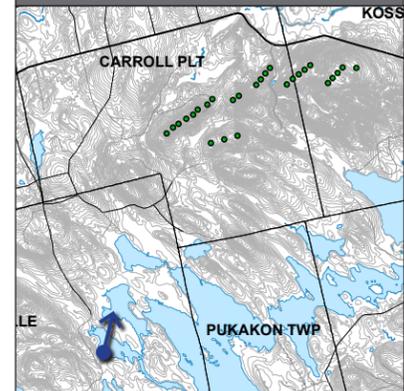




Existing Conditions Photograph



View Location Map



Simulation Information

Turbine Information	Model: Siemens SWT-2.3-101
	Hub height: 262'-6" (80 m)
	Rotor diameter: 331'-4" (101 m)
Photograph Information	Date and time: 5/5/10; 9:30 am
	Location: Bottle Lake (island in southwest cove of lake), Lakeville; 45.308° N, -68.063° W
	Camera elevation above sea level: 304' (92.7 m)
	Focal length (35mm equivalent): 56mm
	Simulation viewing distance: 11" (27.9 cm)
Technical Information	Distance to nearest visible turbine: 5.3 miles (8.5 km)
	Software: ArcGIS 3D Analyst; Nemetschek VectorWorks 2008; SketchUp Pro 7; Adobe Photoshop CS5
	Digital elevation data source: http://www.megis.maine.gov/catalog

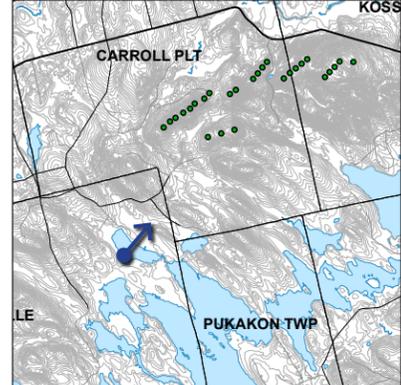
NOTES:
 1. This visual simulation is based on GIS data available at the time from MEGIS and First Wind. Data is only as accurate as the original source and is not guaranteed by LandWorks.



Existing Conditions Photograph



View Location Map



Simulation Information

Turbine Information	Model: Siemens SWT-2.3-101
	Hub height: 262'-6" (80 m)
	Rotor diameter: 331'-4" (101 m)
Photograph Information	Date and time: 6/16/10; 10:20 am
	Location: Duck Lake (just off southwestern shore), Lakeville; 45.339° N, -68.052° W
	Camera elevation above sea level: 302.5' (92.2 m)
	Focal length (35mm equivalent): 56mm
	Simulation viewing distance: 11" (27.9 cm)
Technical Information	Distance to nearest visible turbine: 3.1 miles (5.0 km)
	Software: ArcGIS 3D Analyst; Nemetschek VectorWorks 2008; SketchUp Pro 7; Adobe Photoshop CS5
	Digital elevation data source: http://www.megis.maine.gov/catalog

NOTES:

1. This visual simulation is based on GIS data available at the time from MEGIS and First Wind. Data is only as accurate as the original source and is not guaranteed by LandWorks.

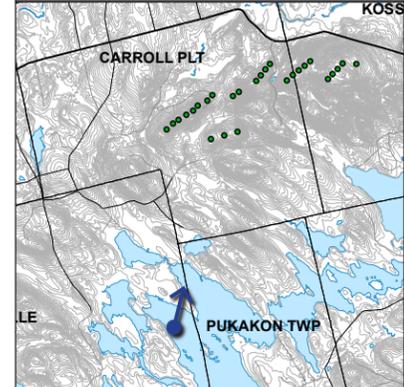
2. This simulation depicts visible impacts from associated facilities (e.g. access roads, collector line corridor, etc.) and clearing required to accommodate those facilities.



