

Indian Blanket Water, LLC  
4265 Kellway Circle  
Addison, TX 75001  
(972) 239-0707

Electronic Filing

April 26, 2016

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

**RE: Application for Preliminary Permit for Pump Hydroelectric Storage Project**

Dear Secretary Bose:

Pursuant to 18 CFR §§ 4.32 and 4.81 of the Federal Energy Regulatory Commission's ("FERC" or "Commission") regulations, enclosed for filing is the Application for the proposed Pushmataha County Pump Storage ("Project") from Indian Blanket Water LLC a Texas limited liability corporation ("Applicant").

As explained in this Application, Applicant proposes to develop a "closed-loop" pumped storage hydroelectric generating equipment which is located on Forest Service in Arkansas. Applicant looks to provide a reliability and affordable clean power storage, and Applicant is submitting this Application for Preliminary Permit in order to secure and maintain priority in the FERC licensing process, while undertaking activities and working with key stakeholders to determine the economic viability and feasibility of the proposed energy storage project to support an application for a license.

Applicant looks forward to working with the Commission in developing this critical new source of proven, clean energy storage to balancing existing and future intermittent renewable energy cost-effectively. If you have any questions regarding this submittal, please contact Fred Brown at (972) 239-0707 or email address [fbrown@tomlininvestments.com](mailto:fbrown@tomlininvestments.com).

Sincerely,



Fred Brown

Preliminary Permit Application

For

Indian Blanket Water, LLC  
Pumped Storage Hydroelectric Project

(Docket # P-XXXXX)

Pursuant to

18 CFR §4.81

For

License for Major Unconstructed Project

Before the

FEDERAL ENERGY REGULATORY COMMISSION

By

Indian Blanket Water, LLC  
4265 Kellway Circle  
Addison, Texas 75001

Prepared by

Tomlin Infrastructure Group LLC  
4265 Kellway Circle  
Addison, Texas 75001

April 2016

**VERIFICATION STATEMENT**

This Application for Preliminary Permit for Indian Blanket Water, LLC is executed in the:

STATE OF TEXAS )  
 )ss.  
COUNTY OF DALLAS )

by: Fred Brown (Authorized Agent)  
**Indian Blanket Water, LLC**  
4265 Kellway Circle  
Addison, TX 75001

Fred Brown being duly sworn, deposes and says that the contents of this Application for Preliminary Permit are true to the best of his knowledge or belief.  
The undersigned applicant has signed the application this 26 day of April, 2016.

**Indian Blanket Water, LLC**



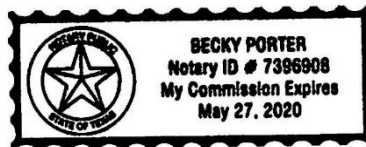
By: \_\_\_\_\_  
Fred Brown  
(Authorized Agent)

STATE OF TEXAS )  
 )ss.  
COUNTY OF DALLAS )

Sworn to and subscribed before me by Fred Brown, on this 26 day of April 2016



Notary Public for the State of Texas  
Printed Name: Becky Porter  
My Commission expires: May 27, 2020



## Initial Statement

1. Indian Blanket Water, LLC applies to the Federal Energy Regulatory Commission for a preliminary permit for the proposed Indian Blanket Hydro Pumped Storage Hydroelectric Project, as described in the attached exhibits. This application is made in order that the applicant may secure and maintain priority of application for a license for the project under Part 1 of the Federal Power Act while obtaining the data and performing the acts required to determine the feasibility of the project and to support for a license.

2. The location of the proposed project is:

State or Territory: Arkansas

County: Scott County & Polk County

Township or nearby town: Mena, Arkansas

Latitude/Longitude of Power House: 34° 43' 46"N 94° 21' 51"W

Stream or other body of water: Price Creek

3. The exact name, business address, and telephone number of the applicant are:

Business name: Indian Blanket Water, LLC  
4265 Kellway Circle  
Addison, TX 75001

Phone: (972) 239-0707

Alternate Contact: Fred Brown, P.E. (Agent)  
4265 Kellway Circle  
Addison, TX 75001

Phone: (972) 239-0707

Email address: [fbrown@tomlininvestments.com](mailto:fbrown@tomlininvestments.com)

4. Indian Blanket Water, LLC is a domestic corporation and is not claiming municipal preference under section 7(a) of the Federal Power Act.

