



March 26, 2009

**HAND DELIVERY**

Mrs. Susan M. Hudson, Clerk  
Vermont Public Service Board  
Drawer 20, 112 State Street  
Montpelier, VT 05620-2701

**RE: Georgia Mountain Community Wind, LLC  
Certificate of Public Good – Section 248 Permit Application**

Dear Mrs. Hudson:

With this letter, Georgia Mountain Community Wind, LLC (“GMCW”) respectfully submits a petition, prefiled testimony and exhibits in support of GMCW’s request, pursuant to Section 248 of Title 30, Vermont Statutes Annotated, and Public Service Board (“Board”) Rule 5.400, for a Certificate of Public Good (“CPG”) to construct the so-called Georgia Mountain Community Wind Project, a proposed 5 wind turbine electric generation facility to be sited on Georgia Mountain in the Towns of Milton and Georgia, Vermont (the “Project”).

**The Project**

GMCW is a Vermont company owned by the Harrison family of Georgia, Vermont. The Project will be located on a portion of the 700+/- acres of private land on Georgia Mountain in Milton owned by the Harrison family, and a smaller portion of the 445+/- acres of private land in Georgia owned by Green Crow, LLC, a forest products company. Georgia Mountain is currently the site of a telecommunications tower located at the southern end of Georgia Mountain, as well as the temporary meteorological tower installed in 2006 for this Project. Arrowhead Lake, located at the western foot of Georgia Mountain, is the site of an existing hydroelectric generation station and dam.

GMCW has determined that it can site 3 to 5 wind turbines at the Project site, and is seeking Board approval to construct and operate 5 turbines. All of the Project resource analyses required under 30 V.S.A. § 248, assume a 5 turbine project. The quantity and model of the wind turbines will be determined closer to the anticipated construction period, as a result of a formal wind turbine solicitation process initiated in January 2009. Based upon wind turbines expected to be available in the 2010 market when GMCW expects to purchase them, it is anticipated the wind

turbines will be megawatt-scale, three-bladed rotor, and horizontal axis turbines with an electrical nameplate rating of between 1.5 and 3.0 megawatts each. The lower the rated turbine, the more that could be installed in the space available while the higher the rated turbine, the fewer that would be used. A typical wind turbine of the type and electrical rating proposed for GMCW have rotor diameters between 75 to 90 meters (246 to 295 ft.). The three-bladed rotors are arranged in an upwind configuration, attached at the hub to a generator and gearbox housed in an enclosure called a "nacelle." The nacelle sits on a columnar tower through which service access is gained and electrical and communication cables are run to its base. Tower heights or "hub-height" range from 70 to 90 meters (230 to 328 ft.). Thus the physical dimensions for GMCW wind turbines could be as large as 90 meter rotors on 90 meter towers, for a total height at the tip of the rotor blades in their highest position at approximately 135 meters (443 ft.), and three or five wind turbines would be used. The wind turbines chosen for this Project will be painted a neutral off-white color. Five wind turbines, representing the largest possible "footprint" are being assumed for assessing Project impacts.

Access to the wind turbines will be approximately 2.2 miles of new and upgraded service road entirely within the Harrison property and connect the wind turbine site with Westford Road (Milton State Aid Town Highway 2) at the southern base of Georgia Mountain. A new 34 kV electric collection line will carry power from the transformers at the wind turbines to a Point of Interconnection at the Husky Injection Molding facility entrance along Milton town highway (TH-5) North Road. The electric collection line from the wind turbines to the public road will be entirely on Harrison lands. Central Vermont Public Service Corporation ("CVPS") is the owner of the nearby existing 34.5 kV sub-transmission line and is the interconnecting utility.

#### **Anticipated Project Schedule**

Currently, the schedule contemplates receipt of all required approvals, including a Certificate of Public Good approving construction of the Project, by the end of 2009, with construction completed by the end of 2010.

#### **Request for Prehearing Conference**

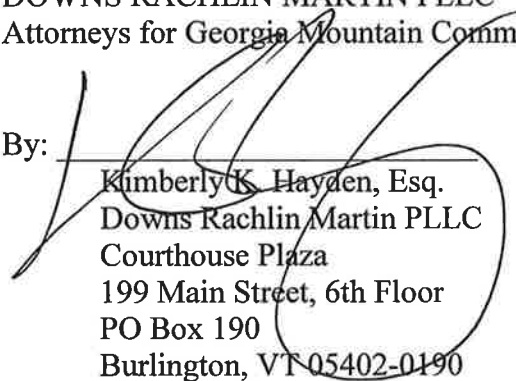
Petitioners respectfully request the Board to hold a prehearing conference on this matter on or by April 20, 2009.