Existing Conditions Photograph



View Location Map



Simulation Information

Turbine Information	Model: Siemens SWT-2.3-101
	Hub height: 262'-6" (80 m)
	Rotor diameter: 331'-4" (101 m)
Photograph Information	Date and time: 5/5/10; 12:22 pm
	Location: Junior Lake (northwest portion, approx. 550' off western shore), Lakeville; 45.316° N, -68.031° W
	Camera elevation above sea level: 306' (93.3 m)
	Focal length (35mm equivalent): 56mm
	Simulation viewing distance: 11" (27.9 cm)
	Distance to nearest visible turbine: 4.4 miles (7.1 km)
Technical Information	Software: ArcGIS 3D Analyst; Nemetschek VectorWorks 2008; SketchUp Pro 7; Adobe Photoshop CS5
	Digital elevation data source: http://www.megis.maine.gov/catalog

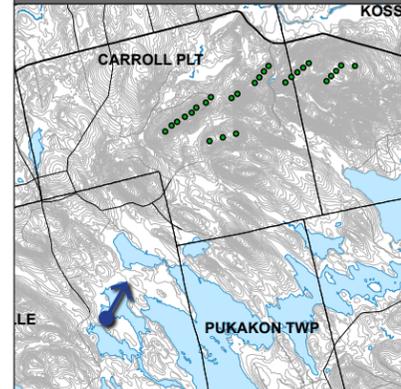
- NOTES:
1. This visual simulation is based on GIS data available at the time from MEGIS and First Wind. Data is only as accurate as the original source and is not guaranteed by LandWorks.
 2. This simulation depicts visible impacts from associated facilities (e.g. access roads, collector line corridor, etc.) and clearing required to accommodate those facilities.



Existing Conditions Photograph



View Location Map



Simulation Information

Turbine Information	Model: Siemens SWT-2.3-101
	Hub height: 262'-6" (80 m)
	Rotor diameter: 331'-4" (101 m)
Photograph Information	Date and time: 12/22/10; 10:30 am
	Location: Keg Lake (western cove), Lakeville; 45.318° N, -68.060° W
	Camera elevation above sea level: 304' (92.7 m)
	Focal length (35mm equivalent): Unknown
	Simulation viewing distance: Approximately 11" (27.9 cm)
Technical Information	Distance to nearest visible turbine: 4.6 miles (7.4 km)
	Software: ArcGIS 3D Analyst; Nemetschek VectorWorks 2008; SketchUp Pro 7; Adobe Photoshop CS5
	Digital elevation data source: http://www.megis.maine.gov/catalog

NOTES:

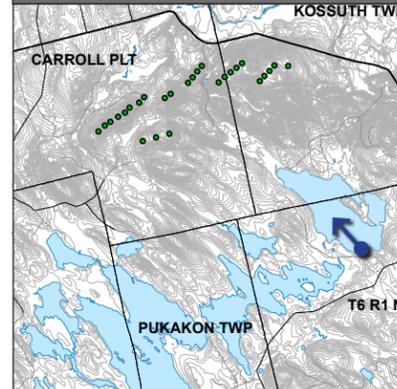
1. The photographs and field data used for this simulation were taken by Stantec, and a compact digital camera was utilized. As such, the scale and visibility of the turbines depicted is potentially less accurate and should be considered 'approximate'.
2. This visual simulation is based on GIS data available at the time from MEGIS and First Wind. Data is only as accurate as the original source and is not guaranteed by LandWorks.



