



NEWSLETTER

Issue 4 2006

This newsletter aims at keeping members up to date with a range of news articles including updates on consultations, policies, funding and research opportunities, forthcoming events, career and recruitment news, and trade leads in all areas of the UK hydropower industry.

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New Chairman for BHA



At the recent BHA AGM it was announced that Andy Billcliff of RWEpower would take over as Chairman for the Association after Nick Pike, who had served as Chairman for the past year, stepped down.

Andy, who is currently head of Renewables production for npower, has over 15 years experience in the hydro industry (25 in electricity supply), was previously with Vickers Shipbuilding, Merchant Navy, CEGB, National Power and Innogy. He has been involved in development and operation of Hydro plants from 90-10000KW, including Stanley Mill, Croesor, Cynwyd, Braevallich and Dolgarrog. He is currently sitting on EAHWG and is used to public speaking, meeting key opinion formers and stakeholders and getting his message across. Andy has experience in all aspects of Hydropower including liaising with regulatory bodies, local and central government, Scottish parliament and the Welsh assembly.

Andy believes that companies, both large and small, should support their trade association and he will actively encourage this. I'm sure that all the membership of the BHA wishes Andy all the best for his coming year as Chairman.

BHA Annual General Meeting

Ashlawn House in Rugby was the setting for this year's AGM. Nick Pike, who stood down as Chairman on 30th September, opened the meeting. The minutes of last year's AGM were approved and signed off by the Chairman. Nick Pike presented the financial report, and Professor David Williams gave a presentation reviewing the Association's activities over the last year and the plans for the future.

Current issues discussed at the AGM included The Energy Review, ROCs, the Water Framework Directive, and Rates. Ollie Paish presented "UK Micro Hydro – A New Lease of Life" There then followed a presentation from Tom Jardine titled "Construction of a Barrage Project". The AGM was closed at 5pm and was followed by the first BHA Annual Dinner at Ashlawn House. The BHA would like to thank Paul Lane and the staff of Alstom's Ashlawn House and the members who attended the AGM for making it such a success.

WANTED - SMEs with big ideas on climate change

The Shell Springboard fund is now open for a second round, giving a cash boost to small businesses with a product or service that helps to reduce

greenhouse gas emissions. Tackling climate change is not just about cost and compliance; if you've got a great idea (and a sound business plan), it could be a huge opportunity. Awards of between £20,000 and £40,000 will be available in early 2007. You may be able to benefit from this, or know someone who could. To be eligible your product or service must reduce greenhouse gases, be innovative and commercially viable. You must have been in business for at least three months, as a sole trader or a company employing fewer than 250 people.

The application deadline is 10 November 2006. For further details go to www.shellspringboard.org to find out more.

Ashden Awards for Sustainable Energy for 2007

On the 16th August 2006 the Ashden Awards for Sustainable Energy announced that they are now looking for entries for the 2007 awards.

The Awards, now in their 7th year, will take place at The Royal Geographical Society in London in June 2007. There is over £140,000 in prize money on offer for the best sustainable energy solutions. The three categories, with first prizes of up to £30,000 each and second prizes of up to £10,000 each, are Renewable Energy, Energy Efficiency, and Energy Business. There will also be a special award, launched in 2006, for schools.

The important rule to remember is that all projects must have been operational for at least one year - start-ups do not qualify and will not be considered for an Award. **Closing date for applications is 21st November 2006.** For more information, including how to apply for an award, visit: www.ashdenawards.org.

Warning on NFFO surpluses

ROC income earned by NFFO projects is collected by the NFPA and renewable energy organisations and sustainable development bodies have long argued that this income should be used for further development in the sector and in Scotland it is but there have been reports in England and Wales the position is less clear. The Energy Minister, Malcolm Wicks, told Parliament that the surplus would be £500m by 2008. The National Audit Office said that the Government should "explain to Parliament the origin of these funds and how they will be treated". However, DTI has agreed to hand over the bulk of the fund each year to HM Treasury and has handed over £60m already. Treasury and DTI has justified this by claiming the NFFO Fund is a "Hereditary revenue of the Crown". What are your views on this issue? Should BHA take a position?

