

Cannelton Hydro Project

FERC Project Number 10228

(viewed from above looking into Kentucky)



Status:

The Cannelton Hydro Project started construction in April of 2009 with the construction of the cofferdam. Kiewit-Traylor Brothers construction designed and built the cofferdam which was completed in June of 2010. The powerhouse was bid and Walsh Construction was selected as the preferred contractor in June of 2010.

Since that time Walsh has been mobilizing to the site including but not limited to setting up offices, permitting and erecting its batch plant for concrete operations, and submitting many of its required preconstruction plans. Walsh is scheduled to complete the entire project on May 28, 2014.

Manufacturing of the turbines and generators, gate equipment, cranes, and transformers is currently ahead of schedule and deliveries of equipment are being arranged at the contractors' convenience. Draft tube liners have been delivered to the site and the three (3) main power transformers have been delivered. Additional gate equipment and turbine equipment is in route.

Vectren is currently working on the transmission interconnection within the powerhouse site and is scheduled to complete in April of 2010.

Budget and Schedule:

The project currently is on budget and proceeding well. AMP is looking at various means of reducing budgeted costs and ways to improve the completion and on line dates. There are no significant contractual disputes with the general contractor, Walsh Construction.

Smithland Hydro Project

FERC Project Number 6641

(viewed looking into Illinois from the Kentucky shore)



Status:

The Smithland Hydro Project started construction in April of 2010 with the construction of the cofferdam. CJ Mahan construction is designing and building the cofferdam which is scheduled for completion in September of 2011. CJ Mahan has also be contracted to do the phase 1 ground improvement for the plant foundation and cutoff at the site and parts of the phase 2 ground improvement.

The powerhouse is expected to either be sole source negotiated or bid depending on economics. It is anticipated that some savings of cost associated with mobilization may be achieved by a sole source negotiation.

Manufacturing of the turbines and generators, gate equipment, cranes, and transformers is currently ahead of schedule and deliveries of equipment will be arranged when the powerhouse contract is awarded. Since the equipment manufacturing is ahead of schedule, some equipment may be stored by the manufacturer.

Since Big Rivers Electrical Corporation has joined the Midwest ISO, the transmission interconnection studies are being redone to allow for a shorter transmission line than originally proposed. This shorter line (2 miles) would be in place of the longer 12 mile line with an Ohio River crossing. The plant will connect to the same physical line, but it will be at a point that is much closer to the site. AMP is working with MISO to do the transmission studies to allow for the interconnection.

On April 24, due to excessive rains in the Midwest, the Ohio and Mississippi River flooding created the likelihood that the Smithland cofferdam would be overtopped by up to 5 feet. As a result, the U.S. Army Corps of Engineers directed AMP to flood the interior of the cofferdam. The Ohio and Mississippi Rivers have begun to recede, but the effect of the flooding has created up to 55 days of delay. AMP is working with its Builder's Risk insurer and CJ Mahan construction to see if the work can be accelerated to recover the lost time. AMP cannot at this time anticipate the total cost of the flood, but it is anticipated to be less than \$2 Million, some of which may be covered by the Builder's Risk Policy.

Budget and Schedule:

The project currently is on budget and proceeding well. AMP is looking at various means of reducing budgeted costs and ways to improve the completion and on line dates. There are no current contractual disputes with the cofferdam contractor, CJ Mahan construction. The overall schedule for final completion of the project is scheduled for the fall of 2014.

CJ Mahan was awarded Change Order 7, a \$9.3 Million change order and a 132 day time extension to perform the first phase of the Smithland ground improvement. Six previous change orders have been issued for a total of \$126,132.28 and extending the contract times by 20 days. Additional extensions of time are anticipated as a result of the flooding and other adverse weather delays for April.

Willow Island Hydro Project

FERC Project 6902

(Viewed looking downstream with the plant site on the left in West Virginia and Ohio on the right.)



The Willow Island Hydro Project is slated to start construction in June of 2011. The design / constructor of the cofferdam, Ruhlin Construction Company, is under contract to do this work. Ruhlin will be given the full notice to proceed in the first week of June 2011. Ruhlin through its design subcontractor (Mueser Rutledge) is designing the cofferdam and acquiring Corps of Engineers' approval of its design. The first phase has been approved.

The powerhouse contract will follow after the cofferdam is completed and is expected to either be sole source negotiated or bid depending on the best economics. It is anticipated that some savings of cost associated with mobilization may be achieved by a sole source negotiation.

Manufacturing of the turbines and generators, gate equipment, cranes, and transformers is currently ahead of schedule and deliveries of equipment will be arranged when the powerhouse contract is awarded. Since the equipment manufacturing is ahead of schedule, some equipment may be stored by the manufacturer.

The transmission interconnection is less than 2 miles away and AMP is awaiting studies from the PJM independent system operator (ISO). Since the Willow Island capacity is less than 50 MW, no significant system impacts are expected.

Budget and Schedule:

The project currently is on budget and proceeding well. AMP is looking at various means of reducing budgeted costs and ways to improve the completion and on line dates. There are no current contractual disputes with the cofferdam contractor, Ruhlin construction. The overall schedule for final completion of the project is scheduled for the spring of 2015.

No change orders have been issued to Ruhlin Construction.

Meldahl Hydro Project

FERC Project Number 12667

(viewed looking into Kentucky)



The Meldahl Hydro Project started construction in April of 2010. The contractor of the cofferdam, Angelo Iafrate Construction, is under contract to do this work. The work currently is approximately 29 days behind schedule due to construction delays but this delay is anticipated to be recovered during the excavation. This cofferdam contract was well under the next higher bidder and significant under the engineer's estimate.

The powerhouse work is currently under negotiations with the bidders. There were 5 construction companies that bid the work. Bids were competitive.

Manufacturing of the turbines and generators, gate equipment, cranes, and transformers is currently ahead of schedule and deliveries of equipment will be arranged when the powerhouse contract is awarded. Since the equipment manufacturing is ahead of schedule, some equipment may be stored by the manufacturer.

A transmission interconnection is less than 6 miles away. AMP is awaiting studies from the MISO independent system operator (ISO). AMP has submitted an application to the Ohio Power

Siting Board (OPSB) for the transmission line and the right of way acquisition process has started.

Budget and Schedule:

The project is currently on budget and progressing well. AMP is looking at various means of reducing budgeted costs and ways to improve the completion and on line dates. There are no significant contractual disputes with the cofferdam contractor, Angelo Iafrate construction. The overall schedule for final completion of the project is scheduled for the summer of 2014.