

ORIGINAL

September 5, 2007

Kimberly D. Bose, Secretary
Federal Energy Regulatory Commission
888 First Street, N.E.
Washington, DC 20426

SEP 11 11:39 AM '07
P 13011

Re: Preliminary Permit Application for the Lake Shelbyville Dam Hydroelectric Project

Dear Ms. Bose,

Please find enclosed an original and eight copies of the Preliminary Permit Application for the Lake Shelbyville Dam Hydroelectric Project.

If you have any questions feel free to contact me at (208) 745-0834.

Sincerely,

Symbiotics, LLC

Brent L. Smith

Brent L. Smith
COO



PRELIMINARY PERMIT APPLICATION

FOR THE

**LAKE SHELBYVILLE DAM
HYDROELECTRIC PROJECT**

PREPARED FOR:
Shelbyville Hydro, LLC
Logan, UT

September 2007

PRELIMINARY PERMIT APPLICATION

FOR THE

**LAKE SHELBYVILLE DAM
HYDROELECTRIC PROJECT**

PREPARED FOR:
Shelbyville Hydro, LLC

PREPARED BY:
Symbiotics, LLC.
P.O. Box 535
Rigby, Idaho 83442

September 4, 2007

**Preliminary Permit Application
for the
Lake Shelbyville Dam Hydroelectric Project**

GENERAL:

The applicant for the proposed Lake Shelbyville Dam Hydroelectric Project is Shelbyville Hydro, LLC, consisting of members that are familiar with all aspects of hydroelectric development from the initial licensing process through design, construction and ongoing operations. The members of Shelbyville Hydro, LLC have been and are currently involved in various phases of numerous projects in the past twenty years including projects in Idaho, Utah, Montana, Wyoming, Oregon and Hawaii.

The applicant, Shelbyville Hydro, LLC, is not claiming municipal preference under section 7(a) of the Federal Power Act.

The location of the proposed project is:

State:	Illinois
County:	Shelby
Nearby Town:	Shelbyville
Body of Water:	Kaskaskia River

The official name, address and phone number of the applicant is:

Shelbyville Hydro, LLC
975 South State Highway
Logan, UT 84321
Phone: (435) 752-2580

The project liaison for all correspondence is:

Mr. Brent L. Smith, COO
Symbiotics, LLC.
P.O. Box 535
Rigby, Idaho 83442
Phone: (208) 745-0834
Fax: (208) 745-0835
E-mail: bsmith@nwpwrservices.com

Secondary contact:

Dr. Vincent Lamarra, CEO
Symbiotics, LLC.
975 South State Highway
Logan, Utah 84321
Phone: (435) 752-2580
Fax: (435) 752-2581
E-mail: vincel@ecosysres.com

The applicant is requesting a preliminary permit for a period of three years from the date of issuance to conduct preliminary environmental reviews, environmental impact statement, feasibility study and preliminary design.

EXHIBIT 1:

The proposed Lake Shelbyville Dam hydroelectric generating facility would be located on an existing dam owned by Army Corps of Engineers - St. Paul District, on the Kaskaskia River in Shelby County, Illinois. The contact individual for Shelby County is Kathy Lantz, County Clerk, at P.O. Box 230, Shelbyville, Illinois 62565. Part of the project would be on lands administered by Army Corps of Engineers - St. Paul District.

The proposed project would consist of an existing gravity dam 138 feet in height, with a crest length of 3,025 feet and a hydraulic head of 108 feet. Lake Shelbyville has a surface area of 11,100 acres, with a storage capacity of 207,832 acre-feet at a normal maximum water surface elevation of 600 feet.

The project would consist of modifications to the existing facility by adding one 108-inch steel penstock approximately 189 feet long; a powerhouse containing one 4MW turbine capable of generating an estimated project capacity of 4 megawatts; a switchyard; and approximately 1 mile of proposed 12.5kV transmission line. It is anticipated at this time that the proposed project would interconnect into the utility distribution systems owned by the local utility.

The project would operate in a run-of-the-river mode, using flows of the Kaskaskia River, and would generate an estimated 13GWh annually. The project would be accessed by existing roads.

Lands within the project area include lands owned and/or operated by Army Corps of Engineers - St. Paul District.

Upon approval, the proposed Lake Shelbyville Dam Hydroelectric Project will provide enhanced value to the region's water resources, as well as urgently needed relief to the current national energy crisis.

