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DRESDEN ISLAND FERC PROJECT 12626



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Microsoft
Virtual Earth

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BRANDON ROAD FERC PROJECT 12717



TIMELINE FOR FEASIBILITY TESTING:

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- **Preliminary engineering Jun 2009** *Kleinschmidt Associates, Pittsfield, ME*
- Preliminary engineering completed
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- **Sediment survey Aug 2008** *Patrick Engineering, Lisle, IL*
- The Applicant developed its sampling and testing protocol in coordination with the Illinois Environmental Protection Agency (IEPA) and the Illinois Dept of Natural Resources (IDNR.) Applicant conducted an additional sediment analysis in four locations above the Dresden Island dam and in two locations downstream of the Dresden Island Dam.
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- **Mussel Survey Oct 2008** *Ecological Specialists Inc., O'Fallon, MO*
- NIH designed this study to provide the information necessary to assess more accurately the potential effects of the construction and operation of the projects on mussel species within the proposed tailraces, and in areas extending to below the Dresden Island by .5 miles.
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- **Geotechnical Review Aug 2009** *Haley & Aldrich*
- Contractor evaluated the quality and completeness of the existing geotechnical information provided to Kleinschmidt by the ACOE. Determined if further geotechnical core analysis needed.
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- **Land Based Topographic Survey/ Bathymetric Survey Jun-Sep 2009** *Ruettiger, Tonelli & Assoc., Joliet, IL*
- Applicant has conducted the necessary research and surveys to determine precise project location, identify adjoining property owners and to establish reservoir and riverine bottom profiles.
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- **Dissolved Oxygen and Temperature Monitoring Study Oct 2009** *Kleinschmidt, Pittsfield, ME*
- Applicant has conducted a water quality and dissolved oxygen study. Weekly readings have been taken, downloaded, and analyzed from October 2008 to the present. The data will provide a baseline for compliance with Illinois water quality standards.
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- **RFP for Engineering Services Sep 2009**
- The Applicant issued Requests for Proposal (RFP) for both turbine engineering services and Turbine procurement (water to wire) to determine the optimal configuration of the proposed project and establish costs. The Water to wire package will be awarded by November 30, 2009.
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- **Project Final Design Oct 2009**
- After award of the turbine engineering services Kleinschmidt will begin the final design of the powerhouse and ancillary structures.
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- **Licensing and Permitting Nov 2009**
- Application for license filed April 1, 2009. No additional studies were requested by stakeholders. Additional Information Request due to FERC – Nov7, 2009
- FERC will issue an Acceptance Notice and Ready for Environmental Assessment - Late 2009. Continued Kleinschmidt FERC licensing support
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- **Water Quality Report Nov 2009**
- A final Water Quality Report will be filed with FERC by November 30, 2009.
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- **ACOE and FERC Engineering coordination Through completion**
- Engineering coordination meetings (FERC, ACOE, Kleinschmidt, NIH) - Fall 2009
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- **Water Quality Certificate** The Applicant filed for an Illinois EPA Water Quality Certificate (WQC) on August 14, 2009.
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- **FERC License Anticipated in late Spring 2010**
- FERC issues New License Order
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- **Complete Power-station construction specs Mar 2010**
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- **Award Turbine procurement contract Jun 2010**
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- **Award Civil Contract Jun 2010**
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- **Civil work commences Aug 2010**
- A detailed construction timeline is available upon request.
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- **Powerhouse completion Feb 2012**
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- **Online Spring 2012**

KEY PARTNERS

Kleinschmidt Energy and

Water Resource Consultants

- Pittsfield, ME
- www.kleinschmidtusa.com
- Kleinschmidt is NIH's lead engineering firm and regulatory consultant for the FERC, ACOE and other agency licensing and permitting processes. They have been retained to integrate the engineering, regulatory, scientific, and planning solutions.

Seyfarth Shaw

- Chicago, IL
- <http://www.seyfarth.com>
- Seyfarth Shaw provides legal services for the Project including: reviewing numerous contracts, developing contracts for the turbine engineering services, turbine procurement, developing contracts for civil construction and other general legal advice.

Mesirow Financial

- Chicago, IL
- <http://www.mesirowfinancial.com>
- Mesirow Financial has provided financial advice as well as developing pro forma cash flow models to predict and verify project economics. Mesirow will seek to place our debt (\$47mm) investment grade BBB (+/-) currently around 8%.

Walsh Construction

- Chicago, IL
- <http://www.walshgroup.com>
- Walsh Construction provides opinions of construction manpower requirements and duration, and will be contracted to provide "value engineering" as to constructability issues, and preliminary construction cost estimates, at the 30% and 60% design levels as a sub-contractor to Kleinschmidt.

Mavel Americas

- Czech Republic
- <http://www.walshgroup.com>
- Mavel has been selected to provide the turbine-generator systems for the projects.
- Mavel will engineer and build the turbine and generator equipment. The contract will include engineering design of the equipment and a follow-on contract for procurement of the turbine-generator equipment, planned for August, 2010.



<http://nihydropwer.com>