

***Where we are at the end of September***

Since our last project update in mid-August, earthwork, including construction of access roads, wind turbine ‘pads’, and the installation of the underground electrical is wrapping up. Final road grading and landscaping work are in process. We thank our neighbors for their patience over this dirty phase of site construction.

One wind turbine foundation is complete and the other three are in various stages of forming rebar, receiving concrete and curing. The work is proceeding according to schedule, with all four foundations to be ready to support the wind turbine components when they arrive in October.



*Turbine foundations contain a large amount of steel 're-bar' as seen here in Turbine 3 before the concrete is formed and poured.*



*GMP Crews set new poles along North Road to connect the project to the electric grid. (Credit RLC Eng)*

To get the power from the wind turbines to the existing Green Mountain Power line, approximately 2.2 miles of underground and overhead electric collection system is being installed. Between the turbines, the underground line construction is complete. Once off the ridge, the overhead 34kV line will carry the power to North Rd., Milton. Work on the overhead portion of the electrical system, including the installation of poles, switches, meters, and other protective gear is underway. Also, Green Mountain Power is upgrading an approximate ¼ mile section of existing pole line along North Road to interconnect with the Project’s electric collection system, which terminates beside the Georgia Mountain Maple sugarhouse.



*Overhead collection line installation along the Project access road continues.*

***Turbine Manufacturing & Transportation***

The Goldwind America wind turbine components are about complete in manufacturing. The blades were fabricated in Little Rock, Arkansas and await railroad transport from the factory. The tower sections are being manufactured in Chattanooga, Tennessee. The wind turbine nacelles, generators, and hubs were barged to the Port of Albany from China. These components were offloaded September 23rd and will be transported to the project site when we’re ready to receive the shipments.

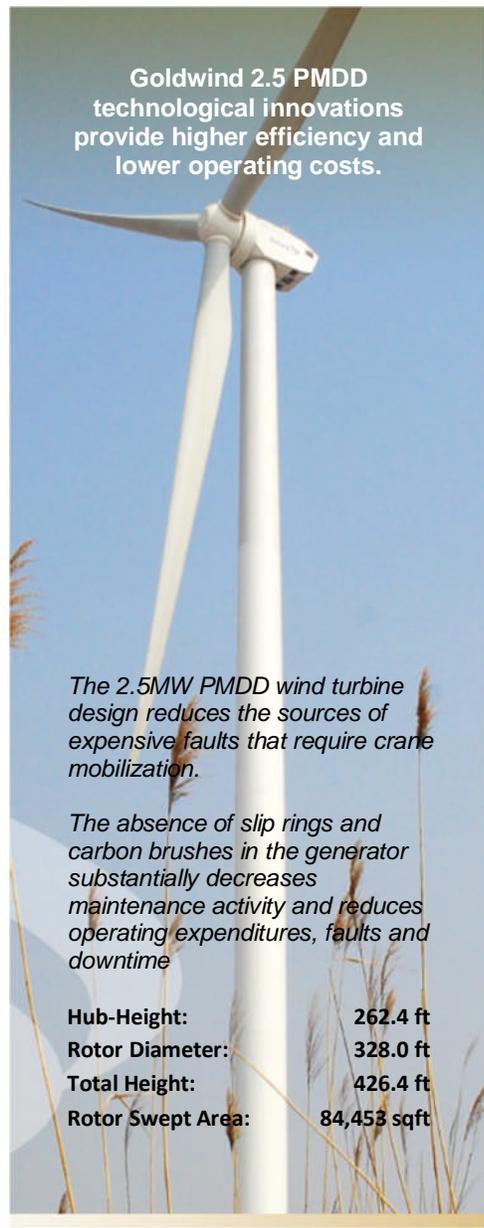


*A turbine "nacelle" being off-loaded at the Port of Albany NY docks.*

The final transportation and routing details are being completed and coordinated in close collaboration with the Vermont Agency of Transportation, and state, Chittenden and Franklin counties and local public safety officials. Oversize loads require state transport permits and escorts in accordance with state regulations. Barrett Trucking ([www.barretttruckingco.com](http://www.barretttruckingco.com)) of Burlington and experienced in transporting wind turbine components (check out their photo gallery) will bring the largest components up the mountain. In addition, transportation personal is onsite re-confirming conditions and movement plans for the turbine components. To facilitate the local overland transport of these components, New England Tree Experts, ([www.newenglandtreeexperts.com](http://www.newenglandtreeexperts.com)) of Hardwick are trimming low or protruding branches along the route and Partner Excavation Inc. of Alburgh will be installing a temporary “pull through” at the intersection of Westford-Milton Rd. and State Rte. 128.



Representatives of Goldwind America and Barrett Trucking are on site reconfirming conditions for transporting components.



Goldwind 2.5 PMDD technological innovations provide higher efficiency and lower operating costs.

The 2.5MW PMDD wind turbine design reduces the sources of expensive faults that require crane mobilization.

The absence of slip rings and carbon brushes in the generator substantially decreases maintenance activity and reduces operating expenditures, faults and downtime

<b>Hub-Height:</b>	<b>262.4 ft</b>
<b>Rotor Diameter:</b>	<b>328.0 ft</b>
<b>Total Height:</b>	<b>426.4 ft</b>
<b>Rotor Swept Area:</b>	<b>84,453 sqft</b>

**The Wind Turbines:  
Cutting Edge Technology**

GMCW’s wind turbines are the Goldwind America 2.5 MW PMDD (Permanent Magnet Direct Drive) model. This “direct drive” design removes the need for a gearbox between the rotor and the generator, among other things, greatly reducing the number of moving parts. The PMDD turbines use permanent magnet generators that operate at higher efficiency over a wider range of power output than conventional electromagnetic generators. To see more specifics go to the website ([www.goldwindamerica.com/technology\\_2.5mw.aspx](http://www.goldwindamerica.com/technology_2.5mw.aspx)).

**The Project**

Georgia Mountain Community Wind’s 10 megawatt wind power project is locally owned and developed and will provide long-term, clean power along with economic and environmental benefits to Vermonters. The 4-wind turbine, renewable energy project will harness the power of the winds flowing across the Champlain Valley with two turbines in Milton and two in Georgia and generate the annual average electric usage of 4,200 average Vermont households. GMCW is the first commercial-scale wind project in Chittenden & Franklin Counties. The Burlington Electric Department will utilize its electrical output and environmental attributes. The project uses land owned by the Harrison Family of Georgia and Green Crow Corporation, a timber products company locally based in Waterbury.

**Questions and Contact . . . . .**

The GMCW Construction Information Line (802-242-1476) remains available, providing 24/7 coverage and transferring incoming messages to key GMCW project personnel. Project owners, David Blittersdorf and The Harrison Family, along with the project team, again thank the surrounding communities and services for all the ongoing support and contributions to the success of the project.

We’ll continue to keep you posted,  
Martha Staskus, GMCW Project Manager