Thank you in advance for your attention to this matter, and please do not hesitate to contact me should you have any questions.

Sincerely,

DOWNS RACHLIN MARTIN PLLC  
Attorneys for Georgia Mountain Community Wind, LLC

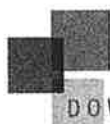
By: 

Kimberly K. Hayden, Esq.  
Downs Rachlin Martin PLLC  
Courthouse Plaza  
199 Main Street, 6th Floor  
PO Box 190  
Burlington, VT 05402-0190

Enclosures

cc: James W. Harrison

3025008.1



DOWNS RACHLIN MARTIN PLLC

**STATE OF VERMONT  
PUBLIC SERVICE BOARD**

Petition of Georgia Mountain Community Wind, )  
LLC for a Certificate of Public Good, pursuant )  
to 30 V.S.A. § 248, authorizing the construction )  
and operation of a 5 wind turbine electric )  
generation facility with associated electric )  
collection and interconnection facilities on )  
Georgia Mountain, in the Towns of Milton and )  
Georgia, Vermont, to be known as the "Georgia )  
Mountain Community Wind Project" )

Docket No. \_\_\_\_

**PETITION FOR CERTIFICATE OF PUBLIC GOOD**

NOW COMES Georgia Mountain Community Wind, LLC ("GMCW"), and file this Petition, pursuant to 30 V.S.A. § 248 and Public Service Board ("Board") Rule 5.400, requesting the Board to issue a Certificate of Public Good for the so-called Georgia Mountain Community Wind Project ("GMCW Project" or "Project").

By this Petition, the GMCW represent as follows:

1. GMCW is a Vermont limited liability company owned and operated by James Harrison and his family, with a principal address at Harrison Concrete, P.O. Box 2098, Milton, VT 05468-2098.
2. GMCW has developed a project plan to build and operate a 3-5 wind turbine electric generation facility on Georgia Mountain in the Towns of Milton and Georgia, Vermont (the Project"), which will be located on a portion of the 700+/- acres of private land on Georgia Mountain in Milton owned by the Harrison family, and a smaller portion of the 445+/- acres of private land in Georgia owned by Green Crow, LLC, a forest products company.
3. Georgia Mountain is currently the site of a telecommunications tower located at the southern end of Georgia Mountain, as well as the temporary meteorological tower installed in 2006 for this Project.

4. The wind turbines of GMCW will be installed on a  $\frac{3}{4}$ -mile section of ridgeline along Georgia Mountain between 1320 ft. and 1420 ft. above sea level. The quantity and model of the wind turbines will be determined closer to the anticipated construction period, as a result of a formal wind turbine solicitation process initiated in January 2009. It is anticipated the wind turbines will be megawatt-scale, three-bladed rotor, and horizontal axis turbines with an electrical nameplate rating of between 1.5 and 3.0 megawatts each.

5. Tower heights or "hub-height" are expected to range from 70 to 90 meters (230 to 328 ft.), such that the physical dimensions for GMCW wind turbines could be as large as 90 meter rotors on 90 meter towers, for a total height at the tip of the rotor blades in their highest position at approximately 135 meters (443 ft.).

6. Access to the wind turbines will be approximately 2.2 miles of new and upgraded service road entirely within the Harrison property and connect the wind turbine site with Westford Road (Milton State Aid Town Highway 2) at the southern base of Georgia Mountain. A maintenance/control building will be constructed in the area where the new road leaves the existing cell tower road.

7. A new 34 kV electric collection line will carry power from the transformers at the wind turbines to a Point of Interconnection at the Husky Injection Molding facility entrance along Milton town highway (TH-5) North Road.

8. GMCW submits this petition seeking authorization pursuant to 30 V.S.A. § 248 to construct and operate a 5 wind turbine electric generation facility on Georgia Mountain in the Towns of Milton and Georgia, Vermont, in accordance with the plans and evidence submitted herewith.

