



Delta-Eko

Cinnah Cad. 106/6, Çankaya, 06550 ANKARA

Tel: 0312-440 7940 Fax: 0312-440 1011

www.delta-eko.org

16.07.2009 – 23.07.2009

Report forecasts Turkey's energy score

Turkey will account for more than 10 percent of Central and Eastern European regional power generation by 2013, and remain a net exporter of electricity to neighbouring states, according a publisher of specialist business information on global emerging markets.

Central and Eastern European power generation in 2007 was 2,053 terawatt hours an increase of 1.9 percent over 2006, Business Monitor International said in the new Turkey Power Report, which addresses industry strategists, service companies, company analysts and consultants, government departments, trade associations and regulatory bodies. "We are forecasting a rise in regional generation to 2,540 TWh by 2013, up 23.7 percent."

CEE thermal power generation in 2007 was 1,294 TWh, or 63 percent of the total electricity supplied in the region. The forecast for 2013 is 1,536 TWh, implying an 18.74 percent growth that only slightly reduces the thermal generation's market share to 60.49 percent, in spite of environmental concerns that should be promoting renewable energy, hydroelectricity and nuclear generation. Turkish thermal generation in 2007 was around 147 TWh, 11.36 percent of the regional total. In 2013, it will account for 13.73 percent of thermal generation.

For Turkey, gas in 2007 was the dominant fuel, accounting for 31 percent of the primary energy demand, or PED, followed by oil at 30.6 percent, coal at 30.5 percent, and hydro at 7.9 percent. Regional energy demand is forecasted to reach 1,672 million tons of oil equivalent by 2013, representing 22.84 percent growth over the period. Turkey's 2007 market share of 7.50 percent is set to rise to 8.22 percent by 2013. Turkey plans long-term nuclear power construction, but currently makes no contribution to regional nuclear consumption.

Turkey now shares fourth place with Russia in Business Monitor International's updated Power Business Environment Rating, but is now five points behind Kazakhstan. It is hard to see Turkey being able to catch up with the Caspian state over the medium to long term, and it may be unable to remain alongside Russia for long, the group said. The current score reflects the substantial size of the country's electricity market and infrastructure, a high proportion of renewables in the energy mix, above-average growth in PED and the region's most rapid rate of population growth. Country risk factors to some extent offset the industry scores.

Business Monitor International now forecasts Turkish real gross domestic product growth averaging 4.73 percent a year between 2008 and 2013, compared with the 2008 forecast of 3.80 percent. Total population is expected to rise from 70.6 million in 2007 to 75.6 million by 2013, and GDP per capita and electricity consumption per capita are forecast to increase significantly.

The country's power consumption is expected to increase from an estimated 147.8 TWh in 2007 to 176.7 TWh by the end of the forecasted period, while exports should rise from an estimated 43.1 TWh in 2007 to a forecast 96.7 TWh in 2013, assuming 6.5 percent annual growth in electricity generation.

Between 2007 and 2018, Business Monitor is forecasting an increase in Turkish electricity generation of 72.5 percent, which is near the top of the range for the CEE region. This equates to 20.5 percent in the 2013-2018 period, down from 41.8 percent in 2007-2013. PED growth is set to fall from 34.6 percent in 2007-2013 to 18.2 percent during 2013-2018, representing 59.1 percent for the entire forecast period. An increase of 100 percent in hydropower use during 2007-2018 is a key element of



Delta-Eko

Cinnah Cad. 106/6, Çankaya, 06550 ANKARA

Tel: 0312-440 7940 Fax: 0312-440 1011

www.delta-eko.org

generation growth. Thermal power generation is forecasted to rise by 67.4 percent between 2007 and 2018.

Credit deal signed for hydroelectric plant

Armahes, a Turkish electric production corporation, has signed a credit deal worth \$42 million with the Development Bank of Turkey for Muratlı Hydroelectric Power Plant.

