Tygart Hydroelectric Project

This concrete dam was constructed in 1938 by the USACE (Pittsburgh District) for flood control, navigation, water supply and recreation on the Tygart River, 2.25 miles south of Grafton, WV. AHS has acquired Tygart LLC the holder of a Preliminary Permit and has undertaken the licensing process.

Location: Grafton, WV
River: Tygart
FERC# 12613
Project Capacity: 30.0MW
Capacity Factor: 48%
Potential Energy Generation: 96,000MWH
PJM Node: Grafton Pruntytown, WV
Total Project cost: $45 to $48 Million

This project is attractive because when the dam was constructed designers included two 15' diameter conduits in the right abutment 'for future hydroelectric development'. The current plan is to install an upstream trashrack and intake gate assembly, remove one of the conduit plugs and connect to a new power house 200' downstream, discharging back into the river immediately below the dam stilling weir.

Status:

- Tygart LLC has filed the Final License Application on April 29th, 2013.
- Design drawings are in the conceptual stage and preliminary cost estimates prepared based on budgetary quotes for key equipment items.

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