

**NOTICE OF INTENT  
TO FILE A LICENSE APPLICATION  
LUDINGTON PUMPED STORAGE PROJECT (FERC No. 2680)  
CONSUMERS ENERGY COMPANY AND DTE ELECTRIC COMPANY**

**January 20, 2014**

Pursuant to 18 C.F.R. Section 5.5 of the Federal Energy Regulatory Commission's (FERC) regulations, Licensees Consumers Energy Company (Consumers Energy) and DTE Electric Company (DTEE) (collectively 'Licensees' or Applicants'), hereby give notice and declare their intent to apply for a new license for the Ludington Pumped Storage Project (FERC No. 2680).

In accordance with 18 C.F.R. Section 5.5 and Section 16.6(b), the following information is provided.

1. The potential applicants or existing Licensees' name and address:

Consumers Energy Company  
One Energy Plaza  
Jackson, MI 49201, and

DTE Electric Company  
One Energy Plaza  
Detroit, MI 48226

2. Project number:

Ludington Pumped Storage Project, FERC No. 2680

3. License expiration date:

The Federal Energy Regulatory Commission issued a license to operate the Ludington Pumped Storage Project on July 30, 1969. The license was for a period effective July 1, 1969 and terminating June 30, 2019. Consumers Energy Company and DTE Electric Company will file its Application for New License on or before June 30, 2017.

4. Applicant's statement of intention to file an application for a subsequent license:

Consumers Energy and DTEE hereby unequivocally declare their intent to apply for relicensing of the Ludington Pumped Storage Project, FERC Project No. 2680. The Licensees request that FERC conduct the relicensing using the Integrated Licensing Process (ILP).

5. Principal Project works include:

**Upper Reservoir:** A storage reservoir, formed by a dike with a maximum height of 170 feet and a perimeter of approximately 5.7 miles, with 82,300 acre-feet of gross storage capacity at maximum water surface elevation 942 NGVD.

**Conduits:** Six steel penstocks about 1,300 feet long with inside diameters varying from 28.5 to 24 feet.

**Powerhouse:** A concrete powerhouse located adjacent to Lake Michigan, containing six pump-turbine generating units each with a authorized installed capacity of 2,222,700 horsepower (1657.5 megawatts (MW))<sup>1</sup>.

**Tailrace:** An excavated 1,100 foot wide, 2,715 foot-long tailrace channel in Lake Michigan. Two parallel 1,600 foot-long jetties on the northerly and southerly sides of the tailrace and 1,700 foot-long breakwater paralleling the shoreline to protect the powerhouse from wave action.

**Appurtenant Facilities:** Include various public recreation facilities, a seasonally installed 12,850 foot-long fish barrier to the project's intakes, and miscellaneous buildings.

6. Project Location:

The Ludington Pumped Storage Project is located on the east shore of Lake Michigan in Mason and Ottawa Counties, Michigan. The Project is located in Pere Marquette and Summit Townships (Mason County). A satellite recreation area for the Project is located in Port Sheldon (Ottawa County), 70 miles south of the powerhouse and impoundment.

7. Installed plant capacity:

The Project has six generating units with a total nameplate capacity of 1,872 MW.

8. The names and mailing addresses of:

- a. Every county in which any part of the Project is located, and in which any Federal facility that is used or to be used by the Project is located:

The Project is located in Mason and Ottawa Counties, Michigan.

Mason County Government  
304 E. Ludington Avenue  
Ludington, MI 49431

Ottawa County Government  
12220 Fillmore Street  
West Olive, MI 49460

There are no Federal facilities used by the Project.

- b. Every city, town, or similar political subdivision in which any part of the Project is or is to be located and any Federal facility that is or is to be used by the Project is located:

The Project is located in the Pere Marquette Township, Summit Township and Port Sheldon Township.

Pere Marquette Charter Township  
1699 Pere Marquette Highway  
Ludington, MI 49431

Township of Summit  
4560 W. Anthony Road  
Ludington, MI 49431

Port Sheldon Township  
16201 Port Sheldon Street  
West Olive, MI 49460

There are no Federal facilities used by the Project.

