

**Society for the Preservation of Old Mills
Northeast Chapter
and
Northern Heritage Mills**

**THE NEW HAMPSHIRE SUSTAINABLE
ENERGY LEADERSHIP AWARD
2009**

is awarded to

White Mountain Hydroelectric Corporation

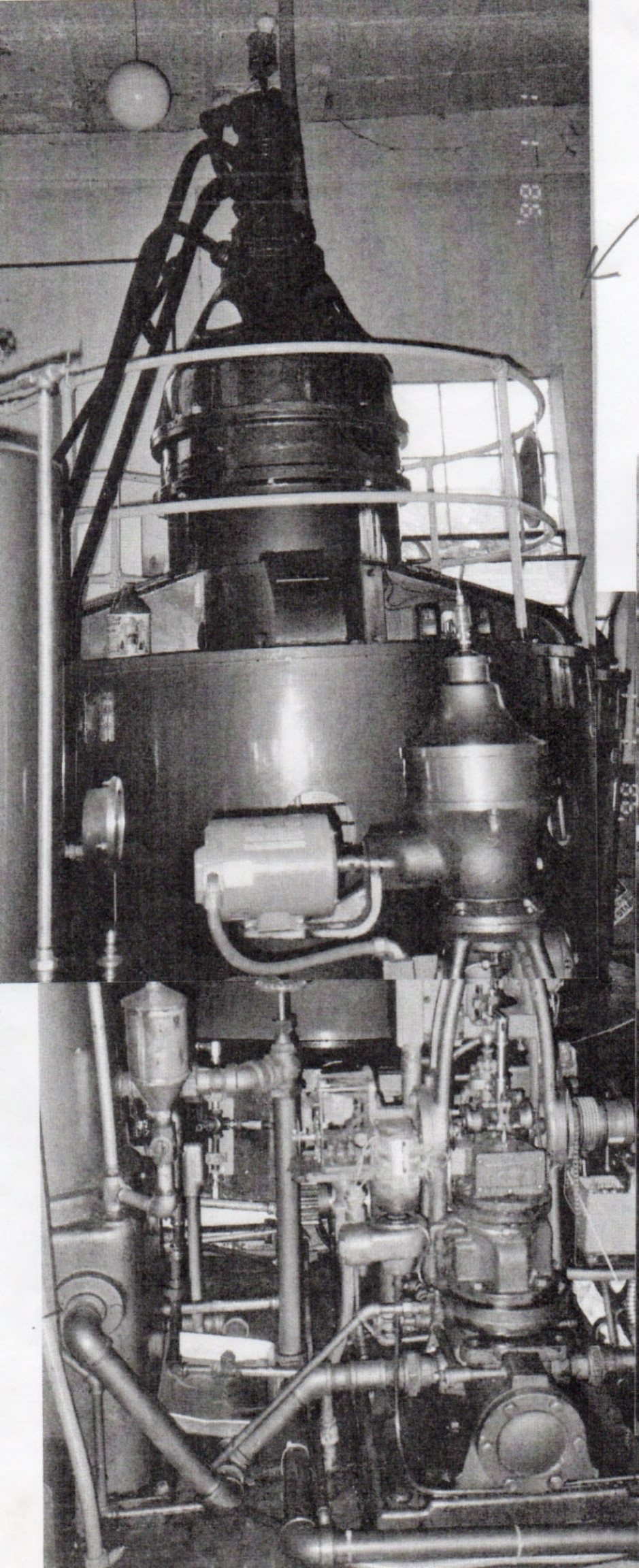
Lisbon, New Hampshire

In Recognition for Outstanding

**Leadership in Environmental Protection and Education
Historic Architectural and Engineering Preservation
Stewardship of Clean, Carbon Free, Renewable and Sustainable
Hydroelectric Resources
1903 - 2009**

Neighbors Helping Neighbors for A Healthier Rural America





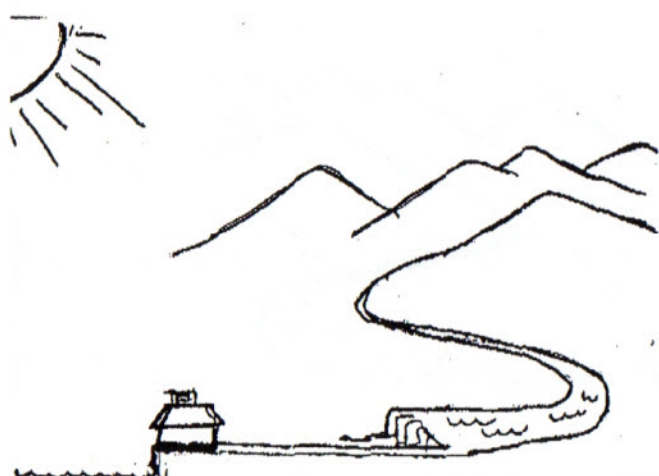
MILLS Preservation
Award
OH, New Hampshire