Adrian Abbott, Policy & Consultations Manager

Wessex Micro-Hydro Seminar Review

The first in what will be a series of regional one-day seminars being run by the BHA was launched at The Springhead Trust in Shaftesbury Dorset on August 21st 2006. The seminar was well attended by various landowners, community groups, local authorities, representatives from the Environment Agency and various hydro companies. It was opened by BHA Chief Executive Officer, Professor David Williams, and incorporated a series of presentations including advice

about how to get started, real-life case studies, the costs involved and the returns, and the perspective both locally and nationally by the Environment Agency. A question and answers session was followed by a site visit to Peggs Mill, which is owned by John Hooper in Iwerne Minster Dorset.



The aim of the seminar was to enable networking with case studies and to provide appreciation of the Environment Agency's stance on such schemes, along with the trading process that is open to developers. The case studies from Graham Gregg and Craig Taylor were extremely informative and, as both projects are in progress, we were able to learn of common site and permission/licensing frustrations. However, enthusiasm was paramount in both schemes and we were able to discuss ways to overcome barriers.



A healthy debate ensued on the cost versus dependability/service of equipment manufacturers, which highlighted the variety of choice that is now available on the market. Tim Foster (SmartestEnergy) gave a presentation on the electricity market that provided an insight into the potential ways to maximise earnings from a hydro site.

Above all, it was the networking over coffee breaks and lunch that seemed to benefit participants most. The presentations gave a background on which people were able to discuss their own projects and ideas. After the seminar, a visit to a potential site on the River Stour rounded off the day. This was the first of many such meetings to be held around the country.

Day Tour of Six Hydropower Installations

The South Somerset Hydropower group has announced that they are to hold a one-day tour of six hydropower sites on Saturday 11th November 2006. The sites on the tour will be Cole Manor Bruton, Carey's Mill Martock, Clapton Mill Crewkerne, Court Mill Wadeford, Cutterne Mill Evercrech and Gants Mill Bruton. During the tour visitors will be able to compare Crossflow, Kaplan and Francis turbines, Ossberger and Valley Hydro crossflows, analogue and digital mainscon

systems and Turnkey installations and self-build. The guided tour on each site will be lead by the site owner; there will also be an Engineer from Hydro Generation Ltd on the tour to discuss technical matters. The tour costs £55 which includes all travel from and return to Bruton by coach/minibus, morning coffee, buffet lunch and afternoon tea. Bed and breakfast can be arranged if required. Closing date for bookings is 3rd November. For contact details please see forthcoming events section.

The Great Godalming Hydropower Challenge

In 1881 Godalming in Surrey provided the first public lighting system to its citizens. The electricity was generated from a low-head hydropower plant on the river Wey which is now, no longer there – only the waterways exist. BHA was approached by Godalming Museum to assist in celebrating this event and we helped by providing sources of exhibition material. However, we jointly decided that more participation was required and "The Great Godalming Hydropower Challenge" was launched. The challenge invited entrants to build a water turbine. Six entrants made a range of machines, which developed varying amounts of power. All but one were family entries with the children playing a major part in the construction and testing phases. A remarkable resourceful use of re-cycled materials was apparent in all the turbines. Judging took place over a complete afternoon at various locations chosen by the entrants on the Wey and all the channels and mill races in the town and at the museum itself. Briefly, the entries were:

- A turbine made from a bicycle wheel with buckets made from the small milk cartons used in hotels
- A beautiful model of a watermill taken from the 1810 version of the Encyclopaedia Britannica driving a home made generator
- A paddle wheel which was adapted to light bulbs to comply with the competition but normally pumped water to a steeply banking garden using an 18th century "Wirz" pumping design.
- A hand-held "streamflow" turbine made expertly from a broom handle, Meccano and a Second World War ammeter
- A "Gorlov" turbine made from a 5 litre paint tin, beautifully modelled into an aeroform helix.



The winners were Ronnie and Alexander Bignell (see newspaper article in the BHA Library on the website) who had researched, designed and expertly constructed and decorated their turbine which ran like a dream! They are

being entertained to a day at Dolgarrog by npower renewables later in October to celebrate their victory.



This was a worthwhile and exciting exercise that is worth replicating to increase the public's knowledge of hydropower. Our initial ideas revolve around making it a project for schools.

Toll House Hydro Project opened in Guilford

On 9 September, the mayor of Guilford inaugurated the Toll House hydro project in the middle of Guilford.

Originally a water-powered pumping station used to pump water to the town's reservoir, the scheme was de-commissioned in 1990. The new project was contracted to Osborne by the Borough Council and installation was completed in August. BHA member, Derwent Hydro carried out the M&E work using a redundant Gilkes open penstock Francis turbine, which they refurbished as part of the contract. Oliver Paish of Derwent Hydro was obviously delighted with the result and claimed that it had been an exceptionally interesting and exciting project on which to work.

