

Feb 28 - 1986

Middle School

NORMANSKILL HYDROELECTRIC PROJECT FACT SHEET

McKenzie
D.E.C.
426 sites - small hydro

1 - MW -
4,000
annexed to taxed

120 sq miles

\$50,000 feasibility
170/15%

THE SITE

The Watervliet Reservoir and Dam is located in Guilderland, New York on the Normans Kill.

The reservoir was created in 1914 by the City of Watervliet and supplies water to the City of Watervliet. The Westmere Water District purchases water from the City of Watervliet.

Hydropower has been used at the site by the City of Watervliet since 1916.

24,000 volts

BACKGROUND

The site was one of 40 selected nationwide by the U. S. Department of Energy for study for development of small scale hydroelectric generation.

This feasibility study co-sponsored by the U. S. Department of Energy, the New York State Energy Research & Development Authority and the City of Watervliet indicated excellent potential for further hydroelectric development.

THE PROJECT

The City of Watervliet proposes construction of a 1.0 megawatt hydroelectric plant. The facility will utilize the water that presently goes over the dam. The hydroelectric facility will use no water in storage for domestic consumption.

~~Most of the electric power will be used by the City of Watervliet and the remainder sold to Niagara Mohawk Power Corporation.~~

The project will cost \$1.7 million dollars and will save the City of Watervliet \$175,000 per year.

The City will pay additional County, Town, School District and Fire District taxes on the project.

The project will have no adverse environmental impact and will have a positive effect upon the fish population in the reservoir.

The facility will be sited underground and will occupy an area of approximately 1,000 square feet (the size of a small house).

The City has received a preliminary Federal Energy Regulatory Commission Permit and is in the process of applying for the Federal License.

The project will displace the equivalent of 8,000 barrels of foreign oil per year.

City Hall / 14 Water Street

2
3 mill

Advantage

12
6 1/2

5 1/2

6 1/2

product
8 million

→ -12' mill/gals day

14 - 1 1/2 mill - Dilled

- 4 mil - water

5 1/2