

PWEA Conference 2008 „Wind energy market in Poland”



Call for papers – deadline extension!

Regarding to the Christmas holiday and all incoming questions and requests, we have decided to extend abstracts submission deadline.

Abstracts can be submitted till **15th of January 2008. Send Your abstract and register today!**

Particular range of topics for panels, as well as call for abstracts requirements are available on the event website www.conference2008.pwea.pl.

Accepted papers will be presented by their authors during the conference!

Conference, which will take place on 11th -12th March 2008 in Mazurkas Conference Centre (Ozarow Mazowiecki near Warsaw), will be dedicated to the subject of summary in wind energy market development in 2007 and to outline the perspectives of sector development in long and short term perspective. During a two-day meeting a **plenary session “politics and Market”** and **6 topic-dedicated panels: Environment, Technology & IT, Infrastructure, Services for Sector, Economy and Finances, Planning** will take place, where different aspects of development of wind energy in Poland will be discussed.

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WE KINDLY INVITE!

PWEA CURRENT ATIVITY

New PWEA members:

We gladly inform that new members have joined PWEA:

- Steico-Windpark Sp. z. o o as ordinary supporting member;
- RenGen Energy as ordinary supporting member;
- Pan Tomasz Łucjan as representative of Steico-Windpark Sp. z. o o

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LAW and POLITICS

European Commission comes up with the draft of Framework Directive on renewable sources

Draft of the new Framework Directive has been published on 8th of January. European Commission, keeping limited possibilities of each member country in mind, is going to differentiate targets according to this fact. In January 2008, EU Energy Commissioner Andris Piebalgs, is going to introduce plan of increasing of green energy production in member states. Directive draft assumes minimal level of renewable sources energy production on level of 5,75 %. Individual plans for each member state would include 3 stages of realization for 2020 targets. Half of the difference between 2005 level and planned level for 2020 could have been achieved in 2014. Two years later, it should raise to 66%, and in 2018 – to 83%.

source: Rzeczpospolita, PWEA

European Commission introduces New directive on pollutions limitation

European Commission introduced a New directive, which will replace 1996 directive on integrated pollution prevention and limitation. New directive tightens acceptable limits of emissions for biggest industrial facilities, implements new environmental criteria and more effective control system. Directive also includes enterprises which were not embraced with these regulations into a system of licenses, limits and controls (power plants with capacity of 20-50 MW or wood industry).

source: Puls Biznesu

Long-term contracts terminated

End of the 2007 was the deadline for energy producers to sign agreements with Polish Energy Group (Polska Grupa Energetyczna – PGE), which would terminate long-term contracts. Procedure was accelerated after questioning long-term contracts by Brussels, which accused Poland for unfounded public aid. According to the long-term contracts, energy producers possessed guaranteed sales to the current PGE company, what was a blockade for free trade with part of energy on the market. New agreements have been signed before deadline, what means that long-terms contracts will expire in three months. After that moment, producers will obtain right to compensations, if market prices won't cover costs of credits, which was guaranteed for the contracts. However, market prices are going up, what means higher incomes from energy trade and smaller damages.

source: www.pb.pl

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Minister of Environment introduced project of National Emission Trading Scheme

Maciej Nowicki, Minister of Environment, introduced new project of CO₂ emissions trading split for Polish industry. The highest costs of emission reduction will be allocated to the power plants and thermal power plants. Power plants, which are emitting more than 120 mln tons CO₂ will receive limit of 94,4 mln tons. 22,18 mln tons will be assigned to thermal power stations. Because energy tariffs for companies are already deliberated, and for households are still under control of Energy Regulatory Office, energy distributors which are submitting their tariffs for regulator acceptance don't know CO₂ emission limits prices.

Project has been directed to the social and ministerial consultations. Decision will be taken by the whole government, however fossil energy sector is already announced disapproval for the project and struggle for its change. Simultaneously, chances for positive negotiations outcome with European Commission for additional emission limits are decreasing.

source: [Gazeta Wyborcza](#)

Liquidation of Minister of Environment advisory bodies

We inform, that Minister of Environment Ordinance no. 70, issued on 27th of December 2007, liquidated the following bodies:

- Geological Council;
- Work Group for Promotion of Alternative Energy Sources;
- Commission of geocology and geoenvironmental survey analytics
- Mining Council;
- Honorary Committee of Country Head Geologists

source: www.mos.gov.pl

New director of Department of Global Environmental Issues and Climate Change in Ministry of Environment