The opening ceremony was, by chance, on the same weekend as the judging of the "Great Godalming Hydropower Challenge" (see above article) and to have these two differing hydropower events so close together shows that there is a part of Surrey which is forever hydropower!

The interim findings of the Conservative Party's Energy Review

Like the Government's Energy Review, the review by the Conservative Party concentrates on electricity generation. In summary the conclusions of the interim findings of the Conservative Party's Energy Review published at the end of July are:

- The strategic objectives for Britain's future energy policy should be to reduce carbon emissions from the electricity supply industry and to guarantee affordable security of electricity supply.
- Two key principles underpin the Conservative Party's policy direction are that:
 - the *government's role* should be to set the right framework for emissions reductions and energy security (rather than specifying a particular mix of electricity; and that
 - *industry's role* should be to develop the best and most affordable technology within this framework.
- There are three key components to the Party's policy direction:

- Developing a long-term '**cap and trade**' regime for carbon emissions, to guarantee carbon reduction;
- Establishing a **capacity payment** system, to guarantee sufficient electricity generating capacity, and improving the regulatory structure for renewable and decentralised energy – including a remit for Ofgem.
 - To spark a revolution in **green energy**.
- The aim is to create a level playing field to give green energy a chance
- On nuclear power, planning procedures need to be amended to allow for type and site approval for nuclear investment – just as planning procedures should be improved for renewable and decentralised energy sources
- There must be total transparency over the full lifetime costs of nuclear power, clarity over nuclear waste, and no subsidies or special favours.

Adrian Abbott, Policy & Consultations Manager

River Basin Planning Guidance

Defra has issued River Basin Planning Guidance, statutory guidance to the Environment Agency on the practical implementation as part of Water Framework Directive. It sets out Ministerial expectations for the key steps and principles of the river basin planning process and the content of the documents it must produce:

- Statements of steps and consultation measures;
- Summaries of significant water management matters;
- Draft River Basin Management Plans and River Basin Management Plans

The guidance directs the EA to submit the first River Basin Management Plan for each river basin district by 22nd September 2009.

Adrian Abbott, Policy and Consultations Manager

Royal Society of Edinburgh Energy Inquiry

The final report of the inquiry into energy issues in Scotland until 2050 by the Royal Society of Edinburgh (RSE) has been published. The BHA contributed to the inquiry. The RSE propose the following approach:

A strategic aim - A secure, competitive, socially equitable, and low carbon emissions supply of energy for Scotland.

Four specific objectives - To encourage energy efficiency to the benefit of economic development; to ensure that energy availability contributes to improvements in social benefits to Scotland's people; to minimise adverse environmental effect, both locally and globally; and to capitalise on the natural energy resources of Scotland in an economically viable and environmentally sensitive way.

Four components of action - Energy efficiency; cleaner energy sources; research, development and demonstration of renewable and low carbon technologies; and more effective instruments.

The report proposes action on strategy and policy by the UK government and the Scottish Executive (SE). It recommends changes to the institutional structures for energy, urging the SE to seek approval for an Energy Agency for Scotland and more effective instruments to promote the more efficient use of energy. The RSE recommends a multi-pronged approach on the reduction of greenhouse gas emissions and the achievement of

secure energy supply. It proposes improved incentives to encourage the substitution of fossil fuels by biofuels in the transport and heat sectors. The report (full and summary) is available at www.royalsoced.org.uk

Adrian Abbott, Policy & Consultations Manager

The Environment Agency's report on business performance in 2005

The report of the Environment Agency (EA) on environmental performance in 2005 "*The environment: what's in it for you? Spotlight on business*" gives a sector-by-sector view on performance. Although hydropower is not covered separately, it would be included in the fuel and power sector. This sector covering 508 enterprises including oil installations and thermal power plants including nuclear power stations. The EA's regulatory activities in this sector cover; 48 Pollution Prevention and Control permits, 233 Integrated Pollution Control permits, abstraction licences and consents to discharge to water. The fuel and power industry is the most resource intensive sector utilising huge quantities of water and fuel. Under the EA's Compliance Classification Scheme the sectors performance, or potential for environmental harm is relatively good. Other sectors covered are retail & wholesale, construction, minerals, food & drink, chemicals, metals, water, paper & pulp, waste and farming. For copies or the report contact EA at: Environment Agency Southern Region, Guildbourne House, Chatsworth Road, Worthing BN11 1LD (Tel: 08708 506 506) or it may be downloaded from the EA website: <http://environment-agency.gov.uk/business>

