

## **Section 21 Air Emissions**

## **21.0 AIR EMISSIONS**

The Canton Mountain Wind Project (Project) is not expected to have an adverse affect on air quality. Wind turbines produce electricity that is distributed through the regional grid without producing air emissions. Furthermore, the Project is likely to displace energy produced by fossil fuels and indirectly have a positive impact on emissions.

Air quality will be slightly affected during construction by emissions from construction vehicles and use of a rock crusher on site. The limited scope of construction and the isolated area of the Project should minimize any short-term effect on air quality. The rock crusher will be licensed by the Maine Department of Environmental Protection's Bureau of Air Quality and will be operated in accordance with that license. Ongoing emissions from operations and maintenance of the turbines, as well as the transmission line, should be minimal. The turbines themselves produce no emissions, but vehicles used in the Project's operation and maintenance will have a minor impact on air quality.

During construction, the site will be monitored for dust control, and calcium chloride or water will be used to treat areas as needed, based on the instructions of the lead engineer or the third-party inspector. Dust problems are not expected because most of the project roads and turbine pads will be covered with crushed stone; however, dust treatment will be utilized if dust becomes a nuisance to neighboring properties and where safety and visibility are compromised. Stump and brush grinding will also be used to cover and/or minimize exposed areas of soil or sand.