Consumers energy ludington pumped storage address

How does the Ludington Pumped storage plant work?
It's part of the Ludington Pumped Storage Plant, which uses simple technology: Water is piped from a lower reservoir -- the lake, in this case -- to an upper one, then released downhill through supersized turbines.

Who owns the Ludington Pumped storage plant?
The Ludington Pumped Storage plant is connected to six 345-kV Transmission lines,all owned and maintained by METC,a subsidiary of ITC Holdings. The project was given the 1973 award for "Outstanding Civil Engineering Achievement" by the American Society of Civil Engineers.

How much does a Ludington pumped hydro plant cost?
The plant cost $347 million to build five decades ago and would today cost an estimated $5.5 billionto construct,officials said. Today the Ludington pumped hydro plant is a major element in Michigan's renewable energy portfolio.

What does Michigan's Ludington pumped hydro plant do?
Today the Ludington pumped hydro plant is a major element in Michigan's renewable energy portfolio. Consumers Energy says it wants to generate 90% of its electricity from clean sources by 2040,ending all coal use by 2025 and relying more heavily on natural gas.

Does Consumers Energy have a pumped hydroelectric storage facility?
But it's not an average lake. The pumped hydroelectric storage facility operated by Consumers Energyisn't new technology. It was built more than 50 years ago to help absorb nuclear energy during overnight hours when customer demand for electricity was low.

How does the Ludington Pumped storage plant protect fish?
To protect fish in the environment,the Ludington Pumped Storage Plant installs a 2 1/2 mile long barrier net every springto keep perch,salmon,and trout away from the plant. This net is removed in the fall due to the severe winters that would damage it.

The reservoir is 33.5m (110ft) deep with approximately the top 60% used for pumped storage operations. Consumers Energy says the reservoir has more than 15GWh of generation storage, and the plant operates with approximately 70% cycle efficiency.

Consumers Energy Company (Consumers Energy) and DTE Electric Company (DTEE), co-Licensees of the Ludington Pumped Storage Project (FERC No. 2680), are in the process of relicensing the existing 1,785 megawatt (MW) 1 Ludington Pumped Storage Project (LPSP or Project) with the Federal Energy Regulatory Commission (FERC). The Project is located along

Consumers energy ludington pumped storage address

Located on the Lake Michigan shoreline, the Ludington Pumped Storage Plant has been called one of the world"s biggest electric batteries. The 1,872-megawatt hydroelectric facility generates sustainable energy. Water pumped from the lake is stored in a manmade 842-acre upper reservoir and later released to generate electricity at peak load hours.

Ludington Pumped Storage 6 Alcona Canoe Launch 10 Trail Updates 12 The HIA Program 14 The Arctic Grayling Grant Supports Return of Native Fish. Alcona Dam ... Hydro Reporter, contact Consumers Energy Natural Resources Administrator and Editor Matthew Carmer at 231-779-5507 or matthew. carmer@cmsenergy .

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: ... The Ludington Pumped Storage Project is located on the east shore of Lake Michigan in Mason and Ottawa Counties, Michigan. The Project ...

In 2022, 43 pumped storage hydropower plants accounted for 96 percent of U.S. utility-scale energy storage capacity, although new battery storage installations surged in 2020-2022. Most pumped storage facilities in the U.S. were built between 1960 and 1990, and some, including Ludington, have been upgraded in recent years to increase their ...

Consumers Energy is an investor owned utility that provides natural gas and electricity to 6.7 million of Michigan"s 10 million residents. [1] ... including part ownership of Ludington Pumped Storage, wind farms, nuclear power plant, and coal-fired plants and natural gas peakers. [24] ... Contact Wikipedia; Code of Conduct;

Hydropower projects are licensed by the Federal Energy Regulatory Commission (FERC) and the current FERC license for the Ludington Pumped Storage Project (LPSP) expires on June 30, 2019. The Consumers Energy Company and DTE Electric Company (Licensees) will be applying for license renewal using FERC"s Integrated Licensing Process (ILP).

As Mason County is already home to our Ludington Pumped Storage Plant, the site was ideal for the buildout of our energy park. Safety is always a top priority for us during planning and construction, and the Lake Winds Energy Park was no exception.

If approved, such a transmission upgrade would connect to Ludington and allow the pumped hydro plant to store power from what is often excessive wind energy generated in ...

The Ludington Pumped Storage Plant, co-owned by Consumers Energy (51%) and DTE Electric (49%), is a key component to helping both energy providers replace coal generated power ...

