

High Dam / Oswego, NY

Originally built in 1928, the City of Oswego, N.Y., in 1996 completed the \$12.7 million redevelopment of its High Dam Hydroelectric Project at Lock & Dam No. 6 on the Oswego River. Following redevelopment the plant is now capable of generating 9.2 MW.

Part of the civil work consisted of

debris loads. 1" spacing would only exaggerate these problems. The City needed a solution.

Hydrothane's streamlined blade design cut headloss in half while the non-metallic construction virtually eliminated frazil ice problems. The smooth hard surface with added releasing agents further discouraged attachment by zebra mussels.



enlarging the intake facility, building a downstream fish passage facility, installing new Hydrothane trashracks (25' high x 212' long), putting in, and taking out, a cofferdam - all in 120 days.

Rivers Engineering (New Hampshire) completed the civil design. Due to state Fish & Wildlife requirements, spacing between vertical blades is mandated at 1" clear. The City already faced problems with frazil ice, zebra mussels and high

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