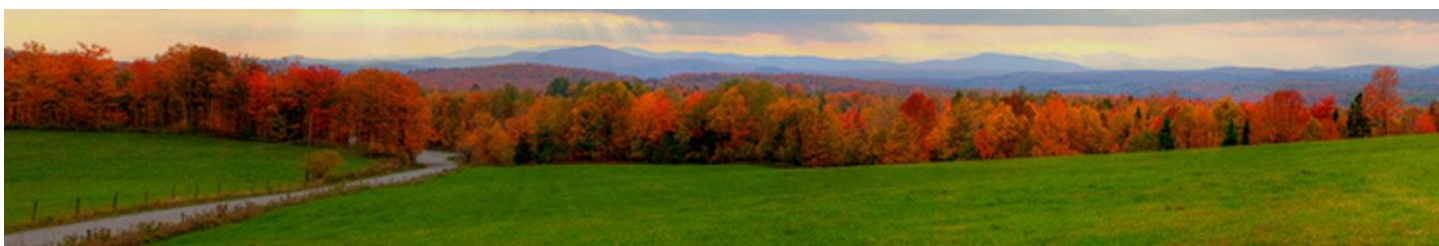

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Winooski One Hydro Plant



Winooski One is a 7.4 Mw hydroelectric generating station located in Winooski, Vermont, on the Winooski River as it flows between the cities of Burlington and Winooski.

The station consists of a refurbished spillway with a rubber dam abutting a historic timber crib dam.

A fish lift and riverside park have been constructed as part of the station.

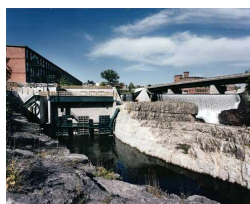
The flow of the Winooski River is directed into a

powerhouse with three identical double-regulated Kaplan turbines, which drive synchronous generators, allowing for a highly efficient run-of-river operation.

The average annual net output of 30 million kWh is fed directly into BED's distribution system.

Hydroelectric power is a clean, renewable energy source.

Photos



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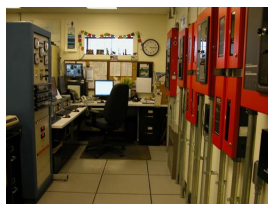
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click to enlarge images

About the Fishway

courtesy of WCAX News

Specifications

In-Service Date	4/1/93
Electric MW	7.4 MW (Net)
Generator	Ideal Electric Synchronous Generators Brushless DC exciters
Turbines	Sulzer Escher Wyss (Now Andritz) 3 - Bevel Gear Full Kaplan Bulb Turbines
Lifetime station availability for service	Exceeds 99.5% Average annual plant factor is 47%

Resource Type	Run of River Hydroelectric
Interconnection	13.8 kV Burlington Electric Department
Cooling Water System	Closed loop heat exchangers cooled by river flow
Plant Control	Westinghouse Circuit Breakers Andover Controls - Turbine and site automation

Rosalyn Hunneman



The plant is dedicated to **Rosalyn Hunneman** (1925-1999) who served on the Vermont Public Service Board for 13 years, in addition to many other public service positions. She was a leading advocate

of Vermont's renewable energy program.

Read more about Rosalyn Hunneman.

(<http://www.thecrimson.com/article/1997/6/2/alumna-demonstrates-the-utility-of-lifelong/>)

City of Burlington

(<http://www.burlingtonvt.gov/>)

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