Adrian Abbott, Policy & Consultations Manager

Launch of interactive map of UK renewable energy projects

On August 26th 2006 the DTI launched the "Interactive map of UK renewable energy projects". This new facility will provide individuals with useful information on renewable energy projects and their status through the United Kingdom. The map will include information regarding hydro electric, on and offshore wind farms, solar power and biofuel projects. There will also be a description of the projects including status – approved, under construction, operational and their installed capacity. The site also contains quarterly reports including separate statistical updates on the delivery of renewable energy schemes in the UK. It is planned by the end of September to have automated queries available to interrogate the data by technology or region. With the Government's recent Energy Review in mind which outlined plans for another big push on renewables up to 2020 this new facility will let users at the click of a mouse easily track and monitor different projects being developed across the British Isles. You can access the website by logging on to <http://maps.restats.org.uk>

Renewables Obligation 2005-2006

On 12th September Ofgem published information on the size of the Renewables Obligation for the fourth period of the scheme, which ended in March this year. The Renewables Obligation sets targets for electricity suppliers to source an increasing portion of the electricity they sell from renewables. According to

information received to date from suppliers, the total Renewable Obligation on electricity supplied to customers across the UK is 18,020,282 MWh: 16,163,284 MWh in England & Wales, 1,648,679 MWh in Scotland and 208,319MWh In Northern Ireland. Electricity suppliers must comply with their Renewable Obligations for 2005-2006 before 1st October 2006. They can do this by either producing Renewable Obligations Certificates (ROCs) to the value of 5.5% of electricity supplied to customers, by using a buy-out clause which allows them to pay £32.33 per MWh for any shortfall or by using a combination of ROCs and buy-out. Four suppliers went into administration during the 2005-2006 obligation period – Eledor Limited, The Team Group of Companies Limited, Utility Link Limited and Zest4 Electricity Limited. Ofgem has received sufficient information on electricity supplied from two administrators, and this information is included in the total size of the Renewable Obligation for England & Wales and Scotland. They are continuing to work with the administrators of the other companies to obtain the necessary information on which to confirm their obligations and will issue a further information note about this issue. The target for 2006-2007 is 6.7%. In England & Wales and Scotland the target reaches 15.4% in 2015-2016 and remains at this level until 2026/2027. In Northern Ireland, the target started at 2.5% in 2005-2006 and reaches 6.3% in 2015-2016 and remains at that level until 2026-2027.

Adrian Abbott, Policy & Consultations Manager

BHA Library on-line

Visitors to the BHA website may have noticed a recent addition to the many features on the site. Following on from the recent availability of the presentations and papers from Hydroenergia 2006, we are pleased to announce the launch of the BHA library.

Over the coming months we shall be adding articles from various publications that are either about or have been written by our members. At present the library contains 10 articles ranging from "The UK Hydropower sector today" Written by Professor David Williams, Adrian Abbott and Ellan Parry, to a recent piece about the Great Hydropower Challenge, an event which was organised by artist Stephen Goddard and the Godalming Trust in association with the BHA as part of Heritage open day and the 125th anniversary of Godalming being the first town in the world to have a public electricity supply, powered by the River Wey which first appeared in The Surrey Advertiser (see above).

Journal of Fluid Mechanics Digital Archive 1956 – 1996 now available

Cambridge University Press recently announced that the first forty years of The Journal of Fluid Mechanics has now been digitised allowing for a functional archive which can be fully searchable using keyword, formula, etc. Cambridge University Press has advised that Institutional access can be either bought outright or by an annual lease. The cost of this service does depend on the total potential number of users within an organisation or FTEs.

For further details please contact Samantha Davis, Journals Sales administrator, Cambridge University Press, The Edinburgh Building, Shaftesbury Road, Cambridge, Uk, CB2 2RU. Tel: +44 (0) 1223 326192.