5. The proposed term of the requested permit is 36 months.

6. There is no existing dam or project facility. A new dam will be constructed to create the upper reservoir. A new dam will be constructed to create the lower reservoir on Price Creek.

7. Contact information for all federal, state, local political entities and facilitate identified, and affected Indian tribes (§4.32(a)(2))

- a. Every county in which any part of the project, and any Federal facilities that would be used by the project, would be located;

Scott County, Arkansas  
190 West 1st Street  
Waldron, AR 72958  
(479) 637-2642

Polk County  
507 Church Ave  
Mena, AR 71953  
(479) 394-3271

- b. Every city, town, or similar local political subdivision;
- i. in which any part of the project, and any Federal facilities that would be used by the project, would be located;
  - ii. That has a population of 5,000 or more people and is located within 15 miles of the project dam;  
The project is located in an unincorporated area of Polk & Scott Counties and not located within any city/town limits. There is no cities or towns with a population of 5,000 or more within 10 miles of the project dam. The closet town is Mena, AR, 13 miles to the northwest of the site, with a population of 5,700 (2013 Census).

- c. Every irrigation district, drainage district, or similar special purpose political subdivision:
- i. In which any part of the project, and any Federal facilities that would be used by the project, would be located; or
  - ii. That owns, operates, maintains, or uses any project facilities or any Federal facilities that would be used by the project;

City of Mena  
Water Department  
David Young  
701 Mena Street  
Mena, AR 71953  
(479) 394-2761

Ozark Water Department  
Cecil Zolliecoffer  
2910 West Commercial  
P.O. Box 513  
Ozark, AR 72949  
479-667-3554  
[cecilz@centurytel.net](mailto:cecilz@centurytel.net)

City of Greenwood  
Water Department  
Greg Cross  
P.O. Drawer 1450  
Greenwood, AR 72936  
479-996-2742  
[gfcross@hotmail.com](mailto:gfcross@hotmail.com)

James Fork Regional Water District  
Terry Duboise  
2500 Mt. Zion Road  
Greenwood, AR 72936  
(479) 996-4296

RiverSouth Rural Water District  
Jack Wells  
2719 South Highway 23/PO Box 1375  
Ozark, AR 72949  
(479) 667-3466

d. Every other political subdivision in the general area of the project that there is reason to believe would likely be interested in or affected by, the application;

US Army Corps of Engineers, Arkansas  
AR-309  
Ozark, AR 72949  
(479) 667-2129

Natural Resources Conservation Service (NRCS)  
600 Main Street  
Hot Springs, AR 71913  
(501) 624-2574

Arkansas Natural Resources Commission  
J. Randy Young P.E.  
101 East Capitol Avenue, Suite 350  
Little Rock, Arkansas 72201  
Phone: (501) 682-3961

City of Mena  
520 Mena Street  
Mena, AR 71953  
(479) 394-3141

US Fish & Wildlife  
110 Amity Rd #300  
Conway, AR 72032  
Phone:(501) 513-4470

Bureau of Land Management  
Southeastern States District  
411 Briarwood Drive, Suite 404  
Jackson, MS 39206  
(601) 977-5400

e. All Indian tribes that may be affected by the project.