EXHIBIT 2:

The applicant anticipates the need for the following studies:

- Flow studies
- Energy production studies
- Environmental impact studies
- Water quality studies
- Project land surveys
- Engineering studies, including soil studies, test pits and core holes.
- Study on energy needs
- Water rights studies

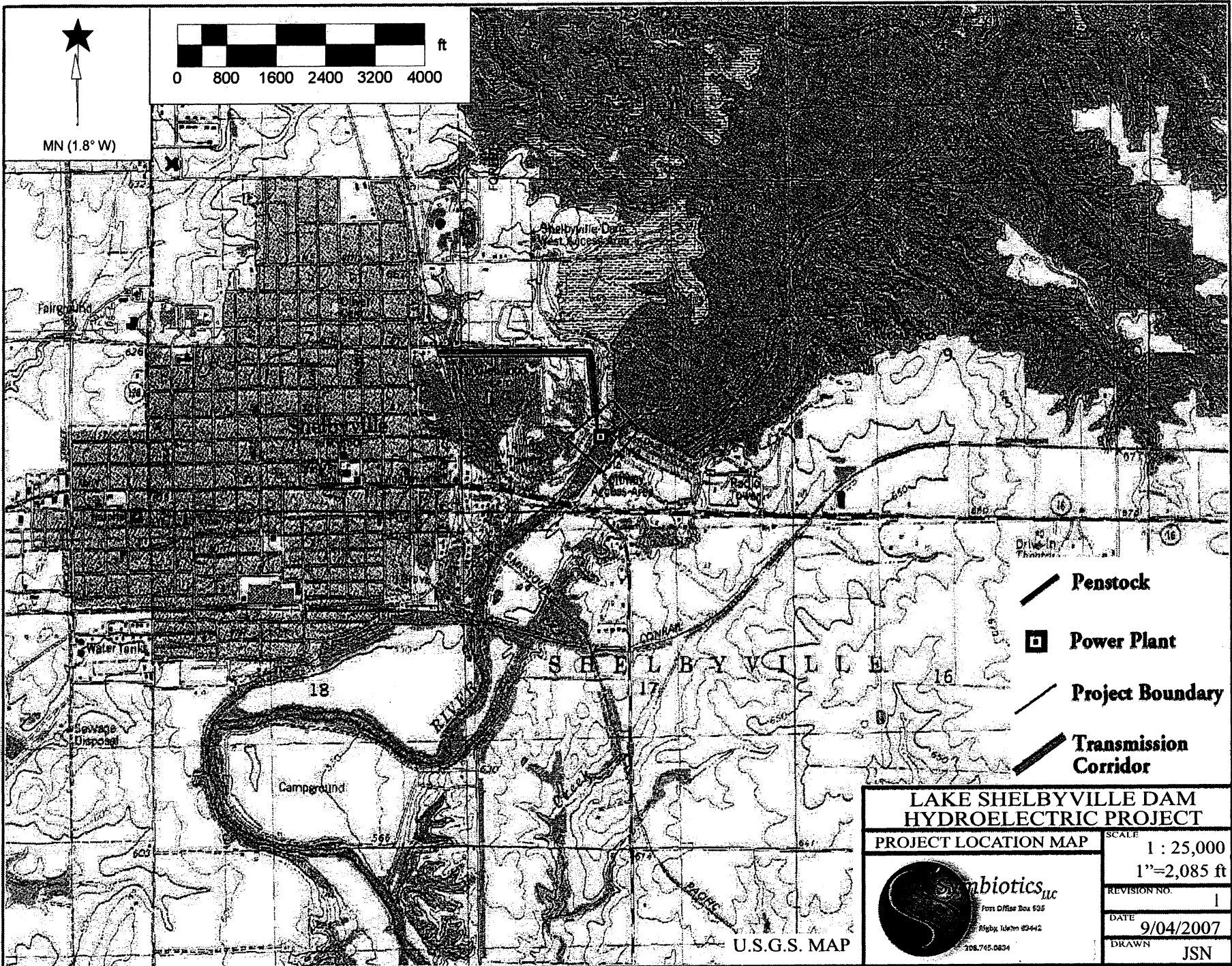
Additional studies may be required as issues arise.





EXHIBIT 3:


The cost to complete the proposed studies during the requested three year period is estimated at \$500,000 to \$1,000,000. It is expected that these costs will be funded by private investors and members of the applicant.

EXHIBIT 4:

Please find attached maps of the project area, boundary and features.



-  Penstock
-  Power Plant
-  Project Boundary
-  Transmission Corridor

LAKE SHELBYVILLE DAM HYDROELECTRIC PROJECT	
PROJECT LOCATION MAP	SCALE 1 : 25,000 1"=2,085 ft
 <p>Symbiotics, Inc. P.O. Box 535 Rt. 1, N. 7th St 208.745.0824</p>	REVISION NO. 1
	DATE 9/04/2007
	DRAWN JSN

U.S.G.S. MAP