Commenting on the importance of focusing on energy investments in order to supply sustainability in the economy, Abdullah Çelik, managing director and chairman of the Development Bank of Turkey, said that renewable energy capacity should be activated to decrease the dependence on foreign markets.

Noting the importance of energy investments, Çelik said that as of the second quarter of 2008, the bank has focused more on energy investments, as the investments are compatible with Turkey's development agenda.

The bank has received applications for credit totaling 1.3 billion Turkish Liras for various projects, he said. The projects focus particularly on hydroelectric centers, and the rest include wind, geothermal and bio-energy projects, he added. The bank is active in all kinds of renewable energy projects, he noted.

All demands are evaluated by the Development Bank, he said, adding, "Some 520 million liras of credit supplied from international institutions such as the World Bank, the European Investment Bank and the Islamic Development Bank are allocated to projects."

Noting that the Muratlı Hydroelectric Power Plant project will be built in Giresun, a Turkish city in the Black Sea region, Çelik said, "The project, which has 37.4 megawatts capacity, is estimated to be completed in 2011."

Speaking at the ceremony, Ali Yıldırım, chairman of Armahes, said the Muratlı Project cost \$60 million. The installation tools worth \$50 million, apart from electronic and mechanic devices, will be supplied from Turkey, he added.

Energy investments are a good opportunity to support development and also supply employment amid the turmoil-filled period, Yıldırım said.

Growing trend for eco-friendly houses

Eco-friendly housing developments are gaining more value by the day. In a similar move to their counterparts abroad, many Turkish construction companies have begun to focus on projects that help protect the environment as global warming gains speed and energy costs increase.

With people beginning to pay attention to global warning, the number of environment-friendly real estate projects has been increasing around the world.

Energy prices that have been thinning wallets during these crisis-hit times have also caused many construction companies to invest more in developing eco-friendly houses.

The Housing Development Administration of Turkey, or TOKİ, is one such company with its Kayabası Konutları project. Aydınli Grup, another Turkish construction company, has introduced its Solarkent project in Esenyurt, while Tulip introduced TulipTurkuaz in Bahçeşehir. Varyap is also among



Delta-Eko

Cinnah Cad. 106/6, Çankaya, 06550 ANKARA

Tel: 0312-440 7940 Fax: 0312-440 1011

www.delta-eko.org

construction companies that decided to weigh more into environment-friendly projects. The company revealed a new project called Varyap Meridian in Ataşehir.

İnanlar İnşaat and Tekfen, other companies that operate in the construction industry, have also addressed developing ecological real estate projects. One of the main reasons for increasing interest in ecological housing is global warming.

Aydınlı Grup's Solarkent is filled with houses that produce their own energy by utilizing solar power. Houses in TulipTurkuaz generate energy via solar power panels. The project is also equipped with a biological desalination system.

Varyap Meridian will be constructed according to Leadership in Energy and Environmental Design criteria and the U.S. Green Building Council's LEED, which is an internationally recognized green building certification system. The project will include housing, offices, hotels and trade zones.

TOKİ is planning to create an ecologic town consisting of 60,000 apartments and call it Kayabaşı Konutları. Electricity will be harnessed from solar power in the town, which will also recycle rainwater.

Reghnumj's Astrum Towers in Haramidere will also collect rainwater. A-Z Yapı's Meritlife Kent will utilize a system where all domestic waste will be recycled. Soyak's Mavişehir will consist of houses that reduce heat dissipation, while Milpa's Milpa Konutları in Esenyurt will help reduce water waste by 50 percent. Doğa Gayrimenkul will use only wood in the construction of Doğa Meşepark, while Hektaş İnşaat's İdealist Kent project will include a system to collect rainwater.

Environment-friendly housing projects provide savings of up to 50 percent compared to standard projects. Water savings reach nearly 40 percent thanks to the central sprinkler systems as well as rainwater collecting systems. These houses also help protect forests with their domestic waste systems and use of environmentally friendly materials.

Source: www.hurriyetdailynews.com