9. In support of this petition, GMCW submits testimony and exhibits that address each of the Section 248(b) criteria.

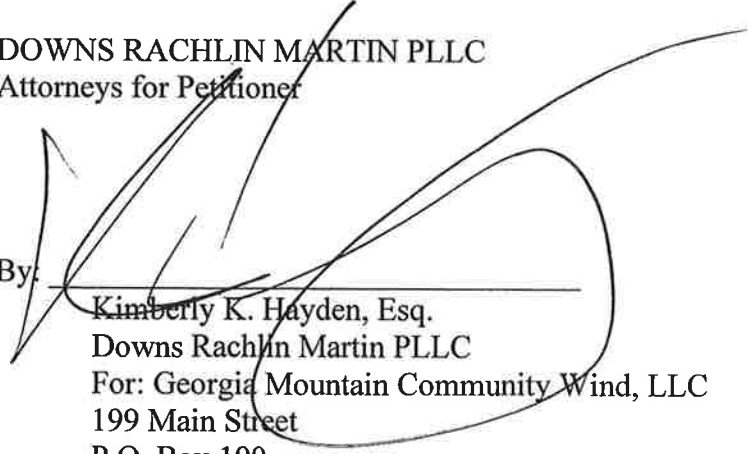
**Request for Relief**

WHEREFORE, GMCW respectfully request this Board to:

- A. Hold a prehearing conference as expeditiously as possible, on or before April 20, 2009, on the Petition;
- B. Hold technical hearings as the Board determines are necessary, no later than late Fall, 2009;
- C. Make findings as required by 30 V.S.A. § 248 finding that GMCW shall be authorized to construct and operate a 5 wind turbine electric generation facility on Georgia Mountain in the Towns of Milton and Georgia, Vermont, and that the Project will promote the general good of the State of Vermont, and authorize GMCW to undertake the actions described herein and in the attached testimony and exhibits and issue a Certificate of Public Good to that effect; and
- D. Take such other action as may be required for the expeditious review of this Petition.

DATED at Burlington, Vermont, this 26th day of March, 2009.

DOWNS RACHLIN MARTIN PLLC  
Attorneys for Petitioner

By: 

Kimberly K. Hayden, Esq.  
Downs Rachlin Martin PLLC  
For: Georgia Mountain Community Wind, LLC  
199 Main Street  
P.O. Box 190  
Burlington, VT 05401-0190

# **TABLE OF CONTENTS**

## **PETITIONER'S TESTIMONY & EXHIBITS**

### **PREFILED TESTIMONY VOLUME**

#### **Witnesses**

1. James Harrison (Georgia Mountain Community Wind, LLC)
2. John L. Zimmerman (Vermont Environmental Research Associates)
3. Peter H. Cross, P.E. (Cross Consulting Engineers, PC)
4. Richard W. Heaps (Northern Economic Consulting, Inc.)
5. David Raphael (Landworks)
6. Liz Pritchett (Liz Pritchett Associates)
7. Kenneth H. Kaliski, P.E. (Resource Systems Group)
8. Michael Lew-Smith (Arrowwood Environmental)
9. Rosalind B. Renfrew, PhD (Vermont Center for Ecostudies)
10. Jeff Gruver (Western EcoSystems Technology, Inc.)
11. Adam J. Gravel (Stantec Consulting)
12. Charles Knight, PhD (University of Vermont Consulting Archaeology Program)

### **EXHIBIT VOLUME**

#### **Exhibits of James Harrison**

|                         |                    |
|-------------------------|--------------------|
| Exhibit Petitioner JH-1 | 45-Day Letter      |
| Exhibit Petitioner JH-2 | Letters of Support |

#### **Exhibits of John L. Zimmerman**

|                          |                                |
|--------------------------|--------------------------------|
| Exhibit Petitioner JLZ-1 | Resumé of John L. Zimmerman    |
| Exhibit Petitioner JLZ-2 | Typical Wind Turbine Schematic |
| Exhibit Petitioner JLZ-3 | Project Simulations            |

#### **Exhibits of Peter Cross, P.E.**

|                         |                       |
|-------------------------|-----------------------|
| Exhibit Petitioner PC-1 | Resumé of Peter Cross |
|-------------------------|-----------------------|

