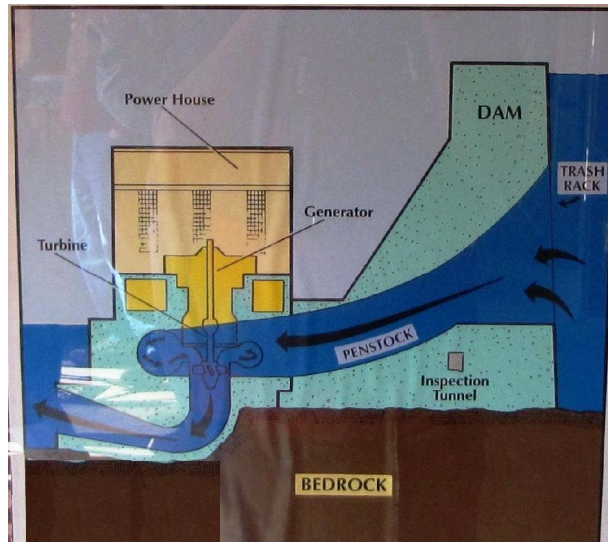


The Shepaug Hydroelectric Facility

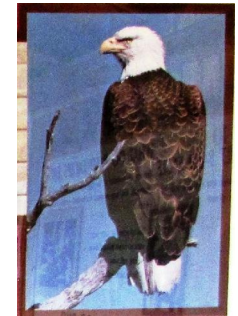
Imagine water pushing against a propeller and rotating a shaft that is attached to an electrical generator. That's what happens inside the Shepaug Hydroelectric Facility.

But, for these pieces (that weigh almost 750,000 pounds) to move, a lot of water is needed. Here that means 40,000 gallons, acting with the force of a 100 foot waterfall, pushing against the propeller, or turbine ... EVERY SECOND.



STATION SPECIFICS:

Plant Output:	43,000,000 watts
Number of Units:	One
Power Rating:	57,000 horsepower
Weight of Turbine:	1,300,000 pounds
Weight of Generator:	920,500 pounds
Speed of Unit:	138.5 revolutions per minute
Operated via computer link-up from 14 miles away	



That activity, in addition to serving the electrical needs of 20,000 residential customers, attracts the hungry Bald Eagle for two reasons:

- Waters below the station remain ice free
- Turbulence from the water flow, pushes fish to the surface

DAM SPECIFICS:

1,412 feet long
147 feet high
1 Intake Gate
5 Flow Control Gates
2 Flashboard Gates

Created Lake Lillinonah

- 14 miles long
- 3 square miles in area
- 35 miles of shoreline