



# **FY09 DOE Energy Storage PEER Review**

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# Mission

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Develop advanced electricity storage and PE technologies, in partnership with industry, for modernizing and expanding the electric supply. This will improve the quality, reliability, flexibility and cost effectiveness of the existing system.

Help create an energy storage industry





# Significant Events in FY09

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## Power Electronics Sub-Program

Power Electronics Subprogram suffered a large budget cut in FY09 and was dropped as a separate program for FY10.

ESSP will reabsorb power electronics development for energy storage applications back into program.

## Funding

Due to a lengthy Congressional continuing resolution, FY09 funding was not received until April





# ESSP Program Highlights

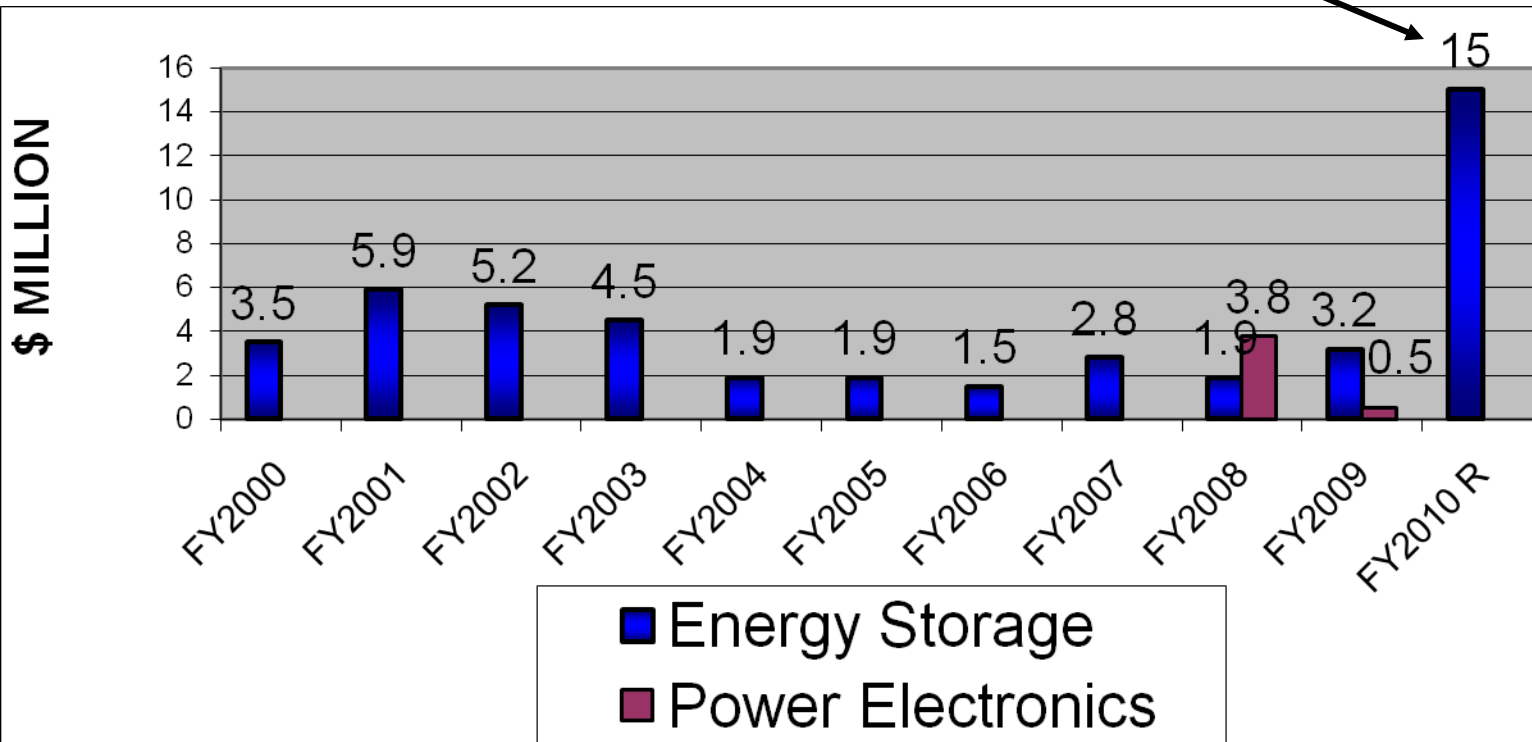
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- PNNL received first ESSP funding in FY09
  - Materials research on Li batteries, flow batteries and new sodium sulfur battery
  - Grid modeling including energy storage
- Secy. Chu reemphasizing research area of program



# Energy Storage and Power Electronic Systems Program Funding

FY10 Request



Earmarks removed





# Summary

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- Power Electronics R&D moved back into energy storage related applications
- Energy Storage continues to draw increasing attention and new interest
  - EESAT 2009 drew over 220 participants in Seattle
  - ESA 2009 drew over 300 participants in Washington DC
- FY10 budget picture is very promising