Volunteers needed in Wales

The management team for the Talybont-on-Usk Energy Company are looking for more volunteers to join them. While the company are looking for people to carry out general duties they are looking for people who would be interested in daily monitoring and basic maintenance of the turbine. There is also a second project, which involves a disused water mill that they would like to restore to a working condition. As funds are low they are on the look out for someone who could do the feasibility study at either a low cost, or ideally, for free. If you can help please contact Chris Borkett at chris@shawston.co.uk

CAMS

Thaw & Cadoxton - The BHA has received a copy of the final document and the technical document on the Thaw & Cadoxton CAMS. Copies can be obtained from: Regulatory Officer (Thaw & Cadoxton CAMS), Regulatory Water Resources, Environment Agency Wales, Rivers House, St Mellons Business Park, Cardiff CF3 0EY. The review of the CAMS will begin in April 2009 for publication in March 2011. Annual up-dates will be available from the EA web site: www.environment-agency.gov.uk

Tees – An awareness-raising leaflet has been published by the Environment Agency. The Tees CAMS covers the catchment of the river Tees, which rises in the Pennine hills and flows east/southeast for 160km to the North Sea just northeast of Middlesbrough. There are two major waterfalls in the upper reaches of the river Tees at Cauldron Snout and High Force. The Tees is joined by the river Skerne at Darlington and the river

Leven above Stockton-on-Tees. The Tees is an important water supply river. The river is supplemented by a compensation flow from Cow Green reservoir in dry periods and releases from Kielder reservoir in Northumberland can also be used to main flow if necessary. Comments are invited by 25th October 2006. ***Please let us have your views by Friday 20th October for inclusion in the BHA response.***

Derwent, West Cumbria & Duddon – This includes the rivers rising in the Lake District and flowing to the Irish Sea at the Cumbrian coast. These include the river Derwent and its tributaries the Greta, Cocker and Marron; the rivers Wampool, Waver, and Ellenflowing to the north Cumbrian coast and the rivers Ehen, Calder, Irt, Esk and Duddon in the south. There are a large number of sites designated for their environmental importance. The largest abstractions are for public water supply (from Crummock Water, Ennerdale and a number of smaller reservoirs for the area and from Thirlmere for elsewhere in the North-West) and from Wast Water for the Sellafield site. The Consultation document invites comments by 15th November 2006. ***Please let us have your comments or views by Friday 10th November.***

Usk – The Environment Agency has published the Usk CAMS consultation document. The Usk CAMS which cover the catchment of the river Usk from its source in the Black Mountains passes through Brecon, skirts Abergavenny and flows through Newport into the Severn Estuary. The consultation document invites comments by 30th November 2006. We shall prepare a BHA response. ***Please let us have your comments or view by Friday 24th November.***

Adrian Abbott, Policy and Consultations Manager

EXPOSure

Hydro news from around the globe

A Hydro 2006 Review will appear in the next edition of the Newsletter



Tapping into the potential in South and Southeast Asia

The countries in Asia with the most rapidly developing economies all have major programmes of renewable energy development underway. Many other countries in Asia have vast potential waiting to be developed and an urgent need to accelerate this development. The British Hydropower Association (BHA), in conjunction with UK Trade & Investment and the Department of Trade & Industry, invite British companies from *the whole of the UK renewable energy sector* to participate in a Trade Mission and International Symposium in Bangkok and the Philippines, which will incorporate two seminars providing opportunities for UK companies to showcase the experience, expertise and potential offered in all renewable technologies to the global marketplace.

UK Hydropower Seminar and Pavilion at "Water Resources & Renewable Energy Development in Asia"

Bangkok, Thailand – 29th Nov to 1st Dec 2006

This two-day International Symposium will bring together international experts concerned with the development of dams and renewable energy schemes throughout Asia but with particular emphasis on the Mekong region, where a number of hydropower projects are underway and planned. Collaboration with these countries through power purchase agreements is assisting the development of hydropower projects, for which there is huge potential, both for domestic needs and for export.

In conjunction with UKTI and DTI, BHA will be holding a seminar on 29th November, in which participating companies can present the products, services, benefits and expertise that they offer, to an audience consisting of key players and decision-makers in South and Southeast Asia's growing renewable energy markets, including Thailand, Laos, Malaysia, Indonesia, China, Cambodia, Russia, India and Vietnam (forming a continuation of the work carried out by the BHA during its outward mission to Vietnam & Laos in 2005). This will provide speakers from UK industry with the opportunity to explain how they can benefit renewables development in this global region. General speakers from relevant government delegations will also be invited to speak – hence we aim to both educate and be educated.

A technical exhibition will run concurrently with the Symposium and, with support from UKTI and the Department of Trade & Industry (DTI), we have reserved a four-booth stand in a prominent location within the exhibition area in which to represent the UK hydro industry in a UK pavilion.

