

# United States Senate

WASHINGTON, DC 20510

March 23, 2010

The Honorable Daniel Inouye  
Chairman, Committee on Appropriations  
S 128 – The Capitol  
Washington, D.C. 20510

The Honorable Thad Cochran  
Ranking Member, Committee on Appropriations  
S 128 – The Capitol  
Washington, D.C. 20510

The Honorable Robert Byrd  
Chairman Committee on Appropriations  
Subcommittee on Homeland Security  
135 Dirksen Senate Office Building  
Washington, DC 20510

The Honorable George Voinovich  
Ranking Member Committee on Appropriations  
Subcommittee on Homeland Security  
125 Hart Senate Office Building  
Washington, DC 20510

Dear Chairman, Vice Chairman, and Ranking Members:

As your subcommittee begins to draft its appropriations bill for fiscal year 2011, we respectfully request your consideration of the following projects. These projects meet a local, state or national public need and maintain or create jobs.

**Intelligent Fault Current Limiting Systems for a Resilient, Self-Healing, Smart Electric Grid - \$4,000,000**  
**Grid Logic Incorporated - Metamora, MI**

We request \$4,000,000 for Grid Logic Incorporated for Intelligent Fault Current Limiting Systems for a Resilient, Self-Healing, Smart Electric Grid. The project entails development of a medium voltage fault current limiter equipped with integral, on-board communications and control capabilities called an Intelligent Current Limiter. Objectives of this project include development to meet utility performance specifications for response time, let-through current, fault current reduction, mean time to failure, cost of maintenance, and footprint. Communication objectives include ICL network security, command execution and impedance control, and intrinsically triggered ICL network behavior modes such as, grid sectionalization, self-healing, and dynamic stabilization. This project will provide a foundation for jobs for utility engineers to design a resilient, self-healing national electrical grid.

**City of Detroit Emergency Operation Centers - \$3,000,000**  
**City of Detroit - Detroit, MI**

We request \$3,000,000 for the City of Detroit to establish a fixed and permanent Emergency Operations Center (EOC). Detroit is the largest city in Southeast Michigan without a fixed and permanent EOC. The Center will serve as a command and control center in the event of a major catastrophe and will allow the State of Michigan superior communication and more expansive control in its most populated city.

**Pre-Disaster Mitigation Program - \$725,000**  
**Siena Heights University - Adrian, MI**

We request \$725,000 for Siena Heights University's Pre-Disaster Mitigation Program. Federal funds would be used to renovate space to provide a command center-like teaching learning situation, provide the appropriate technological resources to support the planning effort, and provide additional faculty resources to support students in their pre-disaster mitigation (PDM) efforts with school district colleges and local government agencies. Siena Heights University's Center for Homeland Security and Emergency Preparedness will enhance emergency preparedness planning through training, education and research. It is an approach that integrates the partnership of K-12 schools, colleges, and local government and agencies with a blend of theory into application.

**Advancements In Robotic Security Mobility & I.E.D. Defeat Technology - \$4,500,000**  
**Omaha Automation, Inc. - Harrison Township, MI**

We request \$4,500,000 for Omaha Automation, Inc. for the Advancements in Robotic Security Mobility and I.E.D. Defeat Technology program. This funding will allow Omaha Automation to research, design, manufacture and integrate the SMIDT unmanned robotic tactical vehicle. This vehicle addresses several key mission gaps of the military and Department of Homeland Security. The vehicle will be made commercially available, supporting rapid fielding initiative (RFI) and joint I.E.D. defeat organizations' immediate needs. The vehicle's capabilities include border patrol pre-check point security, airport perimeter and interior 24-7 monitoring, substance and recognition detecting, route path programming and reporting and multiple monitoring with single operator.

**Water Electric Power Generating System - \$3,500,000**  
**Criptonic Energy Solutions, Inc. - Madison Heights, MI**

We request \$3,500,000 for Criptonic Energy Solutions, Inc. for a Water Electric Power Generating System. The funding will be used to launch the first system and provide power at a funded cost for more than thirty years at the proposed pilot site, the current G.W. Kuhn wastewater pretreatment facility in Oakland County. The project will provide power and validate the technology that has been reviewed by a large multinational power services company. Once the system is operational, it can be put into service at other municipalities, generating new revenue streams using existing sewer infrastructure, and initially create hundreds of jobs.

**Border and Maritime Security Training Center for Transportation and Logistics Workers - \$1,800,000**  
**Wayne County Community College District - Detroit, MI**

We request \$1,800,000 for the Wayne County Community College District (WCCCD) for the Border and Maritime Security Training Center for Transportation and Logistics Workers. The Border and Maritime Security Training Center expands the Michigan Institute for Public Safety Education at the WCCCD Downriver Campus to provide training for local law enforcement agencies, first-responders and private-sector transportation and logistics workers in technologies and procedures focused on cargo security including screening and examination, tracking of high-threat cargo, detection of contraband materials, and emergency response coordination in collaboration with DHS departments. Southeast Michigan serves as the busiest trade corridor with intermodal transit points including commercial ports, airports, rail and trucking interests supporting nearly \$200 billion in goods across the international border and Midwest U.S.

