



# Charoen Pokphand Foods Plc.

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**Company News : CPF introduced solar power innovation to reduce greenhouse gas release**  
**: CP Turkey has deserved “EU quality award 2011”**

**Price Performance : CPF**

## **CPF introduced solar power innovation to reduce greenhouse gas release**

The world is suffering from the global warming problem originating from human being's prolonged exploitation of natural resources. As the result, the greenhouse gas in the atmosphere has been expanded to the point that natural disasters occurred around the world including Thailand become more severe. Therefore the effort of all parties to lower the exploitation of natural resources and reduce the release of greenhouse gas is indeed a good deed.

Charoen Pokphand Foods PLC or CPF, as a private corporation seriously committed to the power conservation and environmental protection, has continuously engaged on the innovation and development of alternative energy. The company has introduced several relevant projects including the production of biogas from farmyard manure or wastewater from plant wastewater treatment; the production of bio-diesel from used cooking oil.

CPF Senior Vice President Mr. Supachai Angsupakorn said CPF had introduced the “Combined Solar Power Project” at company's Minburi chicken meat processing plant. Under the project, the company heat water by the use of Solar Collector and Economizer equipment. By the 195-panels Solar Collector covering the total area of 499.2 square meters, the 30-degrees-Celsius 20,000 liters of water can be heated to 60 degrees Celsius annually.

As CPF has committed to the principle of producing power from waste under the concept: “don't look at rubbish as rubbish because what lie inside is energy”, therefore by Economizer, the hot water heated by 210 degrees Celsius boiler stack can turn additional 10,000 liters of water at 30 degrees Celsius into 60 degrees Celsius water annually. The hot water produced under the two systems totaled 30,000 liters per year. The hot water is used as input for boiler and replacing bunker oil in the production process.

Under this project, the company can reduce the consumption of bunker oil on the production of steam up to 146,283 liters worth at 2.7 million baht per year and lessen the release of greenhouse gas up to 432 tons of carbon dioxide or equal to the 2.4 rai of forestation.

The Minburi chicken meat processing plant of CPF is therefore chosen as a company representing Thailand participating in the Environments Management Accounting (EMA) project. EMA is the environment management tool using accounting data for the analysis of process to find the Hot Spot or the highest power consumption point and generate project to lower the use of energy within the corporation. As the tool is popular in European countries, the expert on sustainable management of environment from Luenburg University in Germany was sent to be the project consultant. The sending of the expert is supported by German government under Asian Society For Environmental Protection (ASEP) program. This project is also partly funded by Department of Alternative Energy Development and Efficiency, Ministry of Energy.

The “Combined Solar Power Project” is not the first project on energy conservation for CPF Minburi but the plant had engaged on the energy conservation projects continuously long time ago. Only from 2008 onward, the plant can lower the release of Co<sub>2</sub> gas totaling 17,159 tons which equals to the saving on energy cost of 26,091,387 baht.

CPF is the leader on agro-industry and food production which highlights on the environmental friendly food production process all along. The company is continuing to search for clean alternative energy to take a part on fighting against the global warming problem.

Kitchen of the World

This is the result from only a factory in Thailand, let us think that if all the factories and companies do not stand still but join the searching and seriously committed to power conservation action the same as CPF, how much Thailand can tremendously lower the excessive use of power and enormously contributing to the good environment, society and economy of our country.

### **CP TURKEY has deserved “EU QUALITY AWARD 2011 “**



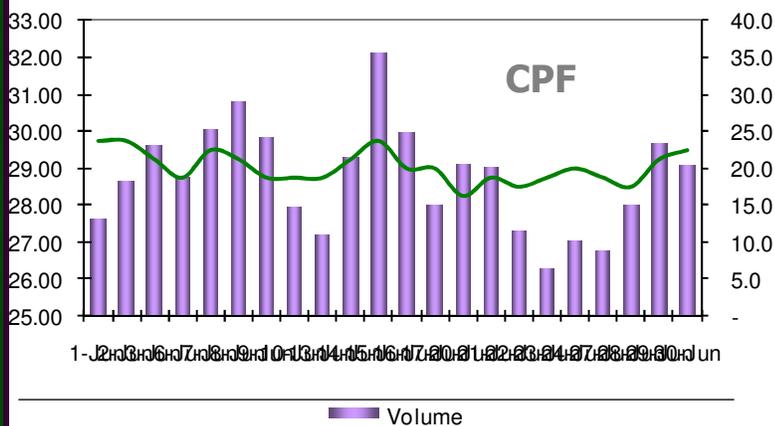
CP TURKEY, a wholly owned subsidiary of CPF, has deserved “EU QUALITY AWARD “for EU standardization in their production of goods and services by the results of survey processed by world consumer academy.

MR.FAHRİ USTAOĞLU WHO IS PRESIDENT OF WORLD CONSUMER ACADEMY presented reward to CP TURKEY PRESIDENT MR.KASEM JARUSAWADT in reward ceremony in front of many local and foreign businessmen .

### **Price Performances: CPF**

Price (Baht)

Volume (Mil. shares)



#### June 2011

<b>Highest Price</b>	29.50
<b>Lowest Price</b>	28.25
<b>Closed Price</b>	29.50
<b>Average Volume/Day</b>	18,600,000

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