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The Honorable David Dreier  
United States Representative  
233 Cannon House Office Building  
Washington, D.C. 20515

March 5, 2009

SUBJECT: Wavelength Agile Spectral Harmonic (WASH) Oxygen Sensor and Cell-Level Battery Controller.

In Reply Please Refer to Letter Number: 09-03-201

Dear Representative Dreier:

As Congress begins consideration of the fiscal year 2010 budget for the Department of Defense, I am writing to request your support for continuation of the Air Force's collaborative efforts with Wavelength Agile Spectral Harmonic (WASH) Oxygen Sensor and Cell-Level Battery Controller.

We are requesting your support for important Air Force programs the Wavelength Agile Spectral Harmonic (WASH) Oxygen Sensor and the Cell Level Battery Controller. Both of these programs fulfill vital Air Force requirements, will create high technology jobs and increase the safety and effectiveness of our warriors in the field.

The Wavelength Agile Spectral Harmonic (WASH) Oxygen Sensor will save lives and taxpayer dollars. Currently there is no way to monitor the amount of dangerous oxygen in an aircraft fuel tank that is less than full. Any spark, initiated by faulty wiring or small arms fire, can make this condition deadly for the pilot and crew. The alternative is to constantly pressurize the tank with nitrogen causing an increased workload on engines. The WASH Oxygen Sensor will detect oxygen concentrations in the fuel tank and trigger inerting system only when needed, saving fuel while increasing safety.

The Cell Level Battery Controller will save dollars and sweat. As more and more hi-tech equipment is developed that can follow the warfighter into the field, battery technology must advance to prevent warriors from carrying literally hundreds of pounds of 1940's technology into the field to support power requirements. This funding will advance battery technology to allow them to be used longer and charged less frequently and to require fewer of them to be carried into the field.

I would like to request your support of \$5.2 million in funding to continue development of the WASH Oxygen Sensor and Cell-Level Battery Controller.

Thank you for your time and consideration.

Sincerely,



Thomas H. Sobota