

John Day Trashracks

This project seeks to rehabilitate and replace John Day trashracks.

The main project objectives are to improve trashracks condition and reduce lost generation, environmental, and safety risks.

The trashracks were constructed in the late 1960's and early 1970's. Recently there have been a number of failures of the existing trashracks. When the trashracks are broken or damaged a generating unit is forced out of service until the trashrack is repaired.

Sometimes a unit is able to be run but trash and debris can enter the units and potentially cause damage. There are no spare trashracks so units are taken out of service and divers perform weld repairs underwater. This was done in 2011 for Main Unit 1. The damage occurred in February 2011 and divers completed the repairs in October 2011.

If a trashrack is missing or damaged (like those for Main Unit 2), debris larger than 6" diameter can enter the turbine which can then damage STS screens, wicket gates, and other turbine components. Damaged trashracks can also injure juvenile fish passing through the turbine.