We are currently looking for expressions of interest from companies that may like to exhibit with us on the UK pavilion at this event and/or participate in the seminar. Places are limited and are available on a first come, first served basis so please register your interest with us as soon as possible (info@british-hydro.org). *As a UK Trade & Investment TAP accredited Trade Association, we are able to apply for grants to be paid to qualifying participating SMEs for both of these events.*

Trade Mission and Seminar in The Philippines

The Philippine Department of Energy traditionally celebrates National Energy Week in the first week of December. This year's celebration will be on 4-8 December with various seminars, workshops and exhibitions. Participants will include the Asian Development Bank, World Energy Centre, World Bank, ASEAN Centre for Energy, WEC Renewables Group and Development Bank of the Philippines, along with government agencies, private developers and electricity suppliers.

In conjunction with the British Embassy, the BHA will be bringing UK companies to promote their products, services, skills and expertise and to maximise on the opportunities for increasing their export potential in this part of the world. This Trade Mission will provide UK delegates with the opportunity to attend and network with Philippine energy officials from government and industry in the different planned

events. A Welcome Cocktail Reception for UK delegates will be hosted by the British Embassy.

We will also be holding a UK Seminar on **Wednesday 6th December**. Officials from relevant government energy agencies, private power developers, local government units and electricity co-operatives looking into hydropower developments shall be invited to participate. One-to-one meetings can be arranged at the end of the seminar to allow participants to discuss specific business concerns with the individual mission members.

We are currently looking for expressions of interest from companies wishing to join our Trade Mission and/or participate in the seminar. Please contact the BHA for more information (tel; 01202 880333 or email info@british-hydro.org). *Places are limited and are available on a first come, first served basis so please register your interest with us as soon as possible.*

Commission Sets Intent For New Electricity Market Legislation

In a news interview on 11th September, José Barroso, President of the European Commission, said "*I am more convinced than ever that we need new legislation on (energy) regulation*".

Mr Barroso says he wants to ensure better access to the EU energy market, and greater muscle to regulators to oversee compliance with EU rules. "*The status quo isn't working. We have to decide how we can most effectively reform the system to the benefit of business and consumers*". He argued that current EU rules calling for legal unbundling of grid operation from competitive activities have failed to create competition, and the large national energy must be exposed to greater competition or be broken up. Mr Barroso suggested some national regulators are too close to government and power companies and there was the need to strengthen the power of regulation, possibly by setting up an EU energy regulator. "*We haven't achieved a completely coherent approach between national regulators. If you want an internal market to work in Europe in energy then you need some more muscle in terms of the regulators effectiveness*", he said. It has been reported that Mr Barroso wants to overhaul the EU energy market, and create a framework where four or five big pan-European companies compete across borders for retail customers and the strength to drive hard bargains with suppliers.

Adrian Abbott, Policy and Consultations Manager

Progress on the North-West Europe Regional Power Market

The energy ministers of Belgium, France, Germany, Luxemburg and the Netherlands set up a Pentalateral Energy Forum (PLEF) towards a North-West Europe power market in 2005. The PLEF was created with a view to close co-operation in order to reduce obstacles to market integration, improved cross-border trading between the participating Member States, foster market integration and grid investments and ensure security of supply on a larger scale. This co-ordination is currently taking place on various different levels. Energy ministers meet at least every three months to discuss progress made in the working groups; high-level

administration officials meet to prepare the ministerial meetings; and working groups consisting of representatives of TSOs, regulators and governments are working on the issues set out in the ministers' work plan. Currently, there are four active working groups, dedicated to: optimisation of interconnection capacity and allocation mechanisms; security of supply and new interconnections; legal obstacles; and emissions trading. The PLEF has decided to extend the Forum to the gas market. To provide input to the five-way talks, the energy industry associations of the five countries decided early this year to set up a working structure and created the North-West European Market Parties Platform (New MPP). The New MPP meets regularly to discuss how to improve market functioning and how the industry can support the process. The New MPP issued an action plan for the implementation of market transparency in the region.

Adrian Abbott, Policy and Consultations Manager

Small Hydro plants to be sold off in Montenegro

The sale of five small hydro plants by Montenegro's power utility Elektro Privreda Crne Gore (EPCG) had been approved by its company directors in August this year is awaiting approval from its shareholders at their forthcoming assembly. The plants to be sold are the 0.55 MW Rijeka Crnojevica, the 0.06 MW Lijeva Rijeka, the 1.26 MW Rijeka Musovica, the 0.40 MW Podgor and the 0.20 MW Savnik plant. They were commissioned between 1939 and 1987 account for approximately 1

percent of power produced. If the sales are approved this will leave EPCG with only two operational small hydro plants, the 5.36 MW Glava Zete and the 1.20 MW Slap Zete.

