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9th Wind Energy Forum, 21st of November, Warsaw



9th Wind Energy Forum, organized by PWEA, will be held on 21st of November in Marriott Hotel, Warsaw. Leading subject for the event is "Wind energy development and environmental issues"

On 30th of October, over 110 participants are registered – investors, developers, ornithologists, ecologists, nature conservators and environmental reports contractors.

Agenda, registration form, present information and daily update registration list are available on our website: www.pwea.pl

The Forum will be an unique opportunity to meet all parties involved in environmental procedure and to analyze the environmental issues connected with building wind turbines in a complex way. We kindly invite You!

3rd PWEA Annual Conference „Wind energy market In Poland”



We kindly invite for a branch event of the year – third annual conference „Wind energy market In Poland”, organized by Polish Wind Energy Association.

Conference will take place in Best Western Hotel Mazurkas Conference Center which offer the highest level of conferencing services on 11th -12th of March 2008.

Following issues has been planned:

- plenary session and 6 topical panels dedicated to grid connection subject, environment, technology and wind energy sector services;
- over 30 papers and presentations prepared by leading polish and foreign experts;
- unforgettable Gala Dinner;
- other attractions.

PWEA conference is the unique opportunity to:

- meet all the market participants at the same place and time;
- update and extend knowledge about polish wind energy market;
- exchange experiences and conduct content-related discussion on market future.

2008 conference website containing detailed information will be launched soon – we will inform You about that with the e-mail.

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PWEA CURRENT ACTIVITY

PWEA Board Meeting

On 27th of September PWEA Board Meeting was held in Vattenfall Poland head office. The following issues has been discussed: forthcoming events organized by PWEA (annual conference 2008, Wind Energy Forum), cooperation with Polish Bird Protection Association in the field of monitoring guidelines workout, status of implementation for Operational Program "Infrastructure and Environment", project of "Poland energy policy to 2030" and status of facilitation of grid connection conditions issuing process workout. Resolution on Statute change, resolution on Organisation and Work Regulations for the Management Board change, resolution on Organisation and Work Regulations for the General Meeting also has been voted.

PWEA General Meeting

On 27th of September PWEA General Meeting was held in Vattenfall Poland head office, during which i.a. resolution on Organisation and Work Regulations for the Management Board change, resolution on Organisation and Work Regulations for the General Meeting has been voted. By-election for the Board also has been conducted. Two sponsor-members representatives was elected for the Vice-president position: Mr. Johann Nather (representative of WINDOL Sp. z o.o.) and Mr. Robert Hoppe (representative of ORION Sp. z o.o.). During the meeting matters concerning PWEA participation in EWEA projects and status of preparation for forthcoming events were also discussed.

Working meeting for facilitation of grid connection conditions issuing process, 8th-9th of October, Warsaw.

On 8th-9th of October, successive meeting of group working on the grid connection conditions issuing process facilitation for windfarms took place. Representatives of PSE Operator S.A., PTPIREE, PSEW, PIGEO and PTCE was participating in the meeting. On 8th of October, detailed discussion on law change propositions introduced by PWEA has been conducted. Parties agreed that on 9th of October, during meeting with Ministry of Economy representatives together with director Zbigniew Kamieński, common agreed solutions will be presented including divergence protocol. During protocol presentation, each party will introduce it's substantiation. On 9th of October, meeting had a very content-related character. PTPIREE representative introduced propositions prepared by this organisation, which are in major backed up by PSE Operator S.A. representatives. Afterwards, President Jarosław Mroczek introduced all the divergences between PWEA and PTPIREE positions and presented autonomous PWEA propositions. PIGEO and PTCE representatives also introduced their remarks.

Director Zbigniew Kamieński summarized the meeting pointing on importance of propositions concerning procedure tightening and forming process transparency.

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Present works on implementation of particular law and ordinance changes will be carried out by the Ministry of Economy. PWEA declared its participation in following efforts for law changes.

EWEA Policy Department update

On 26th of September, NAN representatives meeting was held in Brussels. PWEA was represented by President, Jarosław Mroczek together with Events and Marketing Manager, Ewa Kurdyła. During the meeting EWEA representatives introduced Policy Department update and current EWEA activity:

- EWEA started up cooperation with DG Fisheries in the field of offshore development. Due to the call for Action Plan on Offshore included in the European Parliament final report on Maritime Strategy, EWEA considers last months as a significant progress. EWEA also entered into cooperation with coordinator for North Europe offshore wind power, Mr. G. W. Adamowitsch which will be invited as moderator for one a offshore conference sessions in December;
- Policy department continues works on the new version of economics report. Draft of the report will be available in November, and its final version is going to be presented on EWEC 2008. EWEA also started collaboration with International Energy Agency in the field of agreement on the "costs of wind energy" implementation;
- Discussion on splitting overall 20% target among Member States and including emission trading to the new EU energy policy is still in progress. European Commission will come with proposal of framework directive on 5th of December 2007. Directive will be accompanied by two other documents: one on the European Trading Scheme and another on possibilities of CO2 emissions cutting in non-ETS sectors (transport). Study article on detailed construction of trading system allowing 20% target fulfillment is also being prepared.
- Final version of "Review of the Guidelines for State Aid for Environmental Protection" will be launched by the European Commission before the end of 2007. No major changes are expected according to the previous version introduced on 10th May 2007.
- EWEA together with International Electrotechnical Commission is working on input for Power Quality requirements standard within the framework of MT-21 group. The draft of international standard was discussed on MT-21 meeting in San Francisco on September 2007.
- EWEA participated in DG TREN consultations on grid infrastructure and interconnection. In 2008, within the TradeWind project, EWEA will identify critical transmission corridors for defined wind power development scenarios which will serve as an input for cooperation with TEN-E Coordinator.

source: EWEA, PSEW

New PWEA members

We gladly inform that New members have joined PWEA:

- Airtricity Developments Ireland as ordinary supporting member;
- RENPRO Biuro Projektowo-Konsultingowe Sp. z o.o. as ordinary supporting member;
- Mr. Łukasz Hudyka as ordinary member (representative of Airtricity Developments Ireland);
- Mr. Norbert Kiderys as ordinary member (representative of RENPRO Biuro Projektowo-Konsultingowe Sp. z o.o.);
- Mr. Grzegorz Komosa as ordinary member (representative of Marsh).

LAW and POLITICS

Negotiations with European Commission on Sector Program „Infrastructure and Environment” closed

On 20th of September in Warsaw took place last negotiations meeting concerning „Infrastructure and Environment” Program for 2007-2013.

During the meeting following matters, among others, has been agreed: description of individual priorities, demarcation line and complementariness to the other operational programs (including those financed with European Agricultural Fund for Rural Development), qualification conditions for particular priorities. For the environmental sector, 3rd priority (Supplies management and counteraction against environmental threats) and actions connected with social educations campaigns were subject of agreement.

source: Ministry of Economy

Agreements for implementation of Operational Program „Infrastructure and Environment” undersigned

On 5th of October, agreements between Ministry of Economy and: Oil and Gas Institute (INiG), Fuels and Renewable Energy Institute (IPiEO), National Fund for Environment Protection and Water Management (NFOŚiGW) has been signed by undersecretary, Andrzej Piotrowski for implementation of Operational Program „Infrastructure and Environment”. Within those agreements, realization of following actions has been passed over to the three institutions:

National Fund for Environment Protection and Water Management (in a framework of the 10th priority Environment Friendly Energy Infrastructure):

- 10.1 Highly effective energy generation;
- 10.2 Effective energy distribution;
- 10.3 Thermal modernization of public-use facilities;

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Fuels and Renewable Energy Institute (in a framework of the 10th priority Environment Friendly Energy Infrastructure):

- 10.4 Renewable sources energy generation;
- 10.5 Renewable sources biofuel generation;
- 10.6 Industry development for renewable energy sources;
- 10.7 Networks facilitating renewable sources energy receiving.

Oil and Gas Institute (in a framework of the 11th priority Energetic Safety and Security):

- 11.1 Development of electrical, oil and natural gas transmissions systems and building of natural gas storages;
- 11.2 Building of natural gas transmission system on non-gasificated areas and distribution system modernization

source: Ministry of Economy

Ministry of Economy ordinance project amending ordinance on detailed rules for figuration and tariffs calculation in electrical energy trade

Ministry of Economy published project of "tariff ordinance" containing i.a. proposal of changes in the field of connection fees calculation and system fees. Project is on the ministry settlements stage and is available on PWEA website:

http://www.psew.pl/files/rozp_taryfowe_projekt_.pdf

source: Ministry of Economy, PWEA

Building of Swołowo windarm blocked.

Piotr Karczewski, pomeranian voivodeship, blocked building of Swołowo windarm near Słupsk. Voivode undersigned ordinance establishing "Natural-landscape complex Chequered Land of Moszczenka river valley" and within this step blocked possibility of Swołowo windfarm erection. Community of Słupsk announced the court recourse to law.

source: Dziennik Bałtycki, cire.pl

Great Britain foresees problem with UE renewable energy binding targets fulfillment.

