

Appendix D

WindPRO Visual Results

Project:

5247Windpro

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3/9/2011 11:44 AM / 1

Licensed user:

Meridian Associates, Inc.

152 Conant Street

US-BEVERLY, MA 01845

(978) 299 0447 x 214

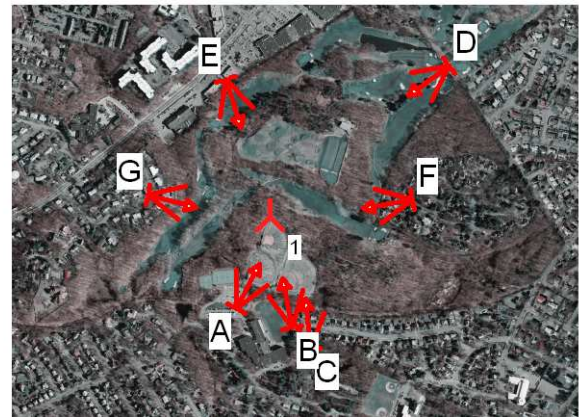
Diane Gagnon / dgagnon@meridianassoc.com

Calculated:

3/9/2011 11:21 AM/2.7.473

VISUAL - Main result**Calculation: 600 kW****WTG siting**

WTG type	Valid	Manufact.	Type-generator	Power, rated [kW]	Rotor diameter [m]	Hub height [m]	Distance to camera						
							A	B	C	D	E	F	G
1 New	Yes	TURBOWINDS	T600-48-600/120	600	48.0	60.0	258	297	363	619	384	378	330



Scale 1:20,000

New WTG

Camera

A Middle School Parking Lot

UTM-MAGNET Zone 18 East North - 2 Clouds Clear sky (0%) Landscape picture file: 3868 x 2976 pixels
 Eye point: 343,656 4,704,226 25.3 Visibility: Normal
 Target point: 343,656 4,704,226 25.3 Sun: Normal
 Photo dir: 227

B Ball Field

UTM-MAGNET Zone 18 East North - 2 Clouds Clear sky (0%) Landscape picture file: 3868 x 2976 pixels
 Eye point: 343,712 4,704,455 25.3 Visibility: Normal
 Target point: 343,656 4,704,226 25.3 Sun: Normal
 Photo dir: 227

C Laural Road

UTM-MAGNET Zone 18 East North - 2 Clouds Clear sky (0%) Landscape picture file: 3868 x 2976 pixels
 Eye point: 343,712 4,704,226 25.3 Visibility: Normal
 Target point: 343,656 4,704,226 25.3 Sun: Normal
 Photo dir: 227

D Salem Street

UTM-MAGNET Zone 18 East North - 2 Clouds Clear sky (0%) Landscape picture file: 3868 x 2976 pixels
 Eye point: 344,227 4,704,475 25.3 Visibility: Normal
 Target point: 343,656 4,704,226 25.3 Sun: Normal
 Photo dir: 227

E Route 1A

UTM-MAGNET Zone 18 East North - 2 Clouds Clear sky (0%) Landscape picture file: 3868 x 2976 pixels
 Eye point: 343,238 4,704,842 25.3 Visibility: Normal
 Target point: 343,656 4,704,226 25.3 Sun: Normal
 Photo dir: 227

F Davenport Drive

UTM-MAGNET Zone 18 East North - 2 Clouds Clear sky (0%) Landscape picture file: 3868 x 2976 pixels
 Eye point: 344,025 4,704,226 25.3 Visibility: Normal
 Target point: 343,656 4,704,226 25.3 Sun: Normal
 Photo dir: 227

G Parsons Drive

UTM-MAGNET Zone 18 East North - 2 Clouds Clear sky (0%) Landscape picture file: 3868 x 2976 pixels
 Eye point: 343,238 4,704,226 25.3 Visibility: Normal
 Target point: 343,656 4,704,226 25.3 Sun: Normal
 Photo dir: 227



Project:
5247Windpro

Valid	Manufact.	Type-generator	Power, rated [kW]	Rotor diameter [m]	Hub height [m]	Distance [m]		
1	New	Yes	TURBOWINDS	T600-48-600/120	600	48.0	60.0	258

Recommended observation distance: 20 cm

Photo exposed: 3/3/2011 4:12:00 PM
 Lens: 35 mm Film: 35x26 mm Pixels: 3968x2976
 Eye point: UTM NAD 83 Zone: 19 East: 343,566 North: 4,704,234
 Wind direction: 0° Direction of photo: 25°
 Camera: Middle School Parking Lot
 Photo: \\BEV-S1\\Server\\-\\5247\\images\\field photos\\2011-3-2\\ANGLE 1.jpg

