



Roderick T. Hinman, Ph.D.
Aurora Research, LLC
P.O. Box 4955
Kailua-Kona, HI 96745-4955

Dear Dr. Hinman:

We are excited to learn about your project to develop a distributed grid and irradiance sensing system and to test it here on the Big Island. We believe it will contribute to the goal of increasing the amount of renewable electricity generation on our island while maintaining grid stability. The data collected will also be invaluable for further research and science education.

Hawaii Preparatory Academy is a co-educational private school serving students from kindergarten to grade 12. We recently opened our Energy Laboratory, a facility that is a model for sustainable buildings and the basis for new learning experiences. Its energy generation and consumption equipment are fully instrumented and logged, and those data are available to students for learning projects and experiments. The facility also hosts state-of-the-art communications equipment to foster collaboration with people around the world.

We would be very interested to work with you on this National Science Foundation project. We see numerous opportunities for students to learn science and engineering and its application to the real world. Indeed, this kind of collaboration is one of the activities the lab was designed to promote.

Sincerely,
Dr. Bill Wiecking
Energy Lab Director

A handwritten signature in black ink, appearing to read "Billie", is written over the typed name and title.

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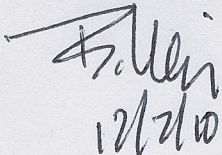
Dear Dr. Hinman,

Thank you very much for your invitation to consult with you on your proposed Phase I project. I am excited to help a project that may increase the amount of solar energy that can be reliably attached to the grid, and that will help inspire students to become more involved in the energy field and the sciences in general.

I understand that you intend to utilize in situ the data collection and database system used by Hawaii Preparatory Academy in their Energy Lab building. I specified that system and worked with CookWare, Inc. to bring it to its current state. I anticipate having time available to assist with the creation of your database, sensing nodes, and data analysis tasks appropriate for different student age levels. I agree to support the proposed effort at a maximum number of ten (10) paid days at the rate of \$600 per 8-hour day.

Sincerely,

Dr. Bill Wiecking



12/2/10