



Jamestown, CA

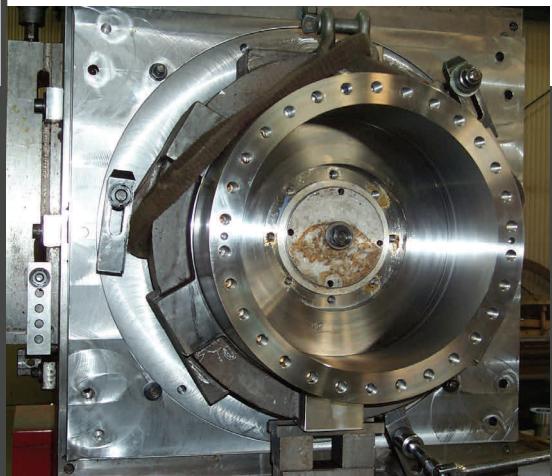
Located on the Stanislaus River in central California, the Tulloch Dam operates two vertical Francis units for a combined output of 18 MW. Commissioned in 2012, CHC provided an additional 1650 mm conventional Kaplan turbine-generator set which was added on the low level outlet of the dam, and which produces over 6.7 MW of additional power using the water that spills over the dam. The complete equipment package supplied by CHC for the project included draft tube elbow and extension, double-regulated turbine heart with main turbine shaft, scroll case with turbine shut-off valve, 450 RPM vertical synchronous generator, turbine governor with hydraulic power unit, switchgear, controls and protection.

Difficult access to the project site as well as the specific location of the new power plant and sheer size of the components provided by CHC made for challenging logistics for the project engineers and contractors. The draft tube and scroll case were delivered to the site in pieces and re-assembled onsite prior to installation and embedment.

The Tulloch 3rd unit addition project boasts having the highest head conventional Kaplan turbine currently in operation in North America.

PROJECT FACTS

- Output 6.8 MW
- 1650 mm Conventional Kaplan with Scroll Case
- Net Head: 43.95 m (144 ft)
- Commissioned 2012





TULLOCH
3RD UNIT ADDITION
TRI-DAM PROJECT