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 Meridian Associates, Inc.
 152 Conant Street
 US-BEVERLY, MA 01845
 (978) 299 0447 x 214
 Diane Gagnon / dgagnon@meridianassoc.com



Project:	Valid	Manufact.	Type-generator	Power, rated [kW]	Rotor diameter [m]	Hub height [m]	Distance [m]
5247Windpro	1	New	Yes	TURBOWINDS	T600-48-600/120	600	48.0 60.0 297

Recommended observation distance: 20 cm

Photo exposed: 3/3/2011 4:21:00 PM

Lens: 35 mm Film: 35x26 mm Pixels: 3968x2976

Eye point: UTM NAD 83 Zone: 19 East: 343,712 North: 4,704,185

Wind direction: 0° Direction of photo: 348°

Camera: Ball Field

Photo: \\BEV-S1\\Server\\-\\5247\\images\\field photos\\2011-3-2\\ANGLE 2.jpg

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Project	Valid	Manufact.	Type-generator	Power, rated [kW]	Rotor diameter [m]	Hub height [m]	Distance [m]
5247Windpro	1	New	Yes	TURBOWINDS	T600-48-600/120	600	48.0
						60.0	363

Recommended observation distance: 20 cm

Photo exposed: 3/3/2011 4:23:00 PM

Lens: 35 mm Film: 35x26 mm Pixels: 3968x2976

Eye point: UTM NAD 83 Zone: 19 East: 343,761 North: 4,704,129

Wind direction: 0° Direction of photo: 353°

Camera: Laural Road

Photo: \\BEV-S1\\Server\\-\\5247\\images\\field photos\\2011-3-2\\ANGLE 3.jpg

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Project:	Valid	Manufact.	Type-generator	Power, rated	Rotor diameter	Hub height	Distance	Recommended observation distance: 20 cm		Created by:
5247Windpro				[kW]	[m]	[m]	[m]	Photo exposed: 3/8/2011 3:01:00 PM		Meridian Associates, Inc.
	1	New	Yes	TURBOWINDS	T600-48-600/120	600	48.0	60.0	619	Lens: 35 mm Film: 35x26 mm Pixels: 3968x2976
										Eye point: UTM NAD 83 Zone: 19 East: 344,127 North: 4,704,876
										Wind direction: 0° Direction of photo: 232°
										Camera: Salem Street
										Photo: \\BEV-S1\Server\~\5247\images\field photos\2011-3-8\Angle 3a.jpg

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Project	Valid	Manufact.	Type-generator	Power, rated [kW]	Rotor diameter [m]	Hub height [m]	Distance [m]		
5247Windpro	1	New	Yes	TURBOWINDS	T600-48-600/120	600	48.0	60.0	384

Recommended observation distance: 20 cm

Photo exposed: 3/3/2011 4:49:00 PM

Lens: 35 mm Film: 35x26 mm Pixels: 3968x2976

Eye point: UTM NAD 83 Zone: 19 East: 343,538 North: 4,704,841

Wind direction: 0° Direction of photo: 161°

Camera: Route 1A

Photo: \\BEV-S1\\Server\\-\\5247\\images\\field photos\\2011-3-2\\ANGLE 9.jpg

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Project:

5247Windpro

Valid Manufact.

Type-generator

Power,

rated

[kW]

Rotor

diameter

[m]

Hub

height

[m]

Distance

[m]

Valid	Manufact.	Type-generator	Power, rated [kW]	Rotor diameter [m]	Hub height [m]	Distance [m]		
1	New	Yes	TURBOWINDS	T600-48-600/120	600	48.0	60.0	378

Recommended observation distance: 20 cm

Photo exposed: 3/8/2011 3:09:00 PM

Lens: 35 mm Film: 35x26 mm Pixels: 3968x2976

Eye point: UTM NAD 83 Zone: 19 East: 344,030 North: 4,704,524

Wind direction: 0° Direction of photo: 258°

Camera: Davenport Drive

Photo: \\BEV-S1\\Server\\-\\5247\\images\\field photos\\2011-3-8\\Angle 2b.jpg

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Project:

5247Windpro

Valid	Manufact.	Type-generator	Power, rated [kW]	Rotor diameter [m]	Hub height [m]	Distance [m]	
1	New	Yes	TURBOWINDS	T600-48-600/120	600	48.0	60.0

Recommended observation distance: 20 cm

Photo exposed: 3/8/2011 3:21:00 PM

Lens: 35 mm Film: 35x26 mm Pixels: 3968x2976

Eye point: UTM NAD 83 Zone: 19 East: 343,331 North: 4,704,535

Wind direction: 0° Direction of photo: 102°

Camera: Parsons Drive

Photo: \\BEV-S1\\Server\\-\\5247\\images\\field photos\\2011-3-8\\Angle 1a.jpg

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Project:

5247Windpro

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Calculated:

