

The Black Nubble Wind Farm

## **Section 16: Water Supply**

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## **1.0 Water Supply Method**

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The Black Nubble Wind Farm will not require a water supply for the operation of the wind turbines or electrical transmission equipment. The maintenance facility will have an on-site drilled well to provide water for initial construction needs and provide ongoing water for washing, maintenance of the wind farm vehicles, and to provide drinking and restroom water for employees. There is sufficient water to accommodate this use.

The well will be located on the maintenance property, as determined by the project's soils consultant, Albert Frick Associates. Siting for a well and wastewater system is shown on the Wastewater Disposal Permit available as an appendix to Section 17, Wastewater.

Our initial investigation into water use has concluded that our water needs are modest enough not to create significant concerns for the local waterbodies. This conclusion was reached after reviewing our water needs with Dan Locke, Hydrogeologist, Maine Geological Survey. Dan's email dated April 4, 2006 on the project's water use is available in Attachment 12.

The water needs estimate spreadsheet, including representative monthly consumption, can be found in Attachment 13.<sup>1</sup>

During the construction phase, Maine Mountain Power (or their contractors) will supply drinking water for crews, water for dust abatement on the access gravel roads, and water for mixing concrete. The concrete for the turbine foundations will likely be mixed at a temporary concrete plant located on the project's maintenance lot.

Drinking water will be supplied either as bottled water or from the maintenance facility well, once installed. Water for dust abatement and concrete will be sourced from a well located at the maintenance facility. Construction-related water use will not involve a significant withdrawal from any project area surface water source.

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<sup>1</sup> From Responses to LURC Comments & Questions - March 29, 2006 LURC Responses - Questions with Responses.