Mikołaj Budzanowski is the new director of Department of Global Environmental Issues and Climate Change. Department of Global Environmental Issues and Climate Change is responsible for the development of the assumptions for and directions of the State Environmental Policy, based upon the principles of sustainable development, the assessment of implementation of this policy, the co-ordination of the compliance with the commitments included in the International Agreements, which the Republic of Poland is a party to or signatory of, as well as those which result from Poland's membership in the International Organizations, develop, monitor and improve the principles for performance of mechanisms supporting implementation of environmental tasks (emission trading, joint implementation, clean development mechanism, certificates of origin, green certificates);

source: www.mos.gov.pl

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Structural changes in Ministry of Environment

We inform, that within the framework of organizational changes in Ministry of Environment, 2 new departments has been created (after Department of Ecological Funds split): Department of Infrastructure and Environment and Department of Financial Instruments.

source: www.mos.gov.pl, PWEA

RYNKI

Poland located on 19th place in green energy investment attractiveness

According to the Ernst & Young report, Poland has been located on 19th place in the world in perspective of investment attractiveness for renewable sources sector, higher than Japan or Austria, and right behind Norway. Despite of constant recognition of coal as a regular and basic energy fuel and numerous opinions on weak conditions for renewables development, green sector is growing rapidly. Number of green energy producers and it's share in a total generation is also growing regularly. Fossil fuels sector's opinion is also different form European Commission point of view, which introduces ambitious plans for CO₂ emissions reduction. It can be recognized as clear message for the Polish government, that renewable energy market should be treated with proper caution, and politics towards it should be perspective and development-directed.

In PWEA opinion, Poland have very good conditions for renewables development. Wind potential is still not used on the level that it could be. Technical progress in wind sector allows to locate wind farm in areas with average wind conditions. Slow law reforms and insufficient electrical infrastructure investments are obstructing renewable sources development in Poland. Without support for the green sector, Poland won't even approach for the CO₂ emission targets.

source: Rzeczpospolita, www.cire.pl, PWEA

Energy consumption record

In the Christmas time energy consumption record has been broken – it exceeded 24,6 GW. Last year it aggregated on the level of 23,7 GW. Electrical energy usage in Poland is growing faster than most of the predictions expected. Until now, it was assumed that 1% of NGP growth successes with 0,7 % growth of electricity demand. It means, that within last 12 moths, energy demand raised for ~3%. However, it must be taken into consideration, that at the moment of peak load (between 16.00 and 18.00), energy consumption is growing twice as fast. In case of larger air temperature drop, peak energy consumption can raise even for dozen %.

source: Parkiet, www.wnp.pl

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Vattenfall and Sveaskog initiated cooperation

Vattenfall and Sveaskog initiated cooperation, which opens door for biggest cooperation in the Swedish wind energy market ever. As it outcome, even 550 turbines can be erected, with total capacity of 1500 MW. Cooperation concerns five provinces in southern Sweden. Within the cooperation framework, Vattenfall will plan and obtain building permissions for wind farms in these areas.

Sveaskog is the owner of 15% of forest territories in Sweden, so is capable to offer a lot of proper locations for wind farms erection. According to the Sveaskog assessments, on it's areas 2000 locations is available as locations for turbines (15 is already existing)

source: www.cire.pl, www.gazeta.gospodarka.pl

Relax Wind Parks bought by Energias de Portugal

Energias de Portugal has bought a Polish wind energy company, Relax Wind Parks, for 54 million €. Relax Wind Parks has a portfolio of projects, in different stages of development, equivalent to total gross capacity of 1,022 MW. The purchase includes an additional success fee of 40,000 € per MW. The first wind farm in the portfolio, with a capacity of 120 MW of installed capacity, is expected to start operating in 2009. The remaining farms should start operations between 2010 and 2013. EDP is the world's fourth largest wind power company, with wind farms in Portugal, Spain, France, Belgium and the United States.

source: www.windfair.net

Green Power Słowiński wind park have an energy buyer

Wind farm should start to operate in 2010 with total capacity of ~240 MW (104 Siemens turbines 2,3 MW each). It's owned by Green Power Polska company, which belongs to the Japanese Green Power.Investment Corporation. Project and planning works are still in progress, as well as negotiations with PSE-Operator in matter of high-voltage line, which is necessary for connection with electroenergetic system. According to the high wind farm capacity, it will be connected directly to 400 kV.

