

CONSTRUCTION AND MAINTENANCE

TACOMA PUBLIC UTILITIES
MAYFIELD DAM
LEWIS COUNTY, WA

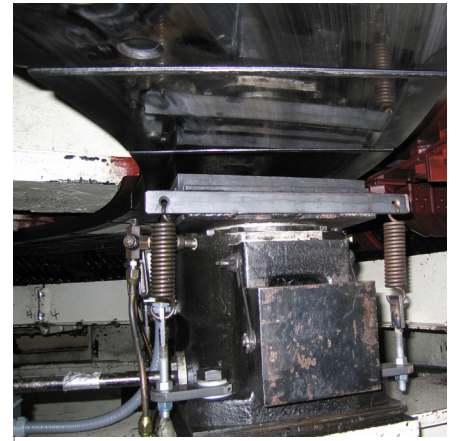
DESCRIPTION

Repair and maintenance on several projects spanning the Mayfield dam.

SERVICES PROVIDED

NAES Power Contractors supplied planning, supervision, labor, equipment and materials for spillway and gate projects at the Tacoma Power Mayfield Dam. Built in 1963, the dam is 250 feet high, 850 feet long and impounds Mayfield Lake, which is fed by the Cowlitz and Tilton rivers. The facility contains four vertical Francis turbines which produce 162 MW of power. All work was done under the maintenance agreement with Tacoma Public Utilities (TPU).

- Install platforms, stairs and tagging for access to spillway gate trunnions for pin removal
- Install grease lube system in bushing and structural reinforcing of gate arms
- Structural reinforcement to the gate arm, per FERC directive to all hydro projects after frictional load tests revealed loads were above normal



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