope you can join us for this call! Please, reference the attached **FY17LockOutage Stakeholder Teleconference Schedule** for call-in instructions.

For those who cannot attend the teleconference meeting, a written stakeholder update will also be sent the following day via email and posted to the FY17 Extended NavLock Outage webpage

<http://www.nww.usace.army.mil/Missions/Navigation/FY17LockOutage.aspx>.

For more information about the extended outage or to sign up for future email updates, visit our website or email FY17LockOutage@usace.army.mil. You are also welcome to call or email our Public Affairs Offices at the numbers and addresses below.

Portland District Public Affairs Office
(503) 808-4510
cenwp-pa@usace.army.mil

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(509) 527-7020
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Sincerely,

Sheryl Carrubba
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Northwestern Division, U.S. Army Corps of Engineers

FY17LockOutage

Stakeholder Teleconference Schedule

All dates are Thursdays at 1 p.m. (Pacific)

Monthly – Sept. 8, Oct. 6, Nov. 3

Weekly – Dec. 1, 8, 15, 22, 29

Jan. 5, 12, 19, 26

Feb. 2, 9, 16, 23

Mar. 2, 9, 16

Teleconference Call-in Instructions

Dial: **877-848-7030** Toll-Free

When prompted, enter:

Access Code **4909700#**

Security Code **7020#**

★Written update information presented during teleconference will be distributed via eMail and Web-posted the following day



FY17LockOutage@usace.army.mil



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