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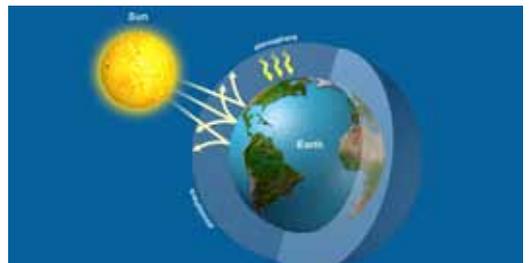
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Dear Readers,

On the 7th of September 2012, history was made, with the issuance of the One Billionth Certified Emission Reduction (CER) under the Kyoto Protocol's Clean Development Mechanism - the world's leading greenhouse gas offset mechanism. The project receiving the same is a manufacturing plant in India that has switched its fuel source from coal and oil to locally gathered biomass. This is indeed a significant milestone for a number of reasons; it recognizes the effectiveness of the mechanism, showcases how developing countries are contributing their bit towards a healthy and better environment, and reinforcing the importance of bioenergy in the fight for a cleaner, greener world.

In September, we also celebrated the silver jubilee of the **International Day for the Preservation of the Ozone Layer**. The day was declared in 1987 under the Montreal Protocol and is since then celebrated worldwide every year. While a lot has been done on this front, there is still a long way to go. Consider these facts...

- Since the late 1970s, a steady decline of about 4% per decade in the total volume of ozone in Earth's stratosphere has been observed (Ozone Depletion)
- Ozone layer in Antarctic regions have reduced by 33% from pre-1975 values.
- Between December 2010 and March 2011 up to 80% of the ozone in the atmosphere at about 20 kilometers above the surface was destroyed.

Escalating the use of renewable energy resources is one of the surest ways of controlling and perhaps beginning the process of reversing the damage we have done to our planet. We at BECI are fully committed to this cause, and promise to bring you news and information on the exciting new projects and developments in renewable energy, especially bioenergy, from around the world.

Thank You.

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[http://www.bioenergyindia.org/
frmsendnewsfeedback.aspx](http://www.bioenergyindia.org/frmsendnewsfeedback.aspx)

Policy Initiatives

INDIA

India offers help to Tajikistan on unconventional energy

www.zeenews.india.com/news/nation/india-offers-help-to-tajikistan-on-unconventional-energy_797502.html

World Bank's UD\$100mn loan to support green development in India's Himachal Pradesh

The Development Policy Loan (DPL) will help Himachal Pradesh move toward an "environmental model of economic recovery." The DPL has been designed to promote "inclusive green growth," and will help the mountainous state launch "transformative actions across its key engines of economic growth.

www.hydroworld.com/articles/2012/09/world-bank-loan-to-support-green-development-in-indias-himachal-pradesh.html

Punjab Government inks MoU with TERI to tackle environmental issues

www.business-standard.com/generalnews/news/punjab-govt-inks-mouteri-to-tackle-environmental-issues/57824/

The Union Government spends more on climate change than on health sector

www.thehindu.com/news/states/karnataka/article3908025.ece

EUROPE

Northern Ireland opens funding program for biomass heat, power

Northern Ireland's Department of Agriculture and Rural Development is reopening the EU co-financed Biomass Processing Challenge Fund.

According to information released by the department, the fund aims to encourage agriculture and forestry business to install biomass-fueled technologies, primarily to aid farm-level agricultural activities. The fund can contribute up to 40% of the cost of an eligible project, up to £320,000 (\$515,000) per project.

www.biomassmagazine.com/articles/8071/northern-ireland-based-biomass-power-plant-now-operational

OTHER COUNTRIES

Government to fund algae biofuels programme in Japan

www.fis.com/fis/worldnews/worldnews.asp?l=e&country=0&special=&monthyear=&day=&id=55102&ndb=1&df=0

Australian Government awards \$2mn grant to the Aurora Algae

The grant has been used to advance Aurora Algae's demonstration facility in Karratha, Australia and enabled the company to develop a pilot facility comprised of six one-acre ponds. The pilot plant is capable of producing 12-15 metric tons of algal biomass per month.

www.biomassmagazine.com/articles/8116/aurora-algae-secures-full-payment-of-2-million-grant

Policy Initiatives

National policy on climate change to be approved in Pakistan

The National Policy on Climate Change will address issues related to flood damage after heavy rainfall in Pakistan during monsoon every year.

www.brecorder.com/general-news/172/1236113/

Sabah Government embarks on more green energy policies

www.theborneopost.com/2012/09/22/sabah-embarks-on-more-green-energy-policies/

INDIA

Orient Green Power Company Ltd to expand another biopower generation facility to 105MW

www.thehindubusinessline.com/companies/article3855148.ece?homepage=true&ref=wl_home

Haryana state Government signs MoU with Power producers

The MoU has been signed to set up five different bio-power projects having capacity of 51MW.