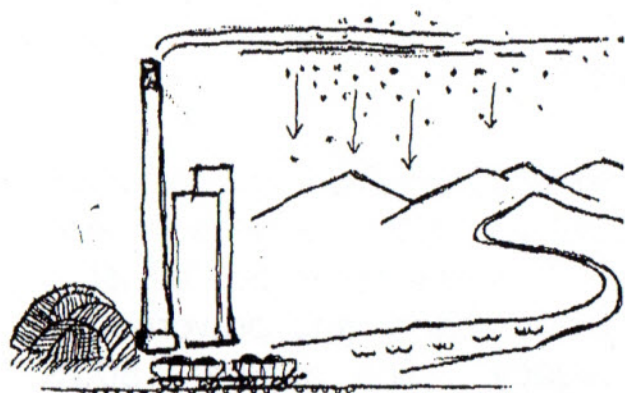
Energy Security

If there was a national electric grid failure, electricity from our locally generated Lisbon hydroelectric power station could be used to provide energy for municipal, energy management and homeland emergency services.

Every kilowatt generated here from water is one kilowatt less generated from foreign oil.



Hydroelectricity is clean energy technology



Coal and Oil generated electricity harms our forests with acid rain and airborne industrial contaminants

Corporate Sponsors

Hamshaw Lumber, Kohler & Lewis Engineers, Staples, PSNH, Society for the Preservation of Old Mills, Wal-Mart

The Art of the Machine

Another attribute that makes this Lisbon water-powered mill stand apart from others is the personal initiative of the owners in attending to the architectural details, landscape design and historic features.

The powerhouse interior's Italian tile floors, the spotless polished deep purple enamel historic generators and the visual and personal access to the mechanical and electrical educational component the owners have built into the powerhouse clearly makes this water-powered electric generating station a flagship for others to follow. This is the Rolls Royce of small hydroelectric family operated and owned powerhouses.

The White Mountain Hydroelectric Corporation's civil engineering canal works is not only a machine to deliver water to the powerhouse, it is also beautiful. The powerhouse canal has embossed architectural details cast into the concrete from earlier 1860's New Hampshire mills.

Historically mills took tremendous pride in their architecture and civil engineering works. This fine tradition is carried on at this site. The White Mountain Hydroelectric preservation work without question represents the art form and engineering craftsmanship of the owners. The power canal also serves as a powerful landscape architectural tool that highlights the beautiful town hall just across the river, the mill pond dam and water falls, the engineered highway bridge and the town library.

The viewing platform by the canal is in a park-like setting where the green enameled round 1910 industrial iron fence reflects the color of the manicured lawn. When the last details of this major historic environmentally engineered preservation project are in place, it will be a striking symbol of historic preservation intertwined with the local sustainable economy.

NHeritageMills.com tel 603-835-2386

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White Mountain Hydroelectric Corporation

Open House

Lilac Festival

May 23 – 24, 2009

Lisbon, New Hampshire

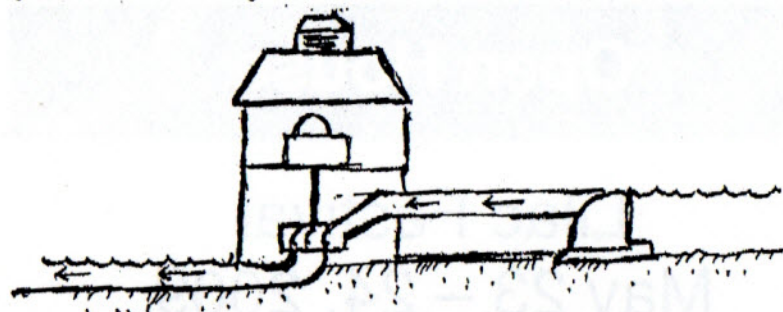
***Community and
Environmental Benefits
of the Historical
Preservation of Lisbon's
Downtown Hydroelectric
Generating Station
100 million Kilowatts of
Carbon-Free Energy
1903 - 2009***

Recipient of the
New Hampshire Sustainable Energy
Leadership Award 2009

History

About 1790 Water power was first used in Lisbon by the early settlers when they built a water-powered grist mill and saw mill.

Eight years after Thomas Edison built the first electric generating station, Lisbon built the first hydroelectric generator in 1890. In 1903 this hydroelectric site was constructed and was retired in 1965. In 1982 White Mountain Hydroelectric Corporation purchased and restored the site and started generating hydroelectricity on December 19, 1985.



How Hydroelectricity is Made

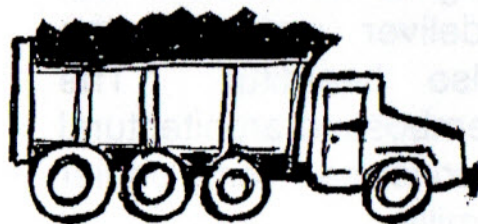
Water goes through a change in elevation inside of a large pipe from the top of the mill pond to a turbine located at the end of this pipe. The turbine spins because of the rushing water going through the pipe. The spinning turbine is connected to a drive shaft that spins the generator that creates electricity.

