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## **CHETZEMOKA Enters Service**

*SALISH & KENNEWICK to follow*

The newest vessel in the Washington State Ferries (WSF) fleet, the EBDG-designed ferry CHETZEMOKA, entered service on November 14, 2010. The CHETZEMOKA is the first 64-car, 750-passenger ferry, the first of the Kwa-di Tabil Class.

Washington State Ferries selected Elliott Bay Design Group to design the replacement vessels for their aging steel-electric class boats on the Keystone-Port Townsend run. Because it was a proven design suited to open water, high winds and wave conditions, WSF adopted EBDG's existing ISLAND HOME ferry design and made modifications to fit WSF's system.



Design changes include modifications to the hull to fit WSF terminals and slightly increased length and depth for an improved life-cycle weight margin. Internal modifications include a near doubling of fuel capacity, revised sewage system, removal of bow thrusters and lift deck, and redesign of the superstructure. One of the mezzanine passenger areas was converted to a bike holding area. The superstructure is a combination of steel and aluminum for weight savings. The propulsion system consists of two main engines, each driving a fixed-pitch propeller at either end. The steering system features a high-lift rudder for added maneuverability. The new vessel is 274 feet long with a 65-foot beam, and has a service speed of about 14 knots.

The CHETZEMOKA replaces the EBDG-designed STEILACOOM II, which was on loan from Pierce County to service the Keystone-Port Townsend run since the retirement of the steel-electric boats. Two additional vessels of the Kwa-di Tabil Class are to be added to the WSF fleet. The first of these the SALISH is anticipated to join the WSF Fleet in the summer of 2011. Along with designing the new 64-Car Class vessels, EBDG was also part of the design team that completed the Owner's Design of the WSF 144-car ferry which the agency intends to construct.

#### ABOUT ELLIOTT BAY DESIGN GROUP

With offices in Seattle and New Orleans, Elliott Bay Design Group provides unparalleled naval architecture, marine engineering and production support services on behalf of owners, operators, and shipyards across the country. Elliott Bay Design Group LLC is a wholly-owned subsidiary of American Commercial Lines Inc.

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