www.bioenergy-news.com/index.php?/Industry-News?item_id=5426

Bio-waste management projects to come up in Jammu, Srinagar

The project will cater to the disposal of waste products generated in hospitals within 150km radius in the cities of Srinagar and Jammu.

www.business-standard.com/generalnews/news/bio-waste-management-projects-to-comein-jammu-srinagar/51622/

Guruvayur Devaswom Board to setup a waste management plant in Punnathurkotta

The plant will process the elephant excreta and other waste that get accumulated in Punnathurkotta.

www.articles.timesofindia.indiatimes.com/2012-09-20/kochi/33976073_1_waste-management-plant-elephants-guruvayur-devaswom-board

Hanjeer Co. to set up waste plant in Bangalore

www.articles.timesofindia.indiatimes.com/2012-09-22/bangalore/34021427_1_waste-plant-solid-waste-garbage-segregation

ITC to invest Rs 100 crore in RE

<http://www.thehindubusinessline.com/companies/article3871162.ece>

Chempolis to set up biorefinery in India

The company has developed and patented technologies to refine residual agricultural biomass into high quality products while minimizing environmental impact and maximizing social benefits.

www.utilityproducts.com/news/2012/09/03/chempolis-to-set-up-biorefinery-in-india.html

Finnish cleantech companies look for opportunities in India

www.eco-business.com/news/finnish-cleantech-companies-look-for-opportunities-in-india/

International demand for eco-friendly Ganesh idols rises

www.expressindia.com/latest-news/international-demand-for-ecofriendly-ganesh-idols-rises/1003577/

India Inc needs to concentrate on biodiversity: Expert

www.thehindubusinessline.com/news/science/article3938291.ece

Business & Markets

NORTH AMERICA

Enova Energy Group to build 3 wood pellet plants in Georgia and South Carolina

Each facility will produce 4,50,000 metric tons of pellets and create total 450 jobs during construction and over 200 permanent jobs.

www.redorbit.com/news/business/1112695928/enova-energy-group-announces-wood-pellet-projects/

General Biofuels to construct \$60mn wood pellet plant in Georgia

The plant will produce 4,40,000 tons per year of pellets.

www.biomassmagazine.com/articles/8087/general-biofuels-to-construct-pellet-plant-in-ga

The Atikokan power plant's coal to biomass conversion

The plant will use biomass supplied by Ontario's forestry sector to produce about 200MW of biopower.

www.biofuelsandbiomass.energy-business-review.com/news/ontario-begins-atikokan-power-plants-coal-to-biomass-conversion-130912

National Science Foundation provides \$4.81mn grant for assessment of bioenergy projects in both North and South America over 5 years

www.bioenergy-news.com/index.php?Industry-News?item_id=5399

Millar Western to build \$42mn bioenergy facility in Canada

The facility will be in integration with its' bleached chemi-thermo-mechanical pulp (BCTMP) mill at Whitecourt, Alberta, Canada. The project will involve integration of anaerobic hybrid digesters (AHDs) into the mill's existing aerobic effluent treatment system. The AHD units will recover organic material from the pulp mill's effluent stream and convert it to biogas. After conditioning, the biogas will be used to fuel reciprocating engines, to generate 5.2MW of power.

www.wood.lesprom.com/news/Millar_Western_to_build_42_million_bioenergy_facility_in_Canada_53393/

Nexterra Systems and GE construct \$34mn bioenergy facility

The facility - developed by University of British Columbia, will provide 12% of the University's heat requirements by using tree trimmings, wood chips. It is also capable of reducing GHG emissions by 5,000 tons per annum

www.cospp.com/news/2012/09/18/university-of-british-columbia-unveils-34m-bio-energy-facility.html

Construction of organic biofuel facility in Canada

The facility will generate 80,000 MT of organics/year by processing residential and commercial kitchen and yard waste.

According to the Surrey Mayor Dianne Watts, the facility will establish a new benchmark in Canada and provide environmental benefits to the entire region while helping Metro Vancouver achieve a regional 70% waste diversion target by 2015

www.vancouversun.com/technology/Surrey+build+organics+biofuel+facility+that+sets+national+benchmark/7273983/story.html

Business & Markets

Native Americans sign \$3bn biofuels deal

The Council of Energy Resource Tribes (CERT), a group of 57 Native American tribes, has signed a long-term development agreement for up to \$3bn in biofuels and bioenergy projects across tribal lands in California.

