

Article 18 – Wind Turbine Site



Land Exchange

The Energy Committee has been working on a Municipal Wind Turbine project since 2008.

They applied for a Wind Turbine Feasibility Study grant from the Mass Clean Energy Center.

The grant will not be awarded until a site has been secured for the Feasibility Study.

Wind Turbine Feasibility Grant

- The grant for the Feasibility Study will be approximately \$ 85,000.
- The best site is located on Conservation land.
- After analyzing several locations, a site on Carolina Hill was selected near the new water tank.

Turbine site



Access Road



Water Tank



Electrical Connection

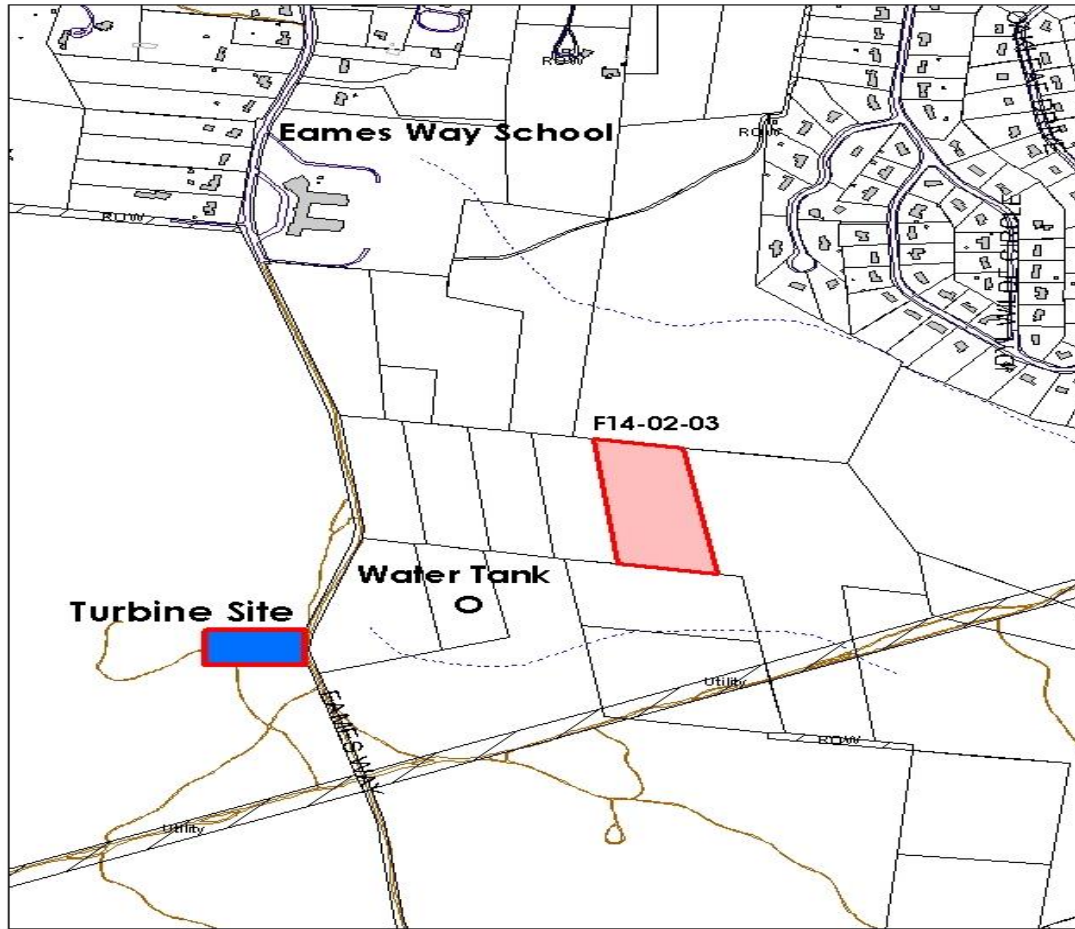


Land Exchange

This article proposes a land exchange between a 5.5 acre parcel (F14- 02-03) that was approved by voters last year for a DPW eminent domain taking with:

A 2 acre parcel of Conservation Land

The parcels are 1,500 feet apart on Carolina Hill



Advantages to the Site

- ✓ Higher elevation 259 feet
- ✓ Lower construction cost
- ✓ Fewer environmental impacts
- ✓ Closer to electrical connection point
- ✓ Exchanges a 5.5 acre DPW parcel for a 2 acre conservation parcel –more conservation land

Advantages to Site

- ✓ The exchanged parcel fills in a missing piece of the puzzle of conservation land – It is surrounded by Conservation land.
- ✓ Across from new water tank- existing municipal infrastructure.

We have determined this is the best site.

Article 19

If Article 18 is approved, the State legislature must vote to remove the conservation restrictions from the 2 acre parcel.

Article 19 authorizes the Selectmen to file a Home Rule Petition with the State Legislature

Article 22

This article approves \$ 5,500 for the required local match for the grant. As of this date we have not been awarded the grant for the Wind Turbine Feasibility study.

The \$85,000 state grant requires a local match.

The feasibility study will analyze the site for:

- ✓ Revenue potential
- ✓ Measure wind speed

Article 22

- ✓ Financial options: Ownership / management
- ✓ Potential noise impacts
- ✓ Potential flicker impacts
- ✓ Potential wild life impacts
- The Feasibility Study will take approximately one year.

Project Benefits

If the Feasibility Study indicates that this is a good site we will be back to present voters with an opportunity to approve a proposal for a wind turbine.

- ✓ Save Town money on Electricity Bills
- ✓ Generate CLEAN RENEWABLE ENERGY
- ✓ Do our part to reduce dependency on fossil fuel and take advantage of our wind resources.