Source: H&D. Issue 5, 2006

First private plant for Vietnam With more to follow

July saw Vietnam's first private hydropower plant go into operation. The plant which is located in the M'Drac district of the Central Highlands province of Dak Lak cost VND 102 billion to build and is equipped with two 5 MW turbines. It is expected that the plants annual output will be in the region of 30 GWh, this will then be sold on to the state utility for about VND 16 billion a year. The Krong Hin plant will be operated by the Mekong Construction Company who are also planning the construction of a further two hydro plants in Dak Nong province which are scheduled to be commissioned in 2010.

Meanwhile, Vietnam's Ministry of Industry is planning to build a series of mini hydro plants during the course of the next five years. The plan is to provide electricity to rural areas, it is expected that 70 per cent will be from the national grid with 30 per cent coming from decentralized hydropower and other renewable energy sources.

Source: H&D. Issue 5, 2006



CURRENT CONSULTATIONS

Full details of the following consultations have been sent to you by separate email. Should you wish to receive these details again, please contact the BHA. Responses to be sent to info@british-hydro.org.

- **Amendments to Council Tax and Non-Domestic Rates Secondary Legislation** – Comments for inclusion in the BHA response to reach us by 31st October 2006.
- **Tees CAMS** – Comments for inclusion in the BHA response to reach us by 20th October 2006.
- **Derwent, West Cumbria and Duddon CAMS** – Comments for inclusion in the BHA response to reach us by 10th November 2006.
- **Usk CAMS** – Comments for inclusion in the BHA response to reach us by 24th November 2006.



Member Discounts



Hydropower & Dams subscription. Hydropower & Dams are offering a discount on subscriptions to the industry journal International Hydropower & Dams for BHA members. The discounted annual rate is £80 (full price £105) and the discounted 3-year subscription rate is £200 (full price £263). BHA members wishing to take this offer up just need to mark their subscription form "BHA Member" and, once their subscriptions department has confirmed BHA membership with us, they will receive the journal at the discounted rate.



Quoteline Direct are offering BHA members Gold Club Insurance. The Gold Club scheme is negotiated with over 35 of the UK's largest insurers and offers top quality cover and service with savings of up to 35%. BHA members

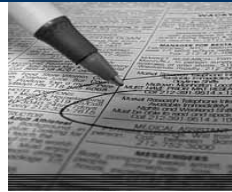
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WELCOME TO NEW MEMBERS

S M Seals Ltd – Based in Somerset, S M Seals specialise in the design, test, manufacture and supply of an extensive range of mechanical sealing solutions for the power generation industry, with particular experience in the field of hydropower.



CAREERS

Situations Vacant

CEO – HydroVenturi: HydroVenturi – the early stage VC – backed hydro technology company who have developed the ability to generate electricity from low-head streams with many fewer moving parts than standard hydro systems are searching for a CEO. The ideal person will be needed to kick-start the commercial side of the business, investigating markets in the UK and beyond and growing the company into a profitable venture. They have a 20KW demonstration project active in Derby and are continuing to refine the technology. The CEO will be tasked with further developing the product and to bring costs down. A good technical knowledge of wet renewables technologies/projects would be an advantage. For more information go to www.rustonwheb.com or contact Kira Muldoon, Research Manager, Ruston WHEB Search & Selection, 34 Queen Anne Street, London, W1G 8HE. Tel +44(0) 20 7299 4120.

Renewable Energy Environmentalist - Hydroplan: Hydroplan is a leading engineering and environmental consultancy specialising in Renewable Energy with a focus on hydropower and wind. We are looking for a motivated person to join our expanding team. You are likely to have a good knowledge of environmental fieldwork, production of Environmental Statements and environmental regulations. Your experience may have a bias towards the aquatic environment. Whatever your expertise, we would want you to be able to help specify and manage specialist sub contractors and you will be involved in everything from on-site fieldwork to negotiating mitigation. An exciting and demanding position. Tell us about your expertise and ambitions and, if your application is successful, we will reward you accordingly. Do you want to have a chat before you send in your CV? Give us a call on +44(0) 1202 886622 and ask for Audrey or Kieron. Alternatively visit www.hydroplan.co.uk



TRADE LEADS

India: Consulting Services

Consulting services are required for the World Bank funded Rampur hydropower project. Contact: Satluj Jal Viduy Nigam Ltd, Himfed Building, New Simla 171009, India. Tel: +91 77 267 0804 or email hk.Sharma@sjvn.nic.in.

