



Over the years, an electronic newsletter entitled “*Superconductivity News Update*” has been distributed to many stakeholders. Each issue premieres new technology, events, and other information pertaining to superconductivity. This newsletter is an invaluable resource for superconductivity stakeholders and many others who are interested in this clean new energy technology. In an effort to enhance the newsletter, a website has been developed to provide up-to-date information about superconductivity. We encourage you to visit the site www.superconductivitynewsupdate.com and sign up for the “*Superconductivity News Update*” electronic newsletter, which is issued approximately once every two months.

What Can Superconductivity Do?

Conserve energy!

More than ten percent of energy generated gets lost in transmission through heat losses and other circumstances—energy that never makes it to its destination. In the United States, the amount of electricity lost due to inefficiencies in the power delivery system is equivalent to all the electricity consumed in Africa. Superconductivity could cut this loss in half!

Promote renewable energy technologies!

In some areas, additional generation of electricity from renewable sources of energy such as wind, solar, geothermal and biomass might not be able to be used economically due to inaccessibility to the grid. However, superconducting technology can replace present grid segments with greatly enhanced capacity and efficiency, thereby giving the grid more flexibility and the ability to accept more renewable generation.

Protect the environment!

Superconductivity will help lessen greenhouse gas emissions thought to contribute to climate change, and will save billions of dollars in energy bills—enhancing the economy and the environment alike. In addition, superconducting power equipment itself will be more environmentally friendly, containing no flammable oil for coolant or insulation.

Save money!

When superconducting materials become a standard component for electrical equipment and are fully integrated into the electric generation and utility sectors, the technology is expected to save \$8 billion per year in reduced energy losses. An additional \$8 billion can be saved with the installation of superconducting transformers and electric motors. That’s a savings benefit total of \$16 billion per year from the full implementation of currently envisioned superconducting electric power equipment! Utilities will have the opportunity to pass the savings on to their customers.



States Involved in Superconductivity

For more information, please check out www.superconductivitynewsupdate.com

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