The following Peter Cross Exhibits (PC-2-PC-19) are oversized and are included with this filing, but are not in the exhibits binder:

|                         |                                             |
|-------------------------|---------------------------------------------|
| Exhibit Petitioner PC-2 | Drawing C-1 Overall Site Plan               |
| Exhibit Petitioner PC-3 | Drawing C-2 Main Access Road Plan & Profile |
| Exhibit Petitioner PC-4 | Drawing C-3 Main Access Road Plan & Profile |

|                          |                                             |
|--------------------------|---------------------------------------------|
| Exhibit Petitioner PC-5  | Drawing C-4 Main Access Road Plan & Profile |
| Exhibit Petitioner PC-6  | Drawing C-5 Main Access Road Plan & Profile |
| Exhibit Petitioner PC-7  | Drawing C-6 Main Access Road Plan & Profile |
| Exhibit Petitioner PC-8  | Drawing C-7 Main Access Road Plan & Profile |
| Exhibit Petitioner PC-9  | Drawing C-8 Access Road 2 Plan & Profile    |
| Exhibit Petitioner PC-10 | Drawing C-9 Access Road 2 Plan & Profile    |
| Exhibit Petitioner PC-11 | Drawing C-10 Access Road 2 Plan & Profile   |
| Exhibit Petitioner PC-12 | Drawing C-11 Access Road 3 Plan & Profile   |
| Exhibit Petitioner PC-13 | Drawing C-12 Detention Pond 1               |
| Exhibit Petitioner PC-14 | Drawing C-13 Detention Pond 2               |
| Exhibit Petitioner PC-15 | Drawing C-14 Detention Pond 3               |
| Exhibit Petitioner PC-16 | Drawing C-15 Erosion Control Plan           |
| Exhibit Petitioner PC-17 | Drawing C-16 Erosion Control Plan           |
| Exhibit Petitioner PC-18 | Drawing C-17 Erosion Control Plan           |
| Exhibit Petitioner PC-19 | Drawing C-18 Details                        |

### **Exhibits of Richard W. Heaps**

|                          |                           |
|--------------------------|---------------------------|
| Exhibit Petitioner RWH-1 | Resumé of Richard Heaps   |
| Exhibit Petitioner RWH-2 | Economic Benefit Analysis |

### **Exhibits of David Raphael**

|                         |                         |
|-------------------------|-------------------------|
| Exhibit Petitioner DR-1 | Resumé of David Raphael |
| Exhibit Petitioner DR-2 | Visual Report           |

### **Exhibits of Liz Pritchett**

|                         |                                      |
|-------------------------|--------------------------------------|
| Exhibit Petitioner LP-1 | Resumé of Liz Pritchett              |
| Exhibit Petitioner LP-2 | Historic Buildings Evaluation Report |

### **Exhibits of Kenneth H. Kaliski, P.E.**

|                          |                                    |
|--------------------------|------------------------------------|
| Exhibit Petitioner KHK-1 | Resumé of Kenneth H. Kaliski, P.E. |
| Exhibit Petitioner KHK-2 | Noise Impact Study                 |

### **Exhibits of Michael Lew-Smith**

|                         |                             |
|-------------------------|-----------------------------|
| Exhibit Petitioner AE-1 | Resumé of Michael Lew-Smith |
| Exhibit Petitioner AE-2 | Environmental Report        |

### **Exhibits of Rosalind B. Renfrew, Ph.D.**

|                          |                                    |
|--------------------------|------------------------------------|
| Exhibit Petitioner RBR-1 | Resumé of Rosalind B. Renfrew, PhD |
| Exhibit Petitioner RBR-2 | Breeding Bird Report               |

## **Exhibits of Jeff Gruver**

|                         |                             |
|-------------------------|-----------------------------|
| Exhibit Petitioner JG-1 | Resumé of Jeff Gruver       |
| Exhibit Petitioner JG-2 | Bat Acoustic Studies Report |

## **Exhibits of Adam Gravel**

|                         |                                                |
|-------------------------|------------------------------------------------|
| Exhibit Petitioner AG-1 | Resumé of Adam Gravel                          |
| Exhibit Petitioner AG-2 | Fall 2008 Bird and Bat Migration Survey Report |

