



**Newsletter, August 2002**

## ***It's happening now, don't miss it!***

Evidence that interest in electrical energy storage is growing is coming from many directions. The British Institution of Electrical Engineers recently held a seminar to discuss a response to the UK Government's proposals for an energy policy. Delegates were invited to indicate topics of concern and importance. The most promising area for development was "Storage and demand side management" and in the subject of innovation "Storage, demand reduction and energy efficiency" came second, just behind network innovations. More details are on the web at [www.iee.org](http://www.iee.org) (Non IEE members may be required to register, follow the links to the professional network).

The American IEEE Power Engineering Society held a meeting in July, Ali Nourai presented a paper on behalf of the ESA and was one of the three panelists on the Advances in Energy Storage Technologies session. The title of the paper was "Large-Scale Electricity Storage Technologies for Energy Management" and a copy will be available soon on our website.

### **Alaskans build the biggest battery in the business**

Energy storage achieved cover billing in the July 2002 issue of Modern Power Systems, with references to the Golden Valley battery project on the cover and a project update inside together with a report on EESAT.

---

### **ESA Meeting October 10,11 Milwaukee, WI: *Energy Storage at Work Today***

All members and friends should have received an e-mail with the program and registration form for our Fall meeting. Please complete the form, and book your hotel room by September 9<sup>th</sup>. It will be a great meeting, with updates on the latest projects, presentations on key technical issues, keynote address and a panel session on economics. The program also includes presentations on electricity storage applications and a reception and dinner at the Wisconsin Club. This will be a superb opportunity to dine in this historic building which was originally built as a residence in 1848. Our guest speaker is Dr Cyril Krolick who will speak on "The Rationale for an All

Electric Navy." We expect a most informative and topical address, which should cover the need, selection and use of large scale (multi megawatt) electrical energy storage on board warships and support vessels in Naval and maritime use.

Two of our members' facilities are near to Milwaukee: ZBB - developers and manufacturers of the zinc bromine flow battery, and S&C Electric Company - who have a range of products for solving power-quality problems. The ESA meeting agenda permits visits to both of these facilities.

## Members' Benefits

ESA members are invited to give a short news brief in the closing session of the ESA meeting. Members can update recent news or make a fresh announcement. Contributions are limited to 5 minutes maximum and should be booked with the meeting organiser, Brad Roberts, before the meeting.

Members may also display posters or other information at the meeting. Please advise the meeting organiser to reserve space.

You can register now on our website for membership and this will include registration for this meeting. Make sure that you have marked the dates, keep them clear, reserve your travel plans and we look forward to seeing you there!

---

## Member News

Vantack VRB have announced that they will be supplying a 200 kW, 4 hour VRB to the King Island Renewable Energy Expansion Project, which is being developed by Hydro Tasmania. King Island is between Tasmania and the Australian Mainland, so this is another flow-battery installation in the Southern Hemisphere.

American Superconductor's industrial PQ-SMES installed in Gleisdorf, Austria, which has been operating since June 1999, is now Europe's longest continuously running electric power application based on superconductivity. The PQ-SMES system, operated by the Steweag-Steg electric utility can ride through sags of up to 0.8 seconds and up to 1.4 megawatts. It can bridge power dips lasting even longer when the electric load is lighter.

AEP, NGK and ABB have installed a NAS battery system at AEP's Gahanna office complex near Columbus. The battery system provides power quality protection and daily peak shaving and will be formally commissioned in September 2002.

Urenco Power Technologies has just been awarded a €500,000 contract to install the KESS tr200 series energy storage system on the Lyon Metro in France. The KESS will help to manage store and make readily available energy on the three lines of the metro by acting as a constantly available sink for braking trains.

## Future Events and Member News

We are always happy to include some short items from members for this newsletter. If you have information about projects, products or other news that you would like published in this format please send them to [newsletter@electricitystorage.org](mailto:newsletter@electricitystorage.org)

ESA website [www.electricitystorage.org](http://www.electricitystorage.org)



The Electricity Storage Association  
1295 Kelly Park Circle  
Morgan Hill  
CA 95037  
USA

telephone +1 408 607 2899