3/9/2011 11:21 AM/2.7.473

VISUAL - Map

Calculation: 600 kW



0 50 100 150 200 m

Map: , Print scale 1:5,000, Map center UTM NAD 83 Zone: 19 East: 343,729 North: 4,704,502

New WTG

Camera

Project:

5247Windpro

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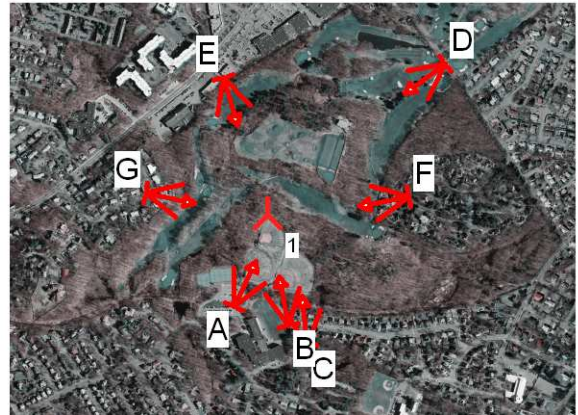
Diane Gagnon / dgagnon@meridianassoc.com

Calculated:

3/9/2011 11:33 AM/2.7.473

VISUAL - Main result**Calculation: 1.5MW****WTG siting**

WTG type	Valid	Manufact.	Type-generator	Power, rated [kW]	Rotor diameter [m]	Hub height [m]	Distance to camera						
							A	B	C	D	E	F	G
1 New	Yes	GE WIND ENERGY	GE 1.5sle-1,500	1,500	77.0	80.0	258	297	363	619	384	378	330



Scale 1:20,000

New WTG

Camera

A Middle School Parking Lot

UTM MGRS Zone: 18 East North 2 Clouds Clear sky (0%) Landscape picture file: 2008 x 2070 pixels
 Eye point: 343,656 4,764,229 25.3 Visibility Normal
 Target point: 343,656 4,764,229 25.3 Wind dir: 0°
 Photo dir: 222°

B Ball Field

UTM MGRS Zone: 18 East North 2 Clouds Clear sky (0%) Landscape picture file: 2008 x 2070 pixels
 Eye point: 343,712 4,764,485 26.2 Visibility Normal
 Target point: 343,656 4,764,229 25.3 Wind dir: 0°
 Photo dir: 222°

C Laural Road

UTM MGRS Zone: 18 East North 2 Clouds Clear sky (0%) Landscape picture file: 2008 x 2070 pixels
 Eye point: 343,782 4,764,229 25.7 Visibility Normal
 Target point: 343,782 4,764,229 25.7 Wind dir: 0°
 Photo dir: 222°

D Salem Street

UTM MGRS Zone: 18 East North 2 Clouds Clear sky (0%) Landscape picture file: 2008 x 2070 pixels
 Eye point: 344,117 4,764,676 26.1 Visibility Normal
 Target point: 343,656 4,764,229 25.3 Wind dir: 0°
 Photo dir: 222°

E Route 1A

UTM MGRS Zone: 18 East North 2 Clouds Clear sky (0%) Landscape picture file: 2008 x 2070 pixels
 Eye point: 343,236 4,764,841 25.7 Visibility Normal
 Target point: 343,656 4,764,229 25.3 Wind dir: 0°
 Photo dir: 222°

F Davenport Drive

UTM MGRS Zone: 18 East North 2 Clouds Clear sky (0%) Landscape picture file: 2008 x 2070 pixels
 Eye point: 344,025 4,764,224 26.1 Visibility Normal
 Target point: 343,656 4,764,229 25.3 Wind dir: 0°
 Photo dir: 222°

G Parsons Drive

UTM MGRS Zone: 18 East North 2 Clouds Clear sky (0%) Landscape picture file: 2008 x 2070 pixels
 Eye point: 343,656 4,764,229 25.3 Visibility Normal
 Target point: 343,656 4,764,229 25.3 Wind dir: 0°
 Photo dir: 222°



Project:	Valid	Manufact.	Type-generator	Power, rated [kW]	Rotor diameter [m]	Hub height [m]	Distance [m]	Recommended observation distance: 20 cm
5247Windpro	1 New	Yes	GE WIND ENERGY	GE 1.5sle-1,500	1,500	77.0	80.0	258

Photo exposed: 3/3/2011 4:12:00 PM
 Lens: 35 mm Film: 35x26 mm Pixels: 3968x2976
 Eye point: UTM NAD 83 Zone: 19 East: 343,566 North: 4,704,234
 Wind direction: 0° Direction of photo: 25°
 Camera: Middle School Parking Lot
 Photo: \\BEV-S1\\Server\\-\\5247\\images\\field photos\\2011-3-2\\ANGLE 1.jpg

