



The Energy Storage Association

Newsletter, November 2000

The Energy Storage Scene Is Changing

The biggest highlight of the past few months was the EESAT 2000 conference. Held in Orlando in the heart of the sunshine state of Florida, the conference venue should have been worthy of a visit. But the poor weather, which accompanied a series of hurricanes and tropical storms, couldn't dampen the enthusiasm of more than 100 attendees for energy storage. There was a buzz throughout the whole meeting, from the opening address to the closing presentation that indicated one thing: energy storage has arrived.

The Energy Storage Association has also changed. We are now a global organization, linked directly at events such as EESAT and the ESA meetings, and through our networks of contacts, email and the internet. We have as many representatives from North America as we do in the rest of the world.

EESAT 2000

The ESA was a sponsor of the conference and we used the opportunity to spread the message that energy storage products can be used in modern power systems. Many ESA members were there and there were many networking opportunities. We were all made very aware of some startling changes, starting with Bill Parks of the Department of Energy's keynote address. His scenario of the energy outlook contained comments on the insatiable demand for energy, electricity price spikes, power quality and reliability concerns, ageing electrical infrastructure and low capacity margins. Set against current concerns for the climate change, Bill Parks predicted disruptive change ahead, an ideal scenario for energy storage! His office in the Department of Energy wanted to address the barriers to an improved world for the power industry. Having set the scene the following presentations gave

many encouraging views on how energy storage was changing and will change the power industry.

The financial community now views energy storage as a sector in its own right. Rich Aube of the Beacon Group gave his perspective on being a venture capitalist in energy storage technologies. He saw storage as a critical link in the power sector. Energy storage technologies held the key to managing power and control power systems on the network. Storage could reduce peak demand, thereby reducing peak capital for excess peaking capacity, creating opportunities for new enterprises to play a merchant role. Storage was also a critical part of the reliability and power quality arena. We are now seeing a number of developers of storage raising funds through IPO's and this is creating great interest in storage.

The ESA and the financial community

We have been receiving a number of hits on our website from financial institutions, investors and other seeking information about energy storage, both in general and on specific companies. Already, the ESA website has been quoted in brokers' reports as a source of information on storage and its applications. We would like to encourage financial institutions (investment banks, analysts, and venture capital funds) to join us as members. Increasing our membership base will give us a stronger platform to develop our

services, principally the provision of information about storage.

The ESA website

The website is under continual review, and if members have information (but not direct advertising) that could be added please forward it by email to info@energystorage.org Please would members take a moment to check their membership listing on the website. This free advertisement service is a member benefit. Many visitors to the site use the links as a means of contacting members so **please help us to keep this information accurate.**

The IEEE Power Engineering Society

January 29 – February 1, 2001

The ESA held a panel session during the IEEE summer meeting in Seattle in July 2000. You can download the ESA presentations from our website. We are following this up by participating in a panel session entitled, "**Energy Storage: Helping Meet the Challenges of Electricity Supply in the 21st Century.**" at the IEEE Power Engineering Society Winter Meeting, **January 29 - February 1, 2001** in Columbus, Ohio.

The session, sponsored by the PES Stationary Battery Committee, also includes presentations by ESA members and others. Energy storage solutions to be discussed include those based on conventional batteries, flow batteries and SMES. Contact Jim McDowall of SAFT jim.mcdowall@saftamerica.com for more information, or use the hot link on our website.

Distributech, Vienna

Gerard Thissen of KEMA, and Anthony Price of Innogy represented the ESA in a session on energy storage at the Distributech conference in Vienna in October 2000. Copies of the presentations are on our website. The session was well attended and created a good discussion on storage technologies, applications and the ESA from the mainly European audience.

New Technical and Strategic Advances in Commercially Viable Electricity Storage, January 30 & 31, 2001 - London, UK

As part of our aim of spreading the news about energy storage, the ESA Board suggested working in co-operation with a

number of commercial organisations. We approached several conference groups and we have agreed to support a conference on New Technical and Strategic Advances in Commercially Viable Electricity Storage on January 30 & 31, 2001 in London. The conference will address the issues of storage, looking at costs, value of services, use of storage in electricity trading arrangements and integration with renewables. A number of ESA members have been invited as speakers. With the wide publicity that a commercial organisation can give, we

expect that this will be a popular and well attended meeting, which will reach a number of people and companies that may not be familiar with our work.