Existing Conditions Photograph



View Location Map



Simulation Information

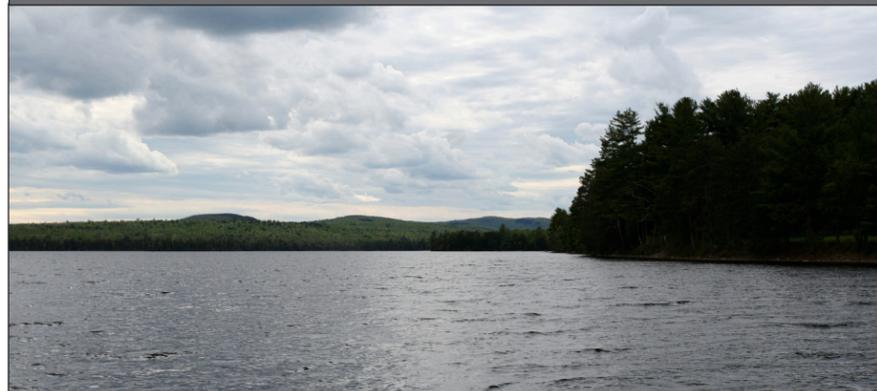
Turbine Information	Model: Siemens SWT-2.3-101
	Hub height: 262'-6" (80 m)
	Rotor diameter: 331'-4" (101 m)
Photograph Information	Date and time: 5/5/10; 3:20 pm
	Location: Pleasant Lake Boat Launch, T6 R1 NBPP; 45.340° N, -67.908° W
	Camera elevation above sea level: 324.5' (98.9 m)
	Focal length (35mm equivalent): 56mm
	Simulation viewing distance: 11" (27.9 cm)
Technical Information	Distance to nearest visible turbine: 4.6 miles (7.4 km)
	Software: ArcGIS 3D Analyst; Nemetschek VectorWorks 2008; SketchUp Pro 7; Adobe Photoshop CS5
	Digital elevation data source: http://www.megis.maine.gov/catalog

NOTES:

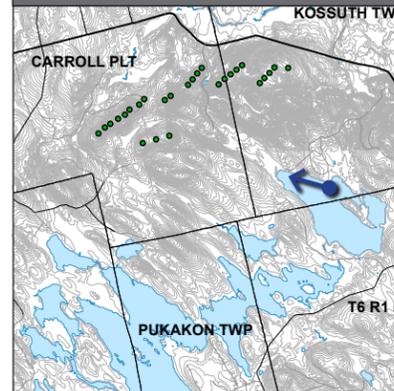
1. This visual simulation is based on GIS data available at the time from MEGIS and First Wind. Data is only as accurate as the original source and is not guaranteed by LandWorks.
2. This simulation depicts visible impacts from associated facilities (e.g. access roads, collector line corridor, etc.) and clearing required to accommodate those facilities.



Existing Conditions Photograph



View Location Map



Simulation Information

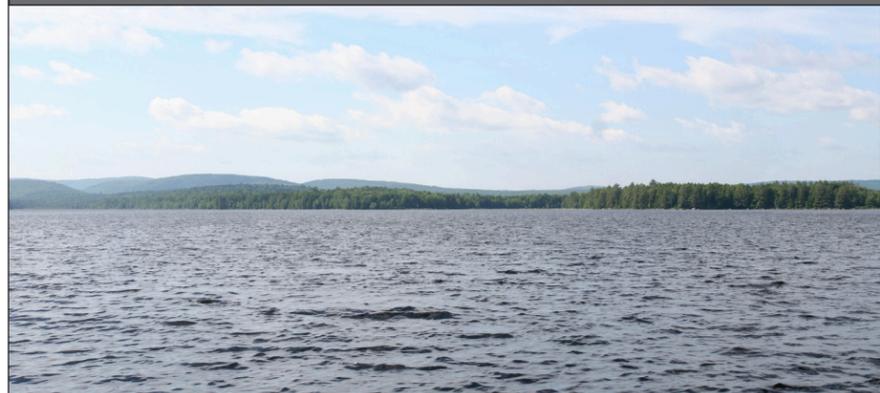
Turbine Information	Model: Siemens SWT-2.3-101
	Hub height: 262'-6" (80 m)
	Rotor diameter: 331'-4" (101 m)
Photograph Information	Date and time: 5/5/10; 3:50 pm
	Location: Pleasant Lake, less than 300' from shore of Maine Wilderness Camps; 45.364° N, -67.923° W
	Camera elevation above sea level: 324.5' (98.9 m)
	Focal length (35mm equivalent): 56mm
	Simulation viewing distance: 11" (27.9 cm)
	Distance to nearest visible turbine: 3.9 miles (6.3 km)
Technical Information	Software: ArcGIS 3D Analyst; Nemetschek VectorWorks 2008; SketchUp Pro 7; Adobe Photoshop CS5
	Digital elevation data source: http://www.megis.maine.gov/catalog

