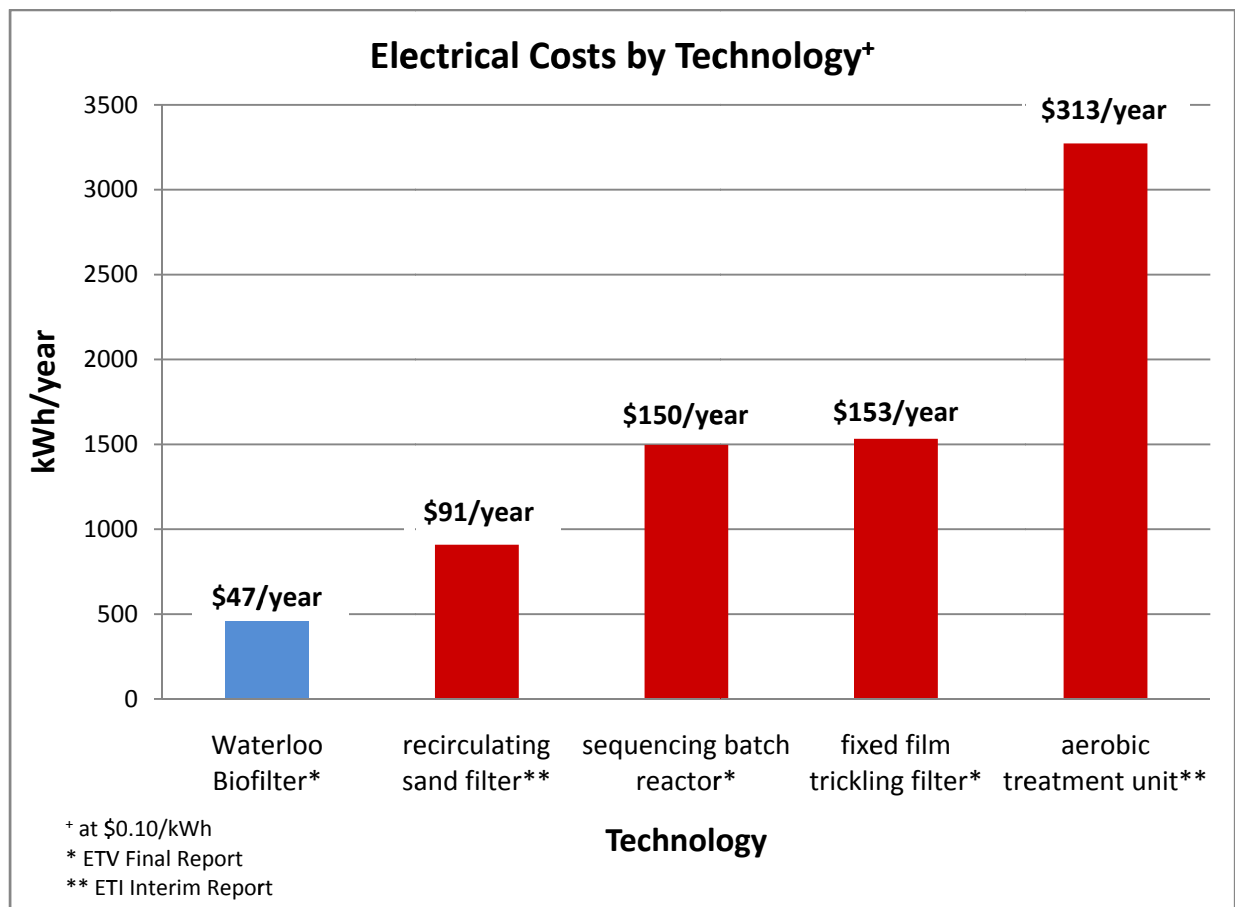




### Energy Usage Comparison

The Waterloo Biofilter onsite wastewater treatment unit has the lowest electricity usage of any technology tested at the Massachusetts Alternative Septic System Test Center<sup>1</sup>.

The following chart compares the annual electricity usage for a Waterloo Biofilter system with recirculation to that of a number of competing technologies. All systems tested were sized for an average 4-bedroom home. Waterloo Biofilters that operate in single-pass mode (Cedar Shed Biofilters & Flat Bed Biofilters) use approximately half of the electricity shown below, and our siphon-dosed Flat Bed configuration requires no electricity at all!



Waterloo Biofilters significantly reduce long term operating costs by using less than 1/3<sup>rd</sup> the amount of electricity as other types of trickling filters, and less than 1/6<sup>th</sup> the amount of electricity compared to some ATU (suspended sludge) systems using air blowers.

<sup>1</sup> Waterloo Biofilter ETI Final Report