**State of Michigan Emergency Operations Center - \$9,617,900**  
**State of Michigan - Lansing, MI**

We request \$9,617,900 for the State of Michigan to relocate its Emergency Operations Center (EOC). This funding would move the current EOC from a leased space into a state-owned facility in Lansing, Michigan, the state capital. It would consolidate key emergency management and homeland security functions into the state-owned space and benefit the local economy by creating jobs during construction and investing in the Lansing area. The funding would go toward the redesign and renovation of the facility and the installation of technology and support systems for the new operations.

**Level II Trauma Center Emergency Assistance Program - \$1,900,000**  
**St. Mary Mercy Hospital – Livonia, MI**

We request \$1,900,000 for St. Mary Mercy Hospital for the Level II Trauma Center Emergency Assistance Program. This funding will help the hospital obtain Level II trauma status. This status will allow the hospital to provide comprehensive emergency services, by a multi-disciplinary team, to patients suffering traumatic injuries. Level II status is vital to the community, as it assures preparedness in the face of disasters such as biological, chemical, or nuclear agents and other hazards such as natural disasters.

**Sault Ste. Marie International Bridge Southend Widening for USCBP - \$12,000,000**  
**International Bridge Administration - Sault Ste. Marie, MI**

We request \$12,000,000 for the International Bridge Administration for southend widening of the Sault Ste. Marie International Bridge for the U.S. Customs and Border Patrol. This funding will allow for the addition of two southbound lanes of sufficient length to allow separate NEXUS and FAST traffic queuing, thus improving USCBP traffic processing efficiency. The full potential of NEXUS and FAST low-risk traveler programs are not being fully realized at the Sault Ste. Marie International Bridge crossing due to lack of designated FAST and NEXUS traffic queuing lanes. A single southbound lane on the bridge feeds five CBP inspection booths. This deficiency causes restricted border security operations, unnecessary border crossing traffic backups, and safety concerns.

**Michigan Regional Response Team Network, Equipment Acquisition (TruDefender FT/FTG) - \$1,785,000**

**Western Wayne County Hazardous Material Response Team - Livonia, MI**

We request \$1,785,000 for the Western Wayne County Hazardous Material Response Team for acquisition of TruDefender FT/FTG equipment for the Michigan Regional Response Team Network. This funding will allow the Regional Response Team Network (RRTN) to acquire 17 Ahura TruDefender FTs and 17 Ahura TruDefender FTGs, which will be deployed in a regional collaboration with responding RRTN communities on all hazardous material call-outs. This equipment will greatly enhance the RRTN's efforts in the containment and mitigation of potential and actual releases of unknown substances.

**Michigan Regional Response Team Network, Equipment Acquisition (FirstDefender RM) - \$1,020,000**

**Western Wayne County Hazardous Material Response Team - Livonia, MI**

We request \$1,020,000 for the Western Wayne County Hazardous Material Response Team for acquisition of FirstDefender RM equipment for the Michigan Regional Response Team Network. This funding will allow the Regional Response Team Network (RRTN) to acquire 17 Ahura FirstDefender RMs, which will be deployed in a regional collaboration with responding RRTN communities on all hazardous material call-outs. This equipment will greatly enhance the RRTN's efforts in the containment and mitigation of potential and actual releases of unknown substances.

**Development of Large Scale, Single-Use Bioreactors for Rapid Response to Potential Pandemics - \$1,000,000**

**Pbs Biotech, Inc. - Lansing, MI**

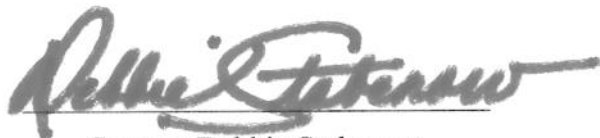
We request \$1,000,000 for Pbs Biotech, Inc. for the Development of Large Scale, Single-Use Bioreactors for Rapid Response to Potential Pandemics. This funding will help improve how vaccines are created in response to bioterrorist attacks. The ability to respond and protect individuals from such circumstances hinges largely on the speed and efficiency to which countermeasures such as vaccines, therapeutic proteins, and other antidotes can be manufactured. Pbs Biotech has developed a disposable bioreactor that has all of the advantages over similar stainless steel ones and the potential to support sudden swells in vaccine demand. Its unique pneumatic mixing mechanism allows our bioreactor not only to provide superior mixing performance, but it is also the only existing platform with a broad range of scalability. Entire cell culture processes can be efficiently accommodated to meet sudden demands during a global outbreak.

We certify that neither we nor our immediate family has a pecuniary interest in any of the congressionally directed spending item(s) that we have requested for the Fiscal Year 2011 Homeland Security Appropriations bill, consistent with the requirements of paragraph 9 of Rule XLIV of the Standing Rules of the Senate.

We further certify that we have posted a description of the items requested on our official websites, along with the accompanying justification.

We appreciate the subcommittee's consideration of our requests. Should you have any questions, please do not hesitate to contact Kaye Meier of Senator Levin's staff at 202-224-6221 or Amit Kalra of Senator Stabenow's staff at 202-224-4822.

Sincerely,



Senator Debbie Stabenow



Senator Carl Levin