However, energy trade contract has been closed. Energy will be received by Energa-Obrót, as well as green certificates which confirms renewable origin of energy. Negotiations in this matter took over 1,5 year. Contract has been signed by Masaaki Matsuoka, Green Power Investment Corporation director and Jacek Śmiech, Energa-Obrót, President of the Board.

source: [Gazeta Prawna](#)

Good Energies select a GE turbines for it's projects

Good Energies, working with Continental Wind Partners, a wind energy developer in Poland, Romania and other Central European countries, has placed an order for 375 MW of GE Energy's 2.5xl wind turbine. The contract is valued at over 400 mln € and delivery will commence in the spring of 2009. Up to 150 of GE's 2.5MW machines will

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be provided to companies controlled by Good Energies and Continental Wind for installation principally in Poland and Romania.

source: GE

Iberdrola starts Kisielice wind farm

Kisielice wind farm is operating, raising Iberdrola's wind power capacity in Poland for 49 MW, to total 89 MW. Project includes 27 GE turbines with capacity 1,5 MW each and is the first one from portfolio of Etenergy Polska, which has been bought by Iberdrola in 2005. In 2008 two another farms will start to operate – Karścino and Malbork.

source: www.iberdrola.es, PWEA

Competitiveness and Innovation Framework Programme is now available

It's aimed on competitiveness of European companies and firms, and is dedicated to small and middle enterprises. It's main stream is to support innovation, including ecological innovations, providing better access to the financial instruments and financial services on the local level. It should also support better usage of available telecommunication technologies and support creation of information society. It also promotes renewable sources usage and energy efficiency. Total budget for all countries participating in Programme is on the level of 3.631,3 mln € for 2007-2013. CIP consists three detailed programs:

- Entrepreneurship and Innovation Programme EIP, which is aimed at small and middle companies competitiveness and innovation;
- Information Communication Technologies - Policy Support Programme dedicated for fast telecommunication technologies implementation and stimulating range of technologies in use;
- Intelligent Energy Europe Programme aimed at actions for energy efficiency improvement and rational usage of energy supplies, promoting renewable sources of energy and it's diversification.

źródło: www.cip.gov.pl

Bioenergy Cluster in Lodz brought into life

Solar farm, energy plants cultivation and determining location for wind farm – these are the first plans of Bioenergy Cluster, which was created in Lodz. 21 companies, firms, producers and scientific units already joined the structure. First solar farm is supposed to be build near Skierniewice, but exact location is not yet agreed. Cluster also aims at carrying a registry of areas available for energy willow cultivation and wind farms location.

source: Dziennik Łódzki

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Oil prices hits 100\$ for barrel

On NYMEX stock, on 3rd of January 2008, oil prices overran level of 100\$ for barrel. Prices increase was caused by bad macroeconomic results in United States and unrests in Nigeria, biggest African oil exporter. Price of WTI oil in February deliveries raised on NYMEX in electronic trade for 4,02\$, reaching 100\$.

source: PAP

TECHNOLOGIES

RWE and GE are working on energy storage technology

German RWE and American General Electric signed agreement on cooperation in a subject of common works on energy storage technology. Companies are going to develop technology, which will allow processing of electrical energy into compressed air, which would be stored in salt mines.

source: www.pb.pl

Nordex hybrid towers

Nordex has erected the first two N90/2500 turbines on hybrid towers. The hybrid tower comprises a concrete tower with a height of around 60 meters, which is mounted directly on the base at the location and then pre-stressed. It bears the three steel tower sections of the modular tower with a total height of a further 60 meters. To achieve the necessary rigidity at hub heights of over 100 meters and to suppress resonance frequencies caused by turbine rotation, the lower part of the tower must have a diameter of over four meters. As this makes the tower too large to be carried on a conventional low-bed trailer, road transport is not a viable option. Nordex has solved this logistic and resonance frequency problem arising with towers with a hub height of over 100 meters by developing a special concrete/steel hybrid tower. The advantage of this is that the concrete tube is produced on site. The overall system has an adequate resonance frequency as the diameter of the concrete element fitted in the lower part of the hybrid tower is freely adjustable. 800 cubic meters of concrete and 130 tons of armoring steel were used for each of the two towers. The lowest section of the steel tower section is placed on top of the concrete tower head and fastened by means of anchor bolts.

source: www.windtech-international.com