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Project:	Valid	Manufact.	Type-generator	Power, rated [kW]	Rotor diameter [m]	Hub height [m]	Distance [m]
5247Windpro	1 New	Yes	GE WIND ENERGY GE 1.5sle-1,500	1,500	77.0	80.0	297

Recommended observation distance: 20 cm

Photo exposed: 3/3/2011 4:21:00 PM

Lens: 35 mm Film: 35x26 mm Pixels: 3968x2976

Eye point: UTM NAD 83 Zone: 19 East: 343,712 North: 4,704,185

Wind direction: 0° Direction of photo: 348°

Camera: Ball Field

Photo: \\BEV-S1\\Server\\-\\5247\\images\\field photos\\2011-3-2\\ANGLE 2.jpg

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Project:
5247Windpro

Valid	Manufact.	Type-generator	Power, rated [kW]	Rotor diameter [m]	Hub height [m]	Distance [m]		
1	New	Yes	GE WIND ENERGY	GE 1.5sle-1,500	1,500	77.0	80.0	363

Recommended observation distance: 20 cm

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Lens: 35 mm Film: 35x26 mm Pixels: 3968x2976

Eye point: UTM NAD 83 Zone: 19 East: 343,761 North: 4,704,129

Wind direction: 0° Direction of photo: 353°

Camera: Laural Road

Photo: \\BEV-S1\\Server\\-\\5247\\images\\field photos\\2011-3-2\\ANGLE 3.jpg

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Project:	Valid	Manufact.	Type-generator	Power, rated [kW]	Rotor diameter [m]	Hub height [m]	Distance [m]
5247Windpro	1	New	Yes	GE WIND ENERGY	GE 1.5sle-1,500	1,500	77.0
						80.0	619

Recommended observation distance: 20 cm

Photo exposed: 3/8/2011 3:01:00 PM

Lens: 35 mm Film: 35x26 mm Pixels: 3968x2976

Eye point: UTM NAD 83 Zone: 19 East: 344,127 North: 4,704,876

Wind direction: 0° Direction of photo: 232°

Camera: Salem Street

Photo: \\BEV-S1\Server\~\5247\images\field photos\2011-3-8\Angle 3a.jpg

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Project:

5247Windpro

Valid Manufact.

Type-generator

Power,
rated
[kW]Rotor
diameter
[m]Hub
height
[m]Distance
[m]**Recommended observation distance: 20 cm**

Photo exposed: 3/3/2011 4:49:00 PM

Lens: 35 mm Film: 35x26 mm Pixels: 3968x2976

Eye point: UTM NAD 83 Zone: 19 East: 343,538 North: 4,704,841

Wind direction: 0° Direction of photo: 161°

Camera: Route 1A

Photo: \\BEV-S1\\Server\\-\\5247\\images\\field photos\\2011-3-2\\ANGLE 9.jpg

Created by:

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(978) 299 0447 x 214

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Project:	Valid	Manufact.	Type-generator	Power, rated [kW]	Rotor diameter [m]	Hub height [m]	Distance [m]
5247Windpro	1 New	Yes	GE WIND ENERGY GE 1.5sle-1,500	1,500	77.0	80.0	378

Recommended observation distance: 20 cm

Photo exposed: 3/8/2011 3:09:00 PM
 Lens: 35 mm Film: 35x26 mm Pixels: 3968x2976
 Eye point: UTM NAD 83 Zone: 19 East: 344,030 North: 4,704,524
 Wind direction: 0° Direction of photo: 258°
 Camera: Davenport Drive
 Photo: \\BEV-S1\\Server\\-\\5247\\images\\field photos\\2011-3-8\\Angle 2b.jpg

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Project:
5247Windpro

Valid	Manufact.	Type-generator	Power, rated [kW]	Rotor diameter [m]	Hub height [m]	Distance [m]
1 New	Yes	GE WIND ENERGY GE 1.5sle-1,500	1,500	77.0	80.0	330

Recommended observation distance: 20 cm

Photo exposed: 3/8/2011 3:21:00 PM

Lens: 35 mm Film: 35x26 mm Pixels: 3968x2976

Eye point: UTM NAD 83 Zone: 19 East: 343,331 North: 4,704,535

Wind direction: 0° Direction of photo: 102°

Camera: Parsons Drive

Photo: \\BEV-S1\Server\5247\images\field photos\2011-3-8\Angle 1a.jpg

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Project:

5247Windpro

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Diane Gagnon / dgagnon@meridianassoc.com

Calculated:

3/9/2011 11:33 AM/2.7.473

VISUAL - Map

Calculation: 1.5MW



0 50 100 150 200 m

Map: , Print scale 1:5,000, Map center UTM NAD 83 Zone: 19 East: 343,729 North: 4,704,502

New WTG

Camera