NOTES:

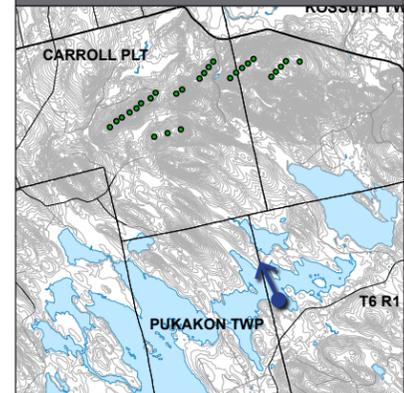
1. This visual simulation is based on GIS data available at the time from MEGIS and First Wind. Data is only as accurate as the original source and is not guaranteed by LandWorks.



Existing Conditions Photograph



View Location Map



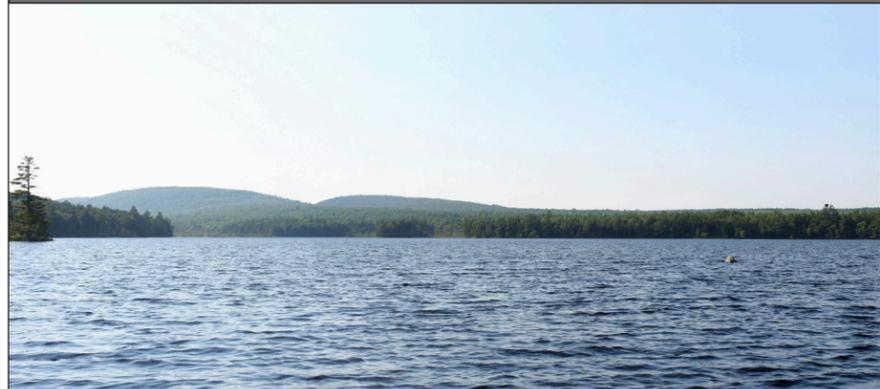
Simulation Information

Turbine Information	Model: Siemens SWT-2.3-101
	Hub height: 262'-6" (80 m)
	Rotor diameter: 331'-4" (101 m)
Photograph Information	Date and time: 6/17/10; 4:26 pm
	Location: Scraggly Lake (southwestern shore of Hasty Cove), T6 R1 NBPP; 45.322° N, -67.953° W
	Camera elevation above sea level: 304' (92.7 m)
	Focal length (35mm equivalent): 56mm
	Simulation viewing distance: 11" (27.9 cm)
	Distance to nearest visible turbine: 4.6 miles (7.4 km)
Technical Information	Software: ArcGIS 3D Analyst; Nemetschek VectorWorks 2008; SketchUp Pro 7; Adobe Photoshop CS5
	Digital elevation data source: http://www.megis.maine.gov/catalog

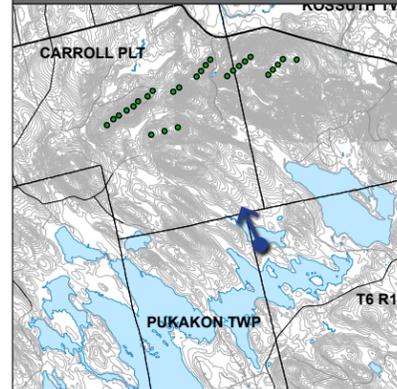
NOTES:
 1. This visual simulation is based on GIS data available at the time from MEGIS and First Wind. Data is only as accurate as the original source and is not guaranteed by LandWorks.



