

Improving Efficiency of the Temperature Control Device for Folsom Dam

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Folsom Dam



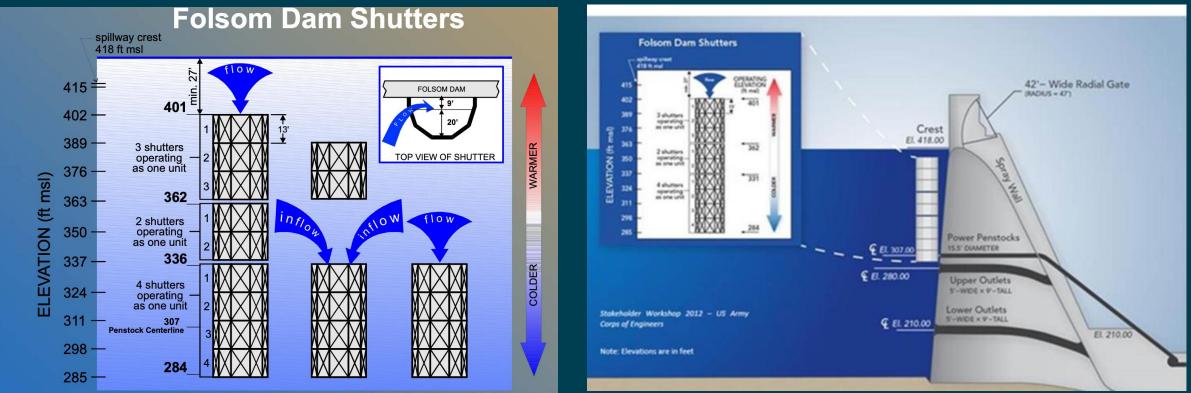


• Storage capacity of 976,500 ac-ft

Situated on the American River
Constructed in 1951-55



Temperature Control Device (TCD)



Conserve the cold water pool until late summer or fall.
Shutter panels are operated as units of 3-2-5



Temperature Control Device (TCD)





Limitations:

- Shutter leakage
- Moving shutters with reservoir water level
- Debris accumulation



Improvements Being Considered

- Reduce leakage: Installing gasket to close the gap within panels
- Improved operability : Individually operating shutters Reducing the head requirements Putting an exterior trash-rack



Contact

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