India: Consulting Services

Consulting services are required for a dam rehabilitation and improvement project to improve the safety and optimal sustainable performance of selected existing dams and associated appurtenances. Contact: Ministry of Water Resources, Shram Sakthi Bhavan, Rafi marg, New Delhi, India. Email: damsindia2003@yahoo.co.in.



FORTHCOMING EVENTS



Sustainable Energy & Energy efficiency Expo 2006

10th to 11th October 2006 – Grand Hall, Olympia, London

For more details contact Madeleine Johnson, Tel: 0870 160 4540 or Richard Pegler, Tel 01923 721248;

Email: madeleine.johnson@exposurecom.com

2nd Annual European Energy Policy Conference

16th - 17th October 2006 - Brussels

The conference will deal with issues ranging from security of supply to the EU Emissions Trading Scheme. View the online conference programme - http://www.epsilonevents.com/eps_detsubvt.asp?id=26&subvtid=102&type=current

- Download the conference brochure (including fax back form) <http://www.epsilonevents.com/pdf/2ndEEPC2006Large.pdf>.

Register via any of the following means: Online by going to www.euenergypolicy.com and selecting 'Register a Delegate'; Via fax or post, by downloading the form here <http://www.epsilonevents.com/pdf/EEC%20Fax%20Back%20Form.pdf> By calling James Wilmott, Epsilon Events Ltd, 12 Coopers Yard, Curran Road, Cardiff Bay CF10 5NB (Tel: +44 (0) 2920 642 704 / 701; Fax: +44 (0) 2920 642 742; e-mail: jwilmott@epsilonevents.com; web: www.epsilonevents.com

Microgeneration Trade Mission to Spain and Portugal

6th to 10th November 2006

website: www.ukrenewable.com

Coastnet Conference

8th November 2006

*Potential implications and challenges of recent and emerging
European policy and Directives
The Marine Institute, Galway, Ireland*

For more details please contact Theresa Redding at: CoastNet, The Gatehouse, Rowhedge Wharf, High Street, Rowhedge, Essex CO5 7ET (tel/fax 01206 728644:

e-mail: theresa.redding@coastnet.org.uk.

South Somerset Hydropower Group

11th November 2006 – Gants Mill, Somerset

For more details please contact Brian Shingler, Tel: 01749 812393

Email: shingler@gantsmill.ndo.co.uk

Renewable Energy in Central & Eastern Europe

15th to 16th November to 2006 – Palais Fersti, Vienna, Austria

For more details contact: Union of the Electricity Industry – EURELECTRIC AISBI, Blvd. De l'Impératrice, 66,B-1000 Bruxelles Tel: (32) 2 515 10 00; Fax: (32) 2 515 10 69; webste: www.eurelectric.org

Water Resources & Renewable Energy Development in Asia

30th November to 1st December 2006 – Bangkok, Thailand

For more details contact the BHA. Tel: 01202 886622; Fax: 01202 886609; Email: info@british-hydro.org

Green Energy Awards 2006

7th December 2006 – The Royal Museum, Edinburgh

For more information go to www.greenenergyawards.com

Or contact Calum McCallum Tel: 0141 222 7921

Email: calum@scottishrenewables.com

Fax: 0141 222 7929

5th International Conference on Dam Engineering

14th to 16th February 2007 – Congress Centre of LNEC, Lisbon, Portugal

For more details contact: The Conference Director (DMO7), CI-Premier Pte Ltd, 150 Orchard Road #7-14, Orchard Plaza, Singapore 238841; Tel: (065) 67332922; Fax: (065) 62353530;

Email: cipremie@singnet.com.sg

World Congress on Advancing Sustainable Hydropower

29th-31st May 2007, Antalya, Turkey

Call for papers open until 20th November 2006

Email papers to iha@hydropower.org

Or Fax to 0208 770 1744

For further information see: www.hydropower.org

20th World Energy Congress - The Energy Future in an Interdependent World

11th-15th November 2007, Rome

Call for papers and posters open until 31st December 2006

For further information see: www.rome2007.it



Why Not Blow Your Own Trumpet?

The BHA Secretariat is frequently asked to provide articles for trade magazines and other publications. We try to involve members in these where we can but we suspect that there are many good stories that are missed. So don't forget – if you have any interesting stories or success stories to share, please send them to us – with pictures where possible – and we will endeavour to get them published. We can also advertise your job vacancies and future events - info@british-hydro.org

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