CONCLUSION

In conclusion, data pertaining to Chatham, Massachusetts was used in this guide to present the feasibility of integrating a micro wind turbine system or photovoltaic system into an average American household. This guide shows that in Chatham, a medium sized wind turbine (3kW) is the most cost effective micro wind turbine system in terms of a payback period (See graph). With one of the highest rated solar panel systems, the payback period is approximately 20 years. The consumer would be advised to install a medium sized wind turbine or enough solar panels, roughly 22 panels, to surpass their residential energy consumption bill. This decision helps the movement towards environmentally friendly energy and eventually allows for the individual to save money on their energy bills.