Research on what makes our product unique

1. T.E.D. (The Energy Detective): TED is a simple and very accurate, home energy monitor that allows you to see electricity usage in real-time. TED will accurately tell you what your bill is going to be long before the electric bill arrives. It quantifies electricity and displays the results on its easy-to-read LCD screen and/or a local or remote computer. TED also has what is called TED Footprints, which is a dynamic software that allows you to log your electricity usage on your computer for graphing, charting, seeing trends, load-profiling, etc.

\*\*How we are unique\*\*: TED only monitors whole installation power usage only. Our product plans to track how power is used on a circuit-by-circuit basis. We also plan to implement a power “budgeting” aspect that will allow the consumer to specify goals for power consumption. Our product will have the capabilities of TED, with more features.

1. Standard Power Meter: This is what most consumers already have. It is a device that measures the amount of electrical energy consumed by the user.

\*\*How we are unique\*\*: This product also only monitors whole power installation power usage. This also requires specific knowledge to understand the data that it is outputting. Our product will be able to be used by the average consumer.

1. The Kill A Watt Electricity Usage Monitor: This product connects to appliances and assesses efficiency. The LCD display shows the consumption by the kilowatt-hour. It can be set up to calculate electricity expenses by the day, week, month, or year. It also will display volts (Voltage), amps (Current) , and wattage (Power) within a 0.2 percent accuracy.

\*\*How we are unique\*\*: This product is very small scale. You would need multiple to know the power consumption for most of your appliances. There are also things in your home that you would not be able to connect it to, due to compatibility. With, this device you will not be able to know your total home power usage.

1. Google Power Meter: Google PowerMeter is a free energy monitoring tool that helps you save energy and money. Using energy information provided by utility smart meters and energy monitoring devices, Google PowerMeter enables you to view your home's energy consumption from anywhere online.

\*\*How we are unique\*\*: There are limitations to this product. You have to live in San Diego, California, Germany, or the United Kingdom to sign up. If you do not live in one of these areas, then you would need to purchase a compatible device.

\*\*TED would probably be our biggest competition, but we plan to make our product have more features and also communicate to both the power company and the user. TED is also compatible with the Google Power Meter, and we are trying to make contact with Google as well.