

Testimony of  
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Energy and Technology Committee

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Regarding

**House Bill No. 5351 AN ACT CONCERNING CERTAIN PROGRAMS AND TO INCENTIVIZE  
AND IMPLEMENT ELECTRIC ENERGY STORAGE RESOURCES**

The Connecticut Center for Advanced Technology, Inc. (“CCAT”), offers this testimony in support of House Bill No. 5351 AN ACT CONCERNING CERTAIN PROGRAMS AND TO INCENTIVIZE AND IMPLEMENT ELECTRIC ENERGY STORAGE RESOURCES

CCAT is a nonprofit corporation that provides services and resources to entrepreneurs, businesses, industry, academia, and government. The energy program at CCAT has been established to improve the economic competitiveness of the region through solutions that lower energy costs, improve environmental performance, and increase long-term energy reliability. CCAT also provides assistance to businesses and manufacturers regarding energy use and energy efficiency; promotes the use of sustainable and renewable energy technologies; and undertakes energy planning, including use of energy storage and distribution technologies.

The proposed Bill would:

- Encourage the development of 1,000 MW of energy storage;
- Provide a process to incentivize energy storage; and
- Provide a process for demonstration projects.

This Bill will provide policy, incentives, and demonstration for energy storage needed to support large procurements of energy from intermittent solar and wind resources. The impact will be of value to encourage deployment of renewable wind and solar energy, and to increase local grid reliability for electric vehicle charging and reduction of peak power loads. The Bill may also be of economic value to local researchers, manufacturing, and energy technology installers.

It is recommended that energy storage produced with renewable hydrogen from renewable resources be explicitly added to this Bill to encourage incremental decarbonization of existing natural gas infrastructure.

In summary, this bill with minor refinement can provide tools that can help refine policy to support needed energy resource development for energy reliability, energy storage, decarbonization, environmental protection, and economic development.

CCAT has substantial experience in energy resource management and offers its resources to be of assistance for the execution of this work. I would be pleased to address the Committee as requested to provide a more detailed explanation of these brief comments. Thank you for your time and consideration.

Respectfully submitted,

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Director of Energy