Choctaw Nation of Oklahoma  
Post Office Box 1210  
Durant, OK 74702  
(800) 522-6170

Quapaw Tribe of Indians  
5681 South 630 Road  
Quapaw, OK 74363  
(918) 238-3097

## EXHIBIT 1

1. The number, physical composition, dimensions, general configuration and, where applicable, age and condition of any:

### Dams

#### Upper Dam

Type: Rolled-Compacted Concrete

Composition: Concrete

Height: 100 feet

Base Length (feet): 300 feet

Crest Length (feet): 100 feet

Latitude/Longitude: 34° 42' 45" N 94° 22' 26" W

#### Lower Dam

Type: Earthen

Composition: Earth

Height: 150 feet

Base Length (feet): 750 feet

Crest Length (feet): 100 feet

Latitude/Longitude: 34° 44' 17" N 94° 22' 18" W

### Spillways

Both the upper and lower reservoirs will have emergency spillways.

### Powerhouse

Number of units: 4 (four) units each unit will be 300MW's

Proposed Capacity: 1200MW

Latitude/Longitude: 34° 43' 46" N 94° 21' 51" W

### Tailraces

Four of variable sizes

2. The estimated number, surface area, storage capacity, and normal maximum surface elevation (mean sea level) of any reservoirs, whether existing or proposed, that would be part of the project:

#### Upper Reservoir

Surface area: 352 acres

Watershed area: 352 acres

Estimated yield: 1500 ac ft

Storage capacity: 35,200 ac ft

Normal maximum: 2500 ft

Surface elevation: 2500 ft

Latitude/Longitude: 34° 42' 45" N 94° 26" W

Lower Reservoir

Surface area: 624 acres

Watershed area: 6200 acres

Estimated yield: 24,800 ac ft

Storage capacity: 62,400 ac ft

Normal maximum: 1100 ft

Surface elevation: 1090 ft

Latitude/Longitude: 34° 44' 17" N 94° 22' 18" W

3. The estimated number, length, voltage, interconnection, and, where applicable, age and condition, of any primary transmission lines whether existing or proposed, that would be part of the project:

A new 345kv transmission line will be constructed with an approximate length of 50 miles. The location and connection point(s) to the grid will be established after an interconnection study is completed.

4. The total estimated average annual energy production and installed capacity (provided only one energy and capacity value), the hydraulic head for estimating capacity and energy output, any turbines and generators, whether existing or proposed, that would be part of the project works:

Estimated Average annual energy output: 3,500,000MW/hours

Number of generating units: 4 (four)

Turbine ratings per unit: 300MW

Generator rating per unit: 300MW

Single capacity rating per generating unit: 300MW

Existing and/or proposed generating equipment: Proposed

Hydraulic head: 1300 ft

5. All lands of the United States that are enclosed within the proposed project boundary described and shown in Exhibit 4 of this document, identified and tabulated on a separate sheet by legal subdivisions of a public land survey of the affected area, if available. If the project boundary includes lands of the United States, such lands must be identified on a completed land description form, provided by the Commission. The project location must identify any Federal reservation, Federal Tracts, and townships of the public land surveys (or official protractations thereof if unsurveyed). A copy of the form must also be sent to the Bureau of Land Management State office where the project is located.

The project is entirely within Ouachita National Forest, the headquarters is located at:  
100 Reserve Street/P.O. Box 1270 Hot Springs, AR 71902 Phone: (501) 321-5202



6. Any other information demonstrating in what manner the proposed project would develop, conserve, and utilize in the public interest the water resources of the region.

Upon approval, the proposed pump storage hydroelectric project will generate electric power during peak demand periods thereby reducing the need for fossil fuel peaker generators.

## Exhibit 2

### 1. General requirements

- i. Any studies, investigations, tests, or surveys that are proposed to be carried out, and any that have already taken place, for the purposes of determining the technical, economic, and financial feasibility of the proposed project, taking into consideration its environmental impacts, and of preparing an application for a license for the project.
  - Groundwater studies
  - Engineering studies
  - Soils studies
  - Test pits
  - Core borings
  - Hydrologic/hydraulic studies
  - Water rights
  - Energy production studies
  - Environmental impact studies
  - Water quality studies
  - Additional studies may be required as issues arise
- ii. The approximate location and nature of any new roads that would be built for the purpose of conducting the studies.

No new roads will be built to conduct the proposed studies.

