

John Day HVAC Upgrades

This project seeks to upgrade and replace the HVAC system at John Day Dam.

The proposed HVAC upgrades and improvements will:

- Address the life safety risk of uncontrolled smoke movement throughout the powerhouse
- Bring the HVAC system into compliance with applicable requirements and codes
- Meet powerhouse heat loads and ventilation requirements and gain Productive Workplace Benefits
- Replace the failed heat pump with two heat pumps for sufficient capacity and redundancy
- Replace associated systems and appurtenances.

The John Day Powerhouse provides significant benefits including fish passage, power production, navigation, and recreation. Support for these comes from the people who work at John Day. Operators, administrative staff, engineers and tradesmen must all work inside the powerhouse. The extremes of temperature seen in the area require a well-functioning HVAC system. The HVAC system not only keeps the equipment at the proper operating temperature, but it also keeps it free of dust, dirt and airborne debris that can accumulate and contaminate the systems. A robust and easy to maintain system is vital to the operation of the facility. New technology not only allows for robust systems, but can also be more energy efficient allowing for more power to be sent down the lines instead of wasted in the powerhouse.