CASE STUDY

Tacoma Power Cushman Dam

HOODSPORT, WASHINGTON

PNP
PACIFIC NETTING PRODUCTS
INCORPORATED

FULL EXCLUSION, FULL DEPTH FISH GUIDANCE BARRIER NETS FOR FLOATING SURFACE COLLECTOR

As part of Federal Energy Regulatory Commission (FERC) relicensing requirements, Tacoma Power installed a floating surface collector at their Cushman No. 1 Dam. As a result of our success at Baker Lake and elsewhere, Pacific Netting Products was brought in early in the process to design a barrier net to guide juvenile migrating downstream fish to a floating surface collector. Once collected, fish are transported and released into the North Fork Skokomish River at the base of the Cushman No. 2 Dam. We worked with owners, engineers, and contractors to provide a system that was delivered on time and on budget.

KEY FEATURES

- Nearly 500,000 sq ft of full exclusion guide net, surface to lake bottom
- Satisfies regulatory requirements
- Built with 1/8" x 1/8" and 1/4" x 1/4" Dyneema netting
- Submersible boat gate allows for easy access for dam maintenance
- PNP wave attenuator
- Protects the net transition structure (NTS) and floating surface collector (FSC)
- Improves fish collection and survival via NTS and FSC
- Addresses extreme environmental conditions

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