

Abstract Submitted  
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**Microwind Alternative Energy and the Windbelt** ERIC MYERS,  
Stephen F. Austin State University — The windbelt is an energy generating device  
which makes use of aeroelastic flutter to produce small amounts of electrical power  
under very low wind speeds. There are several natural modes of vibration present  
on the windbelt under different conditions. Each of the modes provide a different  
waveform for the output voltage. This talk will provide an introduction to the  
windbelt, will attempt to explain the effect different modes of vibration have on the  
output waveform, and will provide some potential uses for the windbelt.

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