Existing Conditions Photograph



View Location Map



Simulation Information

Turbine Information	Model: Siemens SWT-2.3-101
	Hub height: 262'-6" (80 m)
	Rotor diameter: 331'-4" (101 m)
Photograph Information	Date and time: 6/17/10; 5:27 pm
	Location: Shaw Lake (southern shore), T6 R1 NBPP; 45.339° N, -67.958° W
	Camera elevation above sea level: 307' (93.6 m)
	Focal length (35mm equivalent): 56mm
	Simulation viewing distance: 11" (27.9 cm)
	Distance to nearest visible turbine: 3.5 miles (5.6 km)
Technical Information	Software: ArcGIS 3D Analyst; Nemetschek VectorWorks 2008; SketchUp Pro 7; Adobe Photoshop CS5
	Digital elevation data source: http://www.megis.maine.gov/catalog

NOTES:
 1. This visual simulation is based on GIS data available at the time from MEGIS and First Wind. Data is only as accurate as the original source and is not guaranteed by LandWorks.

From: Alex Wilson <alex@buildinggreen.com>
 Subject: **Re: Wind turbines and Junior, Scraggly and Grand Lake**
 Date: October 29, 2010 10:57:25 AM EDT
 To: David Raphael <davidr@landworksvt.com>
 Cc: Patrick Olstad <patricko@landworksvt.com>

Hi David,
 I apologize; must have missed your original message (I often only open messages from people I recognize unless the subject line grabs my attention--particularly when I'm doing a lot of traveling); thanks for being persistent!

I'll reply to your questions below.

Founder, BuildingGreen, LLC
 Brattleboro, VT 05301
 802-257-7300 ext. 106
<http://www.buildinggreen.com>
 Twitter: <http://twitter.com/atwilson>

On Oct 29, 2010, at 10:33 AM, David Raphael wrote:

Hi again Alex,

I am sending this again as I never heard back from you...just want a minute of your time...I could call you if that would be better for you.

Any input would be most welcome ...after all we paid good money for your book!

(we are also thinking about conducting some sort of user survey.)

Thanks in advance for your time and consideration,

David

Hi Alex;

I am a landscape architect in Middlebury working on a visual impact assessment for a wind project being proposed for Bowers Mountain, over 3 miles distant to the nearest points on Junior and Scraggly Lakes. I have reviewed your book *Quiet Water Maine* and note your descriptions of the paddling in these lakes.

If you have a moment I am curious about a couple of questions which you may be able to weigh in on given your knowledge of the area and perhaps those who travel to it or paddle on the lakes I have identified.

1) Do you have any idea about the number of users (paddlers in particular) in these lakes?

These are fairly wild lakes that probably get little visitation, but I don't have any data to back that up, and have only visited once or twice.

2) Do you think they expect a wilderness experience?

Those who do explore the area certainly appreciate the wilderness feel and would likely expect a wilderness experience.

3) Do you believe the paddler's or recreationists' experience will be undermined if they have visibility of 5 to 24 turbines from the lakes?

I am admittedly biased on this, since I am a strong advocate of wind power, even as I am a strong advocate of wilderness--and a life member of The Wilderness Society, trustee of The Nature Conservancy (VT), life member of the Sierra Club, etc. If I were paddling on Scraggly--a wonderful place where I've seen moose, bald eagles, and otters--and there were wind turbines on a ridge two or three miles away, that would not bother me at all. In fact, I would appreciate the fact that those wind turbines were responsible for keeping the crisp, clear air around me cleaner. As I wrote in a letter to the Appalachian Trail Conservancy a few years ago (when that organization took a strong stand opposing a wind farm that would be visible from the Appalachian Trail), I would much rather be able to see wind turbines on a distant (or even nearby) ridge than have my view of that ridge compromised by smog.

I cannot speak for others, but for me ridgetop windfarms are not incompatible with a wilderness experience. I do have concern, though, about potential impacts in cutting roads to access those windfarms. I'd like to see very strong standards in place and--if feasible--use of helicopters to deliver and erect turbines so that heavy equipment doesn't force the construction of wide access roads.

Any time you can give me, thoughts you would share or response would be greatly appreciated....and I'd be happy to call you if that would be preferable.

Hope this is helpful;

Cheers,

-Alex

Thank you in advance,

David

David Raphael, ASLA
 Landscape Architect + Planner, Principal

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 228 Maple Street, Suite 32 :: Middlebury, VT 05753
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Lecturer :: Rubenstein School of Environment + Natural Resources
 University of Vermont, Burlington