

I Executive Summary

This Environmental Assessment (EA) has been prepared to identify, analyze and document the potential physical, environmental, cultural and socioeconomic impacts associated with a proposal from OnWav to bring broadband services to north central Tennessee. This project is funded by a grant from the National Telecommunications and Information Administration (NTIA) through the Broadband Technology Opportunities Program (BTOP), as part of the American Recovery and Reinvestment Act (ARRA). OnWav is a privately-held broadband Internet service provider based in Cookeville, Tennessee.

The project proposes to build a new 127-mile microwave and WiMAX fixed wireless network offering middle mile speeds from 133 Mbps to as high as 400 Mbps in selected municipalities of the counties of Fentress, Pickett, Clay, Jackson and Overton. The project proposes to erect three new 250' tall self-support towers and seven collocation projects to provide middle mile and last mile service, designed with the local mountainous topography and sparse populations in mind.

Trileaf on behalf of OnWav has contacted interested environmental and governmental agencies to ensure that the proposed action will not involve any unusual risks or impacts to sensitive areas outlined in this EA.

Table I: Impacts of Resources to Sensitive Areas

Resource	Freeze Street	Cookeville CH22	Allardt Downtown	Jamestown City Hall	Livingston East	Jump Tower 1	Jump Tower 2	Gainesboro Smith	Celina Town	Byrdstown
Noise	No	No	No	No	No	No	No	No	No	No
Air Quality	No	No	No	No	No	No	No	Unlikely	Unlikely	Unlikely
Geology and Soils	No	No	No	No	No	No	No	Minimal	Minimal	Minimal
Water Resources	No	No	No	No	No	No	No	No	No	No
Biological Resources	No	No	No	No	No	No	No	No	No	No
Historic and Cultural Resources	No Effect	No Effect	No Effect	No Effect	No Effect	No Effect	No Effect	No Effect	No Adverse Effect	No Adverse Effect
Aesthetic and Visual Resources	No	No	No	No	No	No	No	Minimal	Minimal	Minimal
Land Use	No	No	No	No	No	No	No	No	No	No
Infrastructure	No	No	No	No	No	No	No	Minimal	Minimal	Minimal
Socioeconomic Resources	No	No	No	No	No	No	No	No	No	No
Human Health and Safety	No	No	No	No	No	No	No	No	No	No

Based upon the available data gathered for this Environmental Assessment, a determination of no significant impact is expected for the projects. This determination is based on consultation with applicable Federal and State agencies, federally-recognized tribes and a thorough review by Trileaf scientists.