Every city, town, or similar political subdivision that has a population of 5,000 or more people and is located within 15 miles of the existing or proposed Project:

The following political subdivisions with populations of 5,000+ are within 15 miles of the Project:

Powerhouse and Impoundment: City of Ludington (8,076);

City of Ludington  
400 S. Harrison  
Ludington, MI 49431

Port Sheldon Recreation Area: Allendale Township (20,708); Blendon Township (5,772); City of Grand Haven (10,412); Grand Haven Township (15,178); City of Holland (33,051); Holland Township (35,636); Park Township (17,802); Robinson Township (6,084); Spring Lake Township (11,977); City of Zeeland (5,504); and Laketown Township (5,505).

Allendale Township  
6676 Lake Michigan Drive  
PO Box 539  
Allendale, MI 49401-0539

Blendon Township  
7161 72<sup>nd</sup> Avenue  
Hudsonville, MI 49426

City of Grand Haven  
519 Washington Avenue  
Grand Haven, MI 49417

Grand Haven Township  
13300 168<sup>th</sup> Street  
Grand Haven, MI 49417

City of Holland  
270 South River Avenue  
Holland, MI 49423

Holland Township  
353 North 120<sup>th</sup> Avenue  
PO Box 8127  
Holland, MI 49422-8127

Park Township  
52 152<sup>nd</sup> Avenue  
Holland, MI 49424

Robinson Township  
12010 120<sup>th</sup> Avenue  
Grand Haven, MI 49417

Spring Lake Township  
106 South Buchanan  
Spring Lake, MI 49456

City of Zeeland  
21 South Elm Street  
Zeeland, MI 49464-1783

Laketown Township  
4338 Beeline Road  
Holland, MI 49423

- c. Every irrigation district, drainage district, or similar special purpose political subdivision:

Mason County Drain Commissioner  
102 East Fifth Street  
Scottville, MI 49454

- d. Every other political subdivision in the general area of the Project or proposed Project that there is reason to believe would be likely to be interested in, or affected by, the notification:

There are no other political districts or subdivisions that are likely to be interested in or affected by the notification.

- e. Affected Indian Tribes:

The Licensees are not aware that the Project affects any Native American tribe. The following is a listing of Native American tribes that may have some level of interest in the area surrounding the Project and have been contacted by the Licensees in preparation of the Pre-Application Document:

Bay Mills Indian Community  
12140 W. Lakeshore Drive  
Brimley, MI 49715

Grand Traverse Band of Ottawa and Chippewa Indians  
2605 N. West Bay Shore Drive  
Peshawbestown, MI 49682

Little River Band of Ottawa Indians  
Government Center  
2608 Government Center Drive  
Manistee, MI 49660

Little Traverse Bay Bands of Odawa Indians  
7500 Odawa Circle  
Harbor Springs, MI 49740

Red Lake Band of Chippewa Indians of Minnesota  
P.O. Box 550  
Red Lake, MN 56671

Sault Ste. Marie Tribe of Chippewa Indians of Michigan  
523 Ashmun Street  
Sault Ste. Marie, MI 49783

Saginaw Chippewa Indian Tribe of Michigan  
7070 East Broadway Road  
Mt. Pleasant, MI 48858

9. Whether the application is for a power or a non-power license:

The Ludington Pumped Storage Project license application is for a power license.

Furthermore, in accordance with 18 C.F.R. Section 5.5, Licensee must distribute to appropriate Federal, state, and interstate resource agencies, Indian tribes, local governments, and members of the public likely to be interested in the proceeding this notification of intent. A complete listing of appropriate agencies, tribes, local governments and non-governmental organizations (NGOs) is provided in Appendix A of the Pre-application Document.

The information required to be made available to the public pursuant to 18 C.F.R Section 16.7 is located at the Licensees offices at Consumers Energy Company, Cadillac Service Center, 330 Chestnut Street, Cadillac, Michigan 49601. In addition a copy of the Pre-Application Document will be available at the Mason County District Library in Ludington.

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<sup>1</sup> By Order Amending License dated May 7, 2012, FERC approved Licensees' request to upgrade and overhaul all six pump-turbine/motor generating units at the Project. This upgrade will increase the authorized installed capacity of the Project from 1,657.5 MW to 1,785 MW. The hydraulic capacity of the Project will increase from 66,600 cfs to 76,290 cfs. The upgrades are expected to be completed by May 6, 2020.