Future Generation LLC

Massachusetts Wind Working Group March 30th, 2011

By

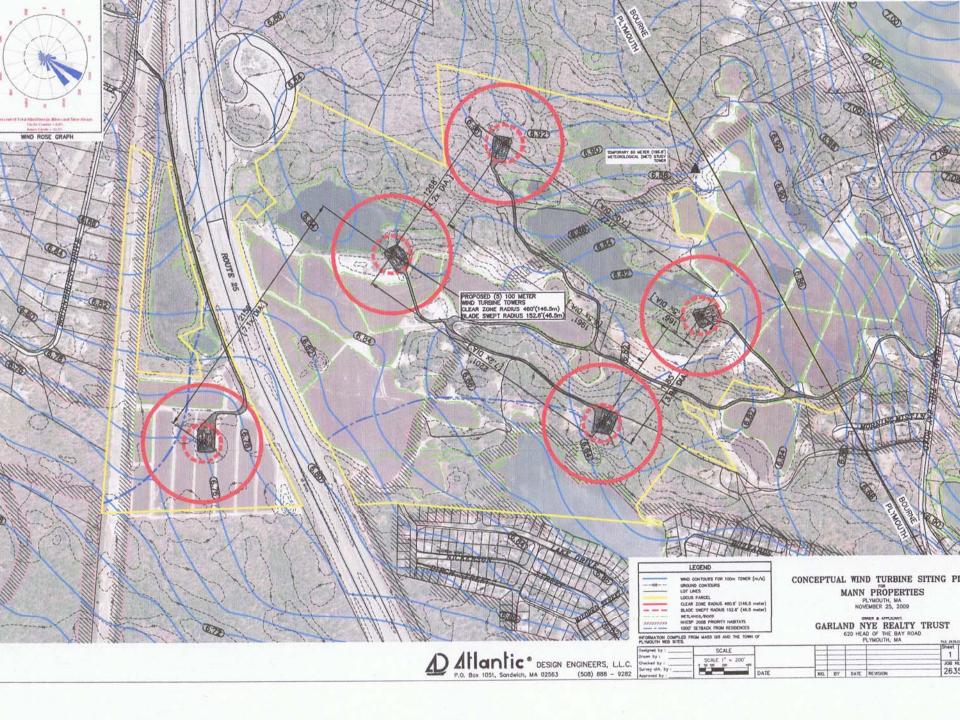
Keith Mann

Project Overview Combined effort of Property Owners

FGW - 10 MW Project on 380 Acre Farm

NGW – 17.5 MW Project on about 400Acres

Efficiencies of three property owners



Single largest Challenge... Local Permitting!

- Press Release
- Public Out Reach
- Community TV
- Small Group meetings
- Individual Meetings
- Town Hearings

Offers Made to the Neighborhood

- \$100 K Mitigation Escrow Account
- Noise Complaint Protocol
- Green Energy Rebates
- Investment Notes

FUTURE GENERATION WIND NOISE COMPLAINT PROTOCOL

Purpose: Upon receipt of a noise complaint from a concerned neighbor, to evaluate compliance of the wind energy facility (Facility) with the DEP's noise criteria. If an exceedance is identified, the response will include an evaluation of mitigation options that can bring the Facility into compliance with respect to the Residence. The criteria are provided by DAQC Policy 90-001 which includes an increase in the broadband sound level by more than 10 dBA above ambient or a pure tone condition.

Methodology/Protocol: Upon receipt of a complaint not previously addressed, the following scope of work will be performed:

- 1) Obtain receptor noise measurements at the Residence under appropriate conditions and over a sufficient period of time to establish daytime and nighttime Facility operational sound levels correlated to various wind speeds. Attended measurements will include a qualitative determination of whether or under what conditions the project sound dominates the ambient field.
- 2) If the Facility sound does not dominate the ambient field, then additional measurements will be made as technically appropriate to identify the Facility contribution to the receptor location sound field.
- 3) Compile and analyze the results of the field measurements and prepare a report that compares the measured levels to the appropriate Facility ambient baseline levels. The evaluation of compliance with the DEP criteria will be made at various wind speeds (including the wind speed at the time of the complaint) to determine Facility compliance with respect to the Residence.
- 4) If the report indicates that the Facility is not in compliance with respect to the Residence, the report will also identify appropriate mitigation measures that can bring the Facility into compliance.

Schedule:

- Complete within two (2) weeks of receipt of complaint field noise measurements with turbines operating.*
- Complete analysis and report within two (2) weeks of completion of all of the field measurements.

*The schedule is dependent on available conditions such as wind, weather, or other ambient sources that are necessary to complete the noise evaluation.

		Flick	er Zone		
	Α	20-30 H	Hrs /Yr	\$	500
	В	10-20 Hrs /Yr		\$	300
	С	0-10 H	Hrs /Yr	\$	100
	Non	prevaili	ing Wind Z	one	
		_	to 359 Deg		North
Zone	Distance	Zone \$	Value		20 Year
T 5				Cumr	mulitive Value
Α	1600	\$	750	\$	15,000
В	1700	\$	650	\$	13,000
С	1800	\$	550	\$	11,000
D	1900	\$	450	\$	9,000
E	2000	\$	350	\$	7,000
F	2100	\$	250	\$	5,000
G	2200	\$	150	\$	3,000
Н	2300	\$	50	\$	1,000
			own-Wind		
360 D	egrees Nor	th to 90	Degrees	:ast fr	rom Turbine
Zone	Distance	Zono d	2 Value		20 Year
T 5	טוסומווטט	Zone \$ Value		Cummulitive Value	
A	1600	\$	1,500	\$	30,000
В	1700	\$	1,300	\$	26,000
C	1800	\$	1,100	\$	22,000
D	1900	\$	900	\$	18,000
E	2000	\$	700	\$	14,000
F	2100	\$	500	\$	10,000
G	2200	\$	300	\$	6,000
Н	2300	\$	100	\$	2,000
- ''	2000	Ψ	100	Ψ	2,000
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Other Challenges... Mass DOER RFP

- Out of State, High Capacity Factors
- No accounting for distribution costs
- More efficient turbines not available in time for ITC Grant
- Need for Massachusetts Wind Developers Coalition?