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LUDINGTON PUMPED STORAGE PROJECT (FERC NO. 2680-108) MICHIGAN RE: REVISED STUDY PLAN ... For copies of the Revised Study Plan contact: David McIntosh Consumers Energy Company Hydro and Renewable Generation 330 Chestnut Street Cadillac, MI 49601 (231) 779-5506 David.McIntosh@cmsenergy

The Ludington Pumped Storage Plant is turning 40, and officials from Lansing and Washington are bringing gifts to the party. The award-winning facility is being recognized for providing reliable and low-cost power, saving Michigan"s electric customers millions of dollars compared to other sources. Gov. Rick Snyder, Lt. Gov. Brian Calley, Sen. Goeff Hansen and ...

1 of 6 | . This undated photo provided by Consumers Energy shows an aerial view of the Ludington Pumped Storage Plant near Ludington, Mich. The plant generates electricity by pumping water from Lake Michigan to a reservoir on top of a bluff, then releasing it through giant turbines as needed.

The Ludington Pumped Storage Plant sits on a 1,000-acre site along the Lake Michigan shoreline, four miles south of Ludington. We operate the plant and share ownership with DTE Energy. It began producing electricity in 1973.

Ludington Pumped Storage Hydroelectric Project Proposed Study Plan FERC Project No. 2680-108 1-1 June 2014 CONSUMERS ENERGY COMPANY DTE ELECTRIC COMPANY LUDINGTON PUMPED STORAGE HYDROELECTRIC PROJECT (FERC NO. 2680-108) DRAFT PROPOSED STUDY PLAN 1.0 INTRODUCTION Consumers Energy Company (Consumers ...

The 1,872-megawatt hydroelectric facility generates sustainable energy. Water pumped from the lake is stored in a manmade 842-acre upper reservoir and later released to generate electricity ...

CONSUMERS ENERGY COMPANY DTE ELECTRIC COMPANY LUDINGTON PUMPED STORAGE HYDROELECTRIC PROJECT (FERC NO. 2680-108) WILDLIFE RESOURCES REPORT Surveys completed: August 2015 Report Prepared for: Consumers Energy Company Hydro and Renewable Generation 330 Chestnut Street Cadillac, MI 49601 Report Prepared ...

FEDERAL ENERGY REGULATORY COMMISSION Washington, DC 20426 March 20, 2014 OFFICE OF ENERGY PROJECTS Project No. 2680-108 - Michigan Ludington Pumped Storage Project Consumers Energy Company and DTE Electric Company Subject: Scoping Document 1 for Ludington Pumped Storage Project, P-2680 To the Party Addressed:

The Ludington Pumped Storage Plant has provided Michiganders energy at a moments notice for nearly 50 years. With recent upgrades, the plant will be able to help provide enough energy to power 1.6 ...

Consumers energy ludington pumped storage address

Ludington Pumped-Storage Plant D uring its more than 40 years of operation, the massive 1,872-MW Ludington pumped-storage plant in Ludington, Mich., has pumped water from Lake Michigan to its 27 billion gallon capacity upper reservoir and generated electricity to meet peak demand. It was built from 1969 to 1973 at a cost of US$315 million.

The Ludington Pumped Storage Plant is a hydroelectric plant and reservoir in Ludington, Michigan. It was built between 1969 and 1973 at a cost of $315 million and is owned jointly by Consumers Energy and DTE Energy and operated by Consumers Energy. At the time of its construction, it was the largest pumped storage hydroelectric facility in the world.

Ludington Pumped Storage Hydro ... (Friday prior to Memorial Day weekend). Consumers Energy plans to begin construction on the Hardy Dam Projects in 2025, pending the receipt of regulatory, environmental, and federal approvals. ... Contact; Terms ...

CONSUMERS ENERGY COMPANY JACKSON, MICHIGAN DTE ELECTRIC COMPANY DETROIT, MICHIGAN PRE-APPLICATION DOCUMENT FOR THE LUDINGTON PUMPED STORAGE HYDROELECTRIC PROJECT (FERC NO. 2680) Submitted by: Consumers Energy Company DTE Electric Company One Energy Plaza One Energy Plaza Jackson, MI 49201 ...

A 2016 Energy Department report said the U.S. network has a potential for 36 gigawatts of new pumped storage capacity. "We don"t think pumped storage is the be-all, end-all but it"s a vital ...