UBS Warburg's Global Utilities Conference

ESA members will receive the early bird discount of £100 on their attendance fee for this conference (even if they book late!). Details of how to book at this reduced rate will be sent directly to all members. If you have not received these details please email us info@energystorage.org and we will send the appropriate booking code. { – sorry that this clashes with the PES meeting, but they are on different sides of the globe! }

We have been invited to make a presentation and join a panel session on "New Technology, dream or reality?" at UBS Warburg's Conference in New York on 4 December. Invitations to the conference are being sent out by UBSW. If anyone has high quality photographs of energy storage products or applications that could be included in a presentation, please e-mail them to Anthony.price@innogy.com by Tuesday 28 November.

Spring 2001 meeting **"Electric Power Delivery Reliability** **Improvements through Energy Storage"**

We have already circulated details of next year's Spring 2001 ESA Meeting. The meeting is being hosted by TVA in Chattanooga, Tennessee on April 26-27,

Please make sure that this meeting is on your schedule, and encourage your colleagues and contacts to attend as well. The meeting will include a tour of TVA's transmission dispatch and power exchange along with a tour of TVA's 1600 MVA Raccoon Mountain pumped hydroelectric storage facility. An optional tour of EPRI's Power Electronic Applications Center (PEAC) will be given after the meeting. **See the Call for Presentations on the website.**

A reminder that member organisations can send any number of attendees to the meetings at the additional delegate's rate. Members also have the opportunity to use a tabletop display during the meeting and to take part in the closing news update session. Feedback from our recent meetings has been very positive about these member benefits. The attendees welcome the chance to hear short, up to date industry news, and our members have great opportunity to publicise their most recent announcements.

E mail contact list

If you are not the named contact in your organisation, perhaps you would consider registering on our website as an additional representative. This way, we can keep you all informed about our news and events.

Japan Tour 2000

Our Chairman, Dr Phil Symons and Mr Takayama of NGK both put considerable effort into making arrangements for the

ESA Japan Tour 2000, which would have been at the end of October 2000. The visit would have included a number of companies and sites in Japan with demonstrations of energy storage. It was also hoped to hold an ESA meeting in Japan. We are extremely disappointed that members did not, or were not able to, give this event their support. The possibility of a smaller, private visit early next year to some of the facilities in Japan is being considered. If any member is still interested, please e-mail Gerard Thissen G.Thijssen@kema.nl before December 1.

Forum Dezentrale Energiesysteme (Distributed Generation Forum)

A reminder that ESA members may attend meetings of this Forum by paying only the meeting attendance fee. The Forum meets in Germany, usually at the offices of EUS in Gelsenkirchen. More information can be found on their website www.eus.de

Memorial: Gene Cook

Gene Cook was one of the small group of individuals who had been associated with the ESA since its formation. Gene worked for Yuasa, and represented their interests at the ESA. Sadly, we have to report that Gene died during the summer after suffering from cancer for many months. We send our deepest sympathies to his family, and we remember his contribution to our meetings and organisation over the past years.

Comments from members

The ESA is a “not-for-profit” organisation, and we are continuing to run on a tight budget. The Board of Directors serve on a voluntary basis, and many of our members also contribute their services and support. Recently, the Board authorised secretarial and administrative support, primarily for our Chairman. We will be keeping our status and strategy under review. However if members do have any comments, please contact a board member so we can take your feedback into account.

We also make sure that we provide the most accurate and up to date information and news, particularly when the ESA is represented at external meetings and events, but we don't claim to be perfect! Again, if you have any comments or suggestions please let us know. Items for the newsletter, particularly with photographs, are very welcome.

.....and finally.....

it's coming round to the end of the year. The ESA board of Directors is considering the fees structure for the coming year. The good news is that we are looking at a number of options, which include a reduction in membership fees for the year 2001. If any member has a suggestion for the fee structure please e-mail Gerard Thissen G.Thijssen@kema.nl before December 1. We would particularly like to hear from representatives of utility companies, together with their comments on the level of meeting costs.

We will be sending out renewal notices for membership fees shortly. Please continue your support for the ESA. We are increasingly recognized as the leading international group on energy storage. With your support we will enhance that position. Please let us know if you have a contact in another company who we could welcome as a new member.

2000 was a very productive year for the ESA. We expect a great year in 2001.

ESA website www.energystorage.org