



Submitted by: Peter Hansel

Company/Organization: Filtrine Manufacturing Company

### What was the challenge or opportunity?

We wanted to determine what our carbon footprint is.

### How did you address it?

We contracted with two graduate students from Antioch University New England in the fall of 2013 through their "Collaborative Service Initiative" to conduct an Ecological Footprint Analysis (EFA) of our operations in Keene, NH. They spent a semester gathering information on our production processes, our energy usage and our waste generation. They then applied internationally accepted formulas to determine the ecological impact of these processes and prepared a detailed report.

### What impacts have you seen from your initiative?

The information gleaned from this report will be used as a base-line to evaluate progress and help make informed decisions for continuous improvement. The study was also useful from an academic standpoint because it established protocol for doing an EFA on small companies such as ours. There was no evidence of this being done anywhere in New Hampshire and possibly in the country prior to that time. Coincidentally, while this study was being done, Filtrine was installing a 36 KW photovoltaic solar array on our roof. I can send a photo of that array if desired.