### 2. Work plan for new dam construction

- i. A description, including the approximate location, of any field study, test, or other activities that may alter or disturb lands or waters in the vicinity of the proposed project, including floodplains and wetlands; measures that would be taken to minimize any such disturbance; and measures that would be taken to restore the altered or disturbed areas.

A limited geotechnical investigation is proposed to initially determine the subsurface conditions at the project site, including the reservoir sites, the penstock route and the powerhouse site. No floodplains or wetlands are proposed to be disturbed. Access will be available via existing and new roads as described in item 1 (ii) above.

- ii. A proposed schedule (a chart or graph may be used), the total duration of which does not exceed the proposed term of the permit, showing the intervals at which the studies, investigations, tests, and surveys, identified under this paragraph are proposed to be completed.

It is the intent of the application to file a PAD/NOI during the 3-year duration of the permit. The applicant will then follow the ILP schedule for studies, unless the applicant deems necessary to request the Traditional Licensing Process.

3. The Commission may waive the requirements of Exhibits, Part 2, upon a showing by the applicant that the field studies, tests, and other activities to be conducted under the permit would not adversely affect cultural resources or endangered species and would cause only minor alterations or disturbances of lands and waters, and that any land altered or disturbed would be adequately restored.

It is not anticipated that preliminary studies will adversely impact cultural resources, endangered species or federally owned lands. Therefore, the applicant request waiver of requirements in 18 CFR §4.81 (c) (2) [Exhibit 2, Part 2 of this document] pursuant to 18 CFR §385.207.

### Exhibit 3

1. The estimated costs of carrying out or preparing the studies, investigations, tests, surveys, maps, plans or specifications identified under Exhibit 2 of this document.

The cost to complete the proposed studies during the requested three-year period is estimated at \$8,000,000 to \$10,000,000

2. The expected sources and extent of financing available to the applicant to carry out or prepare the studies, investigations, tests, surveys, maps, plans or specifications identified Exhibit 2 of this document.

These costs will be funded by private investors and the applicant.

3. A description of the proposed market for the power generated at the project, including:

- i. The identity of the proposed purchaser(s) of the power, and any information that is available concerning the revenues to be derived from the sale of the power.

Power will be marketed to local utilities and providers in the service areas.

- ii. The size of the applicant's power system, system peak demand and annual energy requirements, and the number of customers served by the applicant.

The applicant has no power system.

## Exhibit 4

Maps prepared on a United States Geological Survey topographic quadrangle sheet showing:

1. The location of the project as a whole with reference to the affected stream or other body of water and, if possible, to a nearby town or any permanent monuments or objects that can be noted on the maps and recognized in the field.

Please see Figure 1

2. The relative location and physical interrelationship of the principal project features identified in Exhibit 1 of this document.

Please see Figure 1

3. A proposed boundary for the project, enclosing:

- i. All principal project features identified in Exhibit 1 of this document including but not limited to any dam, reservoir, water conveyance facilities, power plant, transmission lines, and other appurtenances; if the project is located at an existing Federal dam, the Federal dam and impoundment must be shown, but may not be included within the project boundary;

Please see Figures 1

- ii. Any non-Federal lands and any public lands or reservations of the United States [see 16 U.S.C. 796 (1) and (2)] necessary for the purposes of the project. To the extent that those public lands or reservations are covered by a public land survey, the project boundary must enclose each of and only the smallest legal subdivision (quarter-quarter section, lots or other subdivisions, identified on the map by subdivision) that may be occupied in whole or in part by the project.

There are Federal and Public lands in the proposed project area.

4. Areas within or in the vicinity of the proposed project boundary which are included in or have been designated for study for inclusion in the National Wild and Scenic River System.

There are no National Wild and Scenic Rivers in the vicinity of the project.

5. Area within the project boundary that, under the provisions of the Wilderness Act, have been:

- i. Designated as wilderness area:

Not Known

ii. Recommended for designation as wilderness area;

Not Known

iii. Designated as wilderness study area.

Not Known

Figure 1