## **Exhibits of Charles Knight, Ph.D.**

|                         |                                     |
|-------------------------|-------------------------------------|
| Exhibit Petitioner CK-1 | Resumé of Charles Knight, Ph.D.     |
| Exhibit Petitioner CK-2 | Archaeological Resources Assessment |

3016245.1

**STATE OF VERMONT  
PUBLIC SERVICE BOARD**

Petition of Georgia Mountain Community Wind, )  
LLC for a Certificate of Public Good, pursuant )  
to 30 V.S.A. § 248, authorizing the construction )  
and operation of a 5 wind turbine electric )  
generation facility with associated electric )  
collection and interconnection facilities on )  
Georgia Mountain, in the Towns of Milton and )  
Georgia, Vermont, to be known as the "Georgia )  
Mountain Community Wind Project"

Docket No. \_\_\_\_\_

**CERTIFICATE OF SERVICE**

I hereby certify that on 26th day of March, 2009, the Petition for Certificate of Public Good, Prefiled Testimony and Exhibits for the Georgia Mountain Community Wind Project were sent by personal delivery, Federal Express Ground or by U.S. Mail to the following:

Susan M. Hudson, Clerk  
Vermont Public Service Board  
Drawer 20, Chittenden Bank Building  
112 State Street  
Montpelier, VT 05620-2701

Sarah D. Hofmann, Esq.  
Director, Public Advocacy Division  
Vermont Department of Public Service  
Drawer 20, Chittenden Bank Building  
112 State Street  
Montpelier, VT 05620-2601

Warren T. Coleman  
General Counsel  
Vermont Agency of Natural Resources  
103 South Main Street, Center Building  
Montpelier, VT 05620

John W. Kessler, Esq.  
ANR/VT Division for Historic Preservation  
1 National Life Drive  
North Lobby, 6<sup>th</sup> Floor  
Montpelier, VT 05620-0501

Kevin Dorn  
Secretary of the Agency of Commerce and  
Community Development  
National Life Building North, Drawer 20  
Montpelier, VT 05620

Attorney General William H. Sorrell  
Vermont Attorney General's Office  
109 State Street  
Montpelier, VT 05609-1001

Bill Shuttleworth, Executive Director  
Vermont Telecommunications Authority  
One National Life Drive  
National Life Records Center Building  
Montpelier, VT 05620-3205

Betsey Bishop  
Vermont State Planning Office  
c/o Office of the Governor  
109 State Street  
Montpelier, VT 05609

David Dill, Secretary of Transportation  
Vermont Agency of Transportation  
One National Life Drive  
Montpelier, VT 05633-5001

Roger Allbee, Secretary of Agriculture  
Vermont Agency of Agriculture  
116 State Street, Drawer 33  
Montpelier, VT 05620

Sharon Moffatt, RN, MSN  
Commissioner of Health  
Vermont Department of Health  
108 Cherry Street  
Burlington, VT 05402

John LaBarge, Scenic Byways Coordinator  
Vermont Scenery Preservation Council  
ATTN: John LaBarge  
One National Life Drive  
Montpelier, VT 05633-5001

Chittenden County Regional Planning Commission  
Charlie Baker, Executive Director  
30 Kimball Avenue, Suite 206  
South Burlington, VT 05403

Northwest Vermont Regional Planning  
Commission  
Raymond Larose, Chair  
155 Lake Street  
Saint Albans, VT 05478

Lamoille County Planning Commission  
Bonnie Waninger, Executive Director  
632 LaPorte Road  
Morrisville, VT 05661

John Zimmerman  
Martha N. Staskus  
Vermont Environmental Research Associates  
1209 Harvey Farm Road  
Waterbury Center, VT 05677

Town of Fletcher Selectboard  
John Bondy, Chair  
Fletcher Town Office  
215 Cambridge Road  
Cambridge, VT 05444

Town of Fletcher Planning Commission  
Cheryl Vreeland, Chair  
Fletcher Town Office  
215 Cambridge Road  
Cambridge, VT 05444

Town of Fairfield Selectboard  
25 North Road  
Fairfield, VT 05455  
Attn: Tom Howrigan

Town of Fairfield Planning Commission  
25 North Road  
Fairfield, VT 05455  
Attn: Steve Cushing

Town of Milton Selectboard  
Jeffrey Turner, Chairperson  
43 Bombardier Road  
Milton, VT 05468-3205

