

IPR Follow Up Question – Federal Hydro Workshop

What impact will COVID have on the US industrial sector that can design, build and install large turbines?

The Corps is working with CEATI to set up a virtual meeting (or meetings) with three turbine contractors to discuss this exact question. No format or date for the meetings have been established yet.

These contractors have continued working projects across the nation. In their manufacturing plants, there is a lot of open space to allow implementation of COVID safety protocols. They are still working, but at a slightly slower pace as performing safety actions takes up some of the working time.

The contract activity on FCRPS project sites has predominantly been determined by the Districts, rather than by the contractors, although both parties are really well aligned in their tactical approach to keeping employees safe. Initially, most contracts in Northwestern Division were shut down by the District construction branches, which was the right move. As time has gone by, both the contractors and the Districts have learned more about how to work safely, and construction sites are getting back to work, but with strictly enforced COVID safety guidelines in place.

Work on very large jobs in Canada has been slowed up by COVID safety protocols, but not stopped. The main issue is the work is moving at a slower pace as employees spend time doing health checks, sanitizing work areas, working with PPE on tasks that would not normally require it, negotiating two-man tasks while 6 feet apart, etc.

In terms of contract execution for the Corps, the COVID effects on our contractors are very similar to us: More precaution and protection for workers, more management work, a noticeable slow-down in the on-site pace of construction, and a deep sense of worry about the safety and welfare of our people that drives a very cautious approach to the implementation of COVID safety protocols.

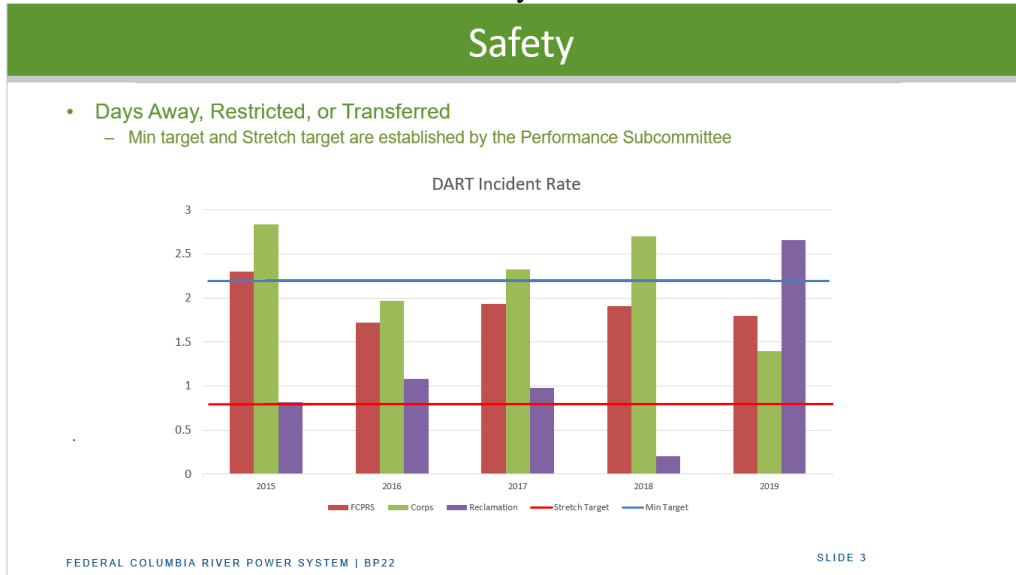
Referring to slide 26 of the Fed Hydro Workshop package, is there an estimate available on the cost of the Non-routine Expense Projects for FY 21/22 NREX New Starts?

We anticipate the following non-routine extraordinary expense projects will start scoping and design in FY21 and FY22. These new starts are contingent upon available funding and higher priority work being identified, effectively pushing the start of these projects into the future. The BPA portion of costs associated with each of these projects range from \$250,000 to \$5,000,000. The estimates for the following projects are preliminary ranges per Federal Acquisition Regulations, and are subject to change:

- Little Goose DSAC Spillway 1 Failed Waterstop
- Lower Granite Transformer Leak Repairs
- Lower Granite Thrust Bearings
- Ice Harbor Spillway Pressurized Leaks
- Libby Spillway Repairs

Slide 3 of the Fed Hydro Workshop package, on this slide can you explain the axis a little bit and which red line is correct? An updated safety slide is below:

The x- axis shows 2015 – 2019 and the y-axis is the Dart Incident Rates.



Slide 9 of the Fed Hydro Workshop package, for the pie chart could you post a follow-up on the % of those?

Resource	% of Total	
Columbia Gen Station	17%	
BPA Energy Efficiency	8%	
Short Term Purchases	6%	
Tier 2 Rates - Purchases	1%	
Renewables	1%	
Other LT Gen Contracts	1%	
Not Allocable	0%	
Corps	20%	
Reclamation	10%	
Fish and Wildlife	12%	
CRFM	2%	
Lower Snake River Comp Plan	1%	
Colville Settlement	1%	
Residential Exchange	8%	
Transmission Acquisition	8%	
BPA Non-Gen Ops/Internal Support	5%	
Other	1%	
Total Costs	100%	
Average of Annual Power Services costs from 2017-2019		
Corps and Reclamation Costs include Expense and Capital Related Costs		