

Libby Unit 6

The purpose of this project is to maintain generation and water flows during routine and unplanned outages, and provide flexibility to allow more efficient operations utilizing all six units. Below are the main objectives after installation of the Libby Unit 6 project and the risks they would address:

1. Capital Financial Benefit (Energy Benefit which is plant efficiency energy benefits, reliability energy benefits, and spill capture energy benefits):
 - Offset lost generation during required maintenance and unit overhauls for units 1-5.
 - Increase in overall plant efficiency. These efficiencies may occur where operating six units instead of five units would allow Libby Dam to operate units more efficiently, operate outside rough zones, capture and generate potential spill, and potential generation increases at certain times of the year with low head conditions and existing units are not able to generate to name plate capacity.
 - Incremental power generation due to operation efficiencies, based on historical flows. Note: With this current investment, there is no intent to change reservoir control and start using Libby Dam as a peaking plant.
2. Compliance Risk:
 - Mitigate impacts to endangered fish species in the river by maintaining required water flow.
 - Be in compliance with the total dissolved gas water quality standard by passing water through generator and not spilling.
3. Public Perception Risk:
 - Meet the community need and water level requirements for recreation and sport fishing.