Town of Milton Planning Commission  
Julie Rutz, Chair  
43 Bombardier Road  
Milton, VT 05468-3205

Town of Georgia Selectboard  
Kirk Waite, Chair  
Georgia Municipal Offices  
47 Town Common Road North  
Georgia, VT 05478

Town of Georgia Planning Commission  
Amy Spector, Planning Coordinator  
Georgia Municipal Offices  
47 Town Common Road North  
Georgia, VT 05478

Town of Fairfax Selectboard  
Judy Cleary, Chair  
PO Box 27  
Fairfax, VT 05454

Town of Fairfax Planning Commission  
G. Heyer, Chair  
PO Box 27  
Fairfax, VT 05454

Town of Westford Selectboard  
1713 Vermont Route 128  
Westford, Vermont 05494

Town of Westford Planning Commission  
Melissa Manka, Planning Coordinator  
1713 Vermont Route 128  
Westford, Vermont 05494

Town of Underhill Selectboard  
Steve Walkerman, Chair  
Town of Underhill  
P.O. Box 32  
Underhill Center, VT 05490

Town of Underhill Planning Commission  
Dick Albertini, Chair  
Town of Underhill  
P.O. Box 32  
Underhill Center, VT 05490

Town of Cambridge Selectboard  
Paul Boyer, Chair  
P.O. Box 127  
Jeffersonville, VT 05464

Town of Cambridge Planning Commission  
Martha Brown and Muffy Howard, Co-Chairs  
P.O. Box 127  
Jeffersonville, VT 05464

Town of Essex Selectboard  
Alan Nye, Chair  
Town of Essex  
81 Main Street  
Essex Junction, VT 05452

Town of Essex Planning Commission  
Jim Rose, Chair  
Town of Essex  
81 Main Street  
Essex Junction, VT 05452

Town of Colchester Selectboard  
Dick Paquette, Chair  
1325 Blakely Road  
Colchester, VT 05446

Town of Colchester Planning Commission  
Tom Berry, Chair  
781 Blakely Road  
P.O. Box 55  
Colchester, VT 05446

Town of South Hero Selectboard  
David Lane, Chair  
PO Box 175  
South Hero, VT 05486

Town of South Hero Planning Commission  
Todd Cox, Chair  
PO Box 175  
South Hero, VT 05486

Town of Grand Isle Selectboard  
Ron Bushway, Chair  
9 Hyde Road  
Grand Isle, VT 05458

Town of Grand Isle Planning Commission  
Robert Thompson, Chair  
9 Hyde Road  
Grand Isle, VT 05458

Town of St. Albans Selectboard  
Kathy Middlemiss, Chair  
579 Lake Road  
St. Albans, VT 05478

Town of St. Albans Planning Commission  
David Schofield, Chair  
579 Lake Road  
St. Albans, VT 05478

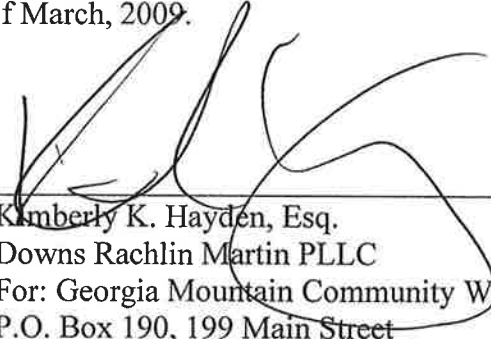
St. Albans City Selectboard  
100 North Main Street  
St. Albans, VT 05478

St. Albans City Planning Commission  
100 North Main Street  
St. Albans, VT 05478

Town of Jericho Selectboard  
Bob Penniman, Chair  
Town of Jericho  
PO Box 39  
Jericho, VT 05465

Town of Jericho Planning Commission  
Wayne Howe, Chair  
Town of Jericho  
PO Box 39  
Jericho, VT 05465

Dated at Burlington, Vermont this 26th day of March, 2009.



Kimberly K. Hayden, Esq.  
Downs Rachlin Martin PLLC  
For: Georgia Mountain Community Wind, LLC  
P.O. Box 190, 199 Main Street  
Burlington, Vermont 05402-0190  
Tel.: (802) 863-2375  
Fax: (802) 862-7512

3019217.1