"The Guardian" released report by Minister of Economy, John Hutton, concerning UE targets in renewable energy sources development. It reveals that it will be hard for Great Britain to fulfill 20% target in renewable energy participation in general energy balance. For now this participation is on 2% level, while UE average is on the level of 6,7%.

source: Gazeta Wyborcza

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Parliamentary Meeting of European Parliament for international CO₂ reduction strategy

Implementation of international CO₂ reduction strategy, UE and national level actions, responsibility split for targets realization and UN conference on climate changes were, among others, subject of parliamentary meeting which was held on 1st and 2nd of October in European Parliament in Brussels.

It was agreed that climate changes counteractions should be included in the agenda of European Parliament members and African parliamentarians meeting in Lisbon, before UE-Africa summit in September. Mr. Barroso announced, that in December 2007 Commission will introduce package of propositions for climate changes counteractions (inclusion of aviation to the European Trading Scheme, creation of market based less on coal, promotion of energy efficiency and renewable sources).

source: www.emisje-co2.pl

EWEA introduces it's position on European Commission proposals for internal energy market

On 19th of October EWEA announced it's opinion on proposal for internal gas and energy market. EWEA considers proposals as good, however not full. European Commission proposes separation of electrical energy production from networks operating, with the content of network possession for energy concerns. Proposal of Independent Network Operators will require extensive monitoring procedures and very detailed regulations. From the point of view of energy sector, the key issue is consideration that operators will be equally responsible for network operating and it's development. For this solution to be effective, prices and procedures transparency must be provided. EWEA also supports Commission proposal for extending national energy market regulators which comes together with strengthening of their actions coordination by UE.

EWEA

EWEA supports proposal of granting transmission systems operators with clear tasks to avoid concerns competition. Additionally, in EWEA opinion, energetic sectors which are energy providers (for example wind energy sector) also should be granted with clear role for providing technological neutrality of rules and standards.

source: www.ewea.org

President Lech Kaczyński made a speech on United Nations General Assembly

On 19th of September, during General Debate session of 61st United Nations General Assembly, President of Poland expressed opinion that in order to restraint global warming process, developing and highly-developed countries must closely cooperate, as the first ones are mainly responsible for gas emissions.

Speech was focused on climate changes. President underlined that those problems cannot be solved only by market economy mechanisms. Poland was given as

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example of country which have managed to reduce it's emissions with simultaneous economic growth, what proves that economic development doesn't have to be strictly connected to the emissions growth. President also expressed opinion that climate change threats should be counteracted by afforesting and clear technologies investments, which technologies should be available for developing countries.

PWEA supports all actions of polish authorities which are aimed on emissions reduction and deeply hopes that words of Mr. President will find it's reflection in Polish internal documents concerning energy market and renewable energy sources.

source: www.prezydent.pl, www.wiadomosci.o2.pl

MARKETS

E.ON Energy Project bets on wind

E.ON Energy Projects GmbH (EEP) will invest in polish wind energy market. The company have ordered 19 turbines from GE Energy (2.5xl). E.ON Energy Projects id developing a few projects in Poland at the moment, with intention of independent energy production. Foreseen date for GE turbines erection is December 2008.

source: GE Energy, cire.pl

Report for global and European wind energy market

The RocSearch report elaborates on the technology and mechanisms used in the wind energy trade. It studies the five major markets and comparatively analyzes the competitive positioning of the major players. The study describes the importance of wind energy as one of the best energy alternatives in terms of the cost-technology framework. It also throws light on the low reliability of this energy form as wind energy operates at very low plant load factors. The analysis reveals that in 2005, the global wind markets grew by 40.5% compared to the previous year, generating about US\$14 billion, in terms of new generating equipment. The market has mainly been driven by Germany, Spain, the US, India, and Denmark, with Europe obtaining the biggest share. The cumulative capacity of wind energy installations will reach 134.8 GW in 2010, more than double the installed capacity in 2006, forecasts the report.

EWEA in it's position on European law impact on wind energy market development points on possibility of installing approx. 180 GW up to 2020, what will cover 13% of European demand for electrical energy.

According to the PWEA assessment, included in the "Estimation on wind energy development and potential in Poland for 2020", it's possible to install 13.600 MW onshore in Poland, what would allow production of electrical energy on annual level of 30 TWh.

source: www.windfair.net, www.ewea.org

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Compass Transworld Logistics comes into existence.

Gamesa Corporación Tecnológica and Bergé Negocios Marítimos have joined forces to set up Compass Transworld Logistics, S.A. (CTL) with 51% and 49% stakes respectively.

Gamesa and CTL have entered into a service provision agreement for the next five years. Services amounting to € 150 to € 175 million per year will be managed through this agreement. The joint venture will ship Gamesa finished products manufactured at its Spanish plants to ports in the United States and China, as well as to their final destination in the rest of the world. Gamesa has handled the shipping of its finished products up to now. The performance of this agreement is a further step forward in the strategic alliance program with suppliers set out in the 2006-2008 Business Plan.

source: www.windtech-international.com

TERNA report on development of renewable sources in developing countries of Africa, Asia, Middle East and Latin America.