Hydroelectricity and Community Development

The benefit to Lisbon from generating local electricity versus electricity made out of state is that residents have invested in their town. Neighbors in the community have put their money to work in Lisbon. Local people are hired and local products and services purchased. The money generated by selling electricity gets spent and re-invested in the community. The taxes paid by White Mountain Hydroelectric Corporation to the town of Lisbon pay for schools, roads and town services, further recycling investments in Lisbon. Whereas, if the electricity was made in Ohio, citizens would send their electric payments out of state and lose the benefits of cycling their investments locally.

Community Health Benefits

Generating hydroelectricity is carbon free and does not pollute Lisbon's air. Burning coal and oil to generate electricity produces industrial contaminants such as carbon dioxide, sulfur dioxide, nitric oxide, toxic mercury and other air born contaminants. With a higher air quality from Lisbon's hydroelectric station there is less risk of airborne illnesses and thus lowers health care costs. The amount of carbon dioxide that is "off set" or not emitted in Lisbon, because the White Mountain Hydroelectric does not produce the climate-changing airborne industrial contaminants, is 3,700 tons a year. This is the equivalent of one hundred and sixty 23-½ ton dump truck loads of contaminants not in Lisbon's air.



Local Hydroelectricity saves the equivalent of 160 dump trucks full of carbon dioxide from entering Lisbon's atmosphere each year

Environmental Protection

The White Mountain Hydroelectric station is also important in protecting the local environment by not emitting harmful climate-change gasses.

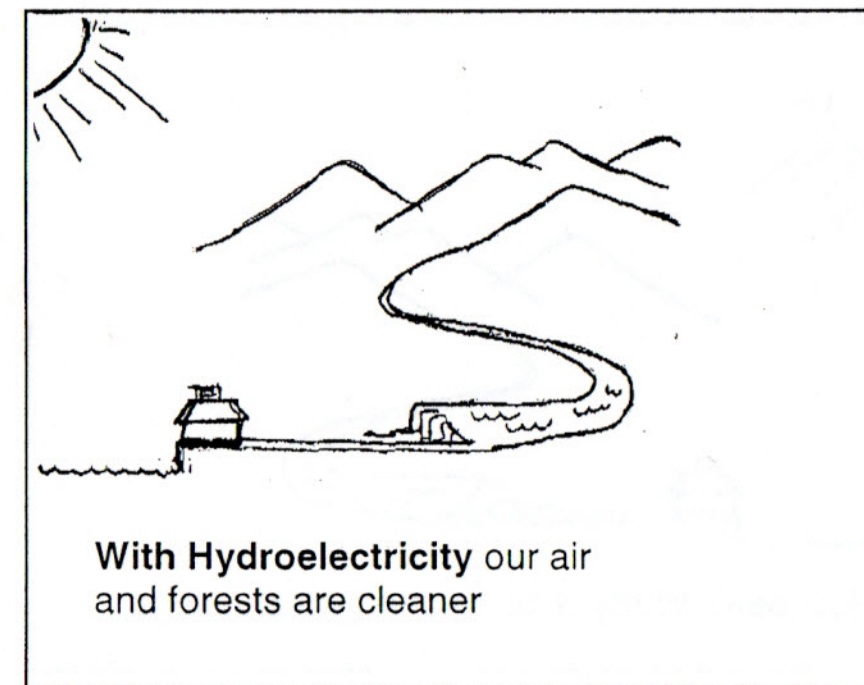
This hydroelectric station protects local water quality, soils and forests because it does not use fossil fuel as a power source. Water power is a carbon-free energy source that does not contribute to toxic acid rain.

Acid rain degrades the environment by depositing dangerous mercury into rivers that ends up in fish. Acid rain also changes the chemistry of soils and forests affecting maple trees, farming and the forest industry.

Therefore this carbon-free hydroelectric provider is contributing to the long-term environmental protection of Lisbon.

White Mountain Hydroelectric Protecting Critical Wildlife Habitats

Great Blue Heron, Brown Heron, hawks, migrating geese and ducks all use the millpond for fishing, safety and for raising their young. River otters, turkeys, deer, beaver, fox, turtles, frogs and fish develop stable communities in the mill pond. The mill pond's abundant plant life supports the biodiversity of the pond's ecosystem.



With Hydroelectricity our air and forests are cleaner

Cultural Legacy

Lisbon has successfully preserved its historical identity by supporting their connection with Lisbon's legacy of water powered industry. The mill pond, power canal and powerhouse exemplify this legacy. The original 1800's hand-cut, large granite stone arch, constructed without mortar, for the exit waters of the original power canal has been successfully incorporated into the overall preservation program. This early civil engineering work represents how granite was the choice in industrial building materials for water powered mills. This admirable vision of Lisbon adds value and builds community capital.