

From: Daniel O'Connell

To: Doug Young
Date: May 15, 2018

Subject: Request for Info - File # 0681-EX-ST-2018

Message:

Mr. Young,

With respect to your three questions:

What exactly do you mean for "data handling, analysis and reporting"?

-The main cause of electrical fires is tiny arcs and sparks that develop in damaged house wiring, electrical cords and faulty appliances. Often, these hazards can be hidden behind walls, and often in older homes and homes that have suffered water damage. The sensor plugs into any outlet to measure the home's electromagnetic data at high speeds - ~ 28MHz - looking for arc faults. This data must be processed, analyzed and reported on in order to demonstrate the efficacy of the sensor, and to provide any alerts that may be required.

Are you charging different rates for different users? If so, explain what kind of market analysis you are trying to accomplish.

- At this point we are not charging anybody for anything. Upon getting the TSA, we intend to charge uniformly for the analysis and reporting.

Why do you need 500 units? What is the minimum needed?

- Statistically, electrical fires occur in 0.05% of homes. We need a sample size adequate to give us a decent chance at finding the dangerous anomalies we are looking for.