German Federal Ministry for Economic Cooperation and Development, together with GTZ company released report within the framework of TERNA (Technical Expertise for Renewable Energy Application) on state and development conditions in several Africa, Asia, Middle East and Latin America countries. Report includes analysis concerning states of markets, installed capacities, renewable sources development plans, network operators and it's development possibilities, production and usage of electrical energy in 23 countries.

IN PWEA opinion, some of the markets which are in early stage (for example in countries where installed capacity is on the level of approx. 50 MW, like Chile or Morocco) soon will be on comparable level of development with Polish market.

Report is available on the GTZ website
<http://www.gtz.de/de/dokumente/en-windenergy-countrystudy-2007.pdf>

source: www.gtz.de

EVENTS

25 years of European Wind Energy Association

This year EWEA celebrates it's 25th Anniversary. Silver Anniversary was the occasion for summing up the decade and a huge progress which took place in European wind energy sector. In a year when Association was created, total capacity installed in European wind power didn't exceeded 40 MW. Today, wind energy is one of the elementary alternatives for traditional energy sources, covering 3% of European electricity demand. Representatives of national associations, representatives of European institutions, former and present EWEA authorities members attended in the

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banquet organized in Bellevue Museum in Brussels. Also winning pictures of WindDay 2007 photo contest has been presented.

PWEA is a member of EWEA since 2002, closely cooperating within framework of National Association Network, Communication Network and projects: EWD09 and Windbarriers.

source: EWEA

Al Gore and Intergovernmental Panel on Climate Change awarded with Nobel Peace Prize

Al Gore, former USA vice-president and Intergovernmental Panel on Climate Change was awarded with 2007 Nobel Peace Prize for their worldwide efforts in a field on building and disseminating of knowledge about climate change and for creating means which are indispensable to fight with such a changes. Prize will be traditionally presented at 10th of December in Oslo.

IPCC analysis are basis for international climate agreements negotiations such as UN Climat Change Convention and Kyoto Protocol. IPCC documents climate changes and human population participation in this process.

Al Gore, author of "Inconvenient truth" motion picture, after leaving Bill Clinton office popularizes knowledge in the subject of climate change threats within his own efforts.

In PWEA opinion large-scale actions and dissemination of knowledge about methods of fighting threats are absolutely necessary. One of the most effective tools against global warming is usage of renewable energy sources, including wind energy sector, for energy production.

źródło: www.energieodnawialne.pl, www.kurierlubelski.pl

The first General Assembly of the European Technology Platform for Wind Energy

The first General Assembly of the Technology Platform will take place on November 13th and 14th 2007 in Brussels. The objective is to build a first version of the Strategic Research Agenda and Market Deployment Strategy document for the sector. Second Assembly has been planned for January 2008, where the successive versions of documents will be worked out, and final results will be introduced in March, on EWEC2008 in Brussels.

The European Technology Platform for Wind Energy (TPWind) is the indispensable forum for the crystallization of policy and technology research and development pathways for the wind energy sector; as well as a new opportunity for informal collaboration among Member States, including those less developed in wind energy terms.

źródło: www.windplatform.eu

TECHNOLOGIES

Americans to build the 7.5 MW offshore turbine in Europe

Clipper Windpower announced that it will develop the world's largest offshore wind turbine rated at 7.5 MW. It has established a Centre of Excellence for Offshore Wind in Blyth, United Kingdom and the "Project" has attracted support from the UK's One NorthEast Regional Development Agency. The development of the 7.5 MW wind turbine will build upon the architecture and technology of Clipper's Liberty 2.5 MW turbine.

One NorthEast's Blyth-based New and Renewable Energy Centre (NaREC) will provide the Britannia Project with a support package for engineering and test laboratory, including its world-class wind turbine blade testing facilities. Engineering for the project will be shared between Clipper's Advanced Technology Group, based in Carpinteria, California, and Clipper operations in Blyth. Funding provided by One NorthEast also will support the development of Clipper's turbine supply chain and related manufacturing facilities.

źródło: thefraserdomain.typepad.com

Arctic station powered only with renewable sources

Modern arctic station constructed by Belgium engineers will be provided with electricity only with renewable technologies and will be electrically absolutely self-sufficient.

Walls and roof will be covered with solar panels with surface of 109,5 m². Additionally, solar panels will be located on the rocks nearby, providing total surface of 270 m² and capacity of 50,6 kW. Warm produced by working computers and bulbs will be also managed for station heating. 8 wind turbines with capacity of 6 kW each will be installed in front and behind the station.

source: [Rzeczpospolita](#)