The “Thunderbird” project will unfold over the next 10-15 years, and will include a variety of technologies using multi-feedstocks spearheaded by CERT, biofuels company BioJet and developer Tartoosh Environmental

Key highlights of the agreement:

- Use more than 750,000 acres of agricultural land for biofuel feedstocks, with by-products used as animal feed
- Recover existing bioenergy feedstocks, such as 5 million board feet of damaged existing timber
Develop natural gas resources
- Use algae feedstocks as refining technologies become more economically feasible
- Build 10 refineries that can process up to 250mn gallons of renewable jet fuel and diesel, and 300mn gallons synthetic jet or diesel a year
- Build 5 WTE plants that convert waste biomass to high value energy products such as C5 molasses (used in food production), clean energy, ethanol, biochemicals, and lignin (a supplemental fuel)
- Create Integrated RE Parks where possible that house multiple RE sources

www.sustainablebusiness.com/index.cfm/go/news.display/id/24105

Waste Management ranked a leading sustainable company in the Dow Jones Sustainability and Carbon Carbon Disclosure Project Indexes

www.dailyfinance.com/2012/09/17/waste-management-ranked-a-leading-sustainable-comp/

Wellesley - 1st green powered community in Massachusetts

www.wellesley.patch.com/articles/wellesley-is-1st-green-powered-community-in-mass

EUROPE

Italian Romita Energie Verde to invest €41mn for 10MW biopower facility in Romania

www.business-review.ro/featured/romita-to-put-eur-41-mln-for-a-10mw-biomass-plant-in-romania/

Innovente to build 8.8MW biopower plant in Quebec

www.cospp.com/news/2012/09/26/innovente-to-build-biomass-to-energy-plant-in-quebec.html

Envirotherm and ZeroPoint Clean Tech to build biopower plants

The plants will be in the range of 2MW – 20MW.

www.cospp.com/news/2012/09/17/envirotherm-and-zero-point-clean-tech-to-build-biomass-power-plants.html

Eni to convert \$130mn Venice plant for biofuels

www.upi.com/Business_News/Energy-Resources/2012/09/24/Eni-to-convert-Venice-plant-for-biofuels/UPI-31351348489298/

UK ranked 8th on waste management in Europe: 27 EU Member States

www.eaem.co.uk/news/uk-ranked-8th-waste-management-europe

1bnth certified emission reduction milestone

The 1bnth Certified Emission Reduction (CER) credit under the Kyoto Protocol's Clean Development Mechanism (CDM) will be issued, marking an impressive milestone for the world's leading GHG offset mechanism. The CER will be issued to a project at a manufacturing plant in India that has switched its fuel source from coal and oil to locally gathered biomass.

The recipient of the 1bnth CER, reduces CO₂ emissions by 17,475 tonnes annually, about the equivalent of removing 3,100 passenger cars from the road each year

www.scoop.co.nz/stories/WO1209/S00056/one-billionth-certified-emission-reduction-milestone.html

OTHER COUNTRIES

A RM125mn biopower plant in Felda Jengka

The facility - owned by Felda Global Ventures Holdings, will produce 12.5MW of power using empty fruit bunches.

www.power-eng.com/news/2012/09/10/fgv-s-biomass-power-generation-plant-in-jengka-to-be-operational-in-december.html

World e-waste market to exceed US\$1.8bn by 2017

www.recyclinginternational.com/recycling-news/6536/e-waste-and-batteries/global/world-e-waste-market-exceed-us-1-8-billion-2017

TNT express in Lebanon launches waste management programme to create awareness for recycling activities

www.ameinfo.com/tnt-express-lebanon-launches-waste-management-310753

Ozamis local Government allots P135mn for SWM system

www.pia.gov.ph/news/index.php?article=1451348450160

Japan to increase capacity of four RE sources by more than sixfold

www.shimbun.denki.or.jp/en/news/20120904_01.html

China continues to dominate global RE market

www.planetsave.com/2012/09/11/china-continues-to-dominate-global-renewable-energy-market/

Airbus - Sinopec to develop renewable jet fuel in China

www.mb.com.ph/articles/374896/airbus-sinopec-working-to-develop-renewable-jet-fuel-in-china

Egyptian greenfield plant begins export of eco-friendly building materials

www.ameinfo.com/egyptian-greenfield-plant-begins-export-eco-friendly-313022

Finance & Investments

INDIA

US-India collaboration awarded \$125mn funding for energy crop work

The grant will enable University of Missouri agroforestry researchers to put potential marginal land energy crops through a rigorous 5 year testing program. The university will be allotted \$4.5mn to study varieties of switchgrass, sorghum and various tree species.

www.biomassmagazine.com/articles/7945/u-s-india-collaboration-awarded-funding-for-energy-crop-work

NORTH AMERICA

CEC awards \$1.8mn to Northern California biodiesel firm

The fund will enable Ukiah-based Yokayo Biofuels Inc. to increase its biodiesel production capacity from 1,400 gallons a day to 2,000 gallons.

www.sacbee.com/2012/08/13/4721980/energy-commission-awards-18-million.html

USDA to grant \$99mn loan to Chemtex to develop advanced biofuels

Once operational, the Chemtex facility would convert 600,000 tons of energy grasses per year into an estimated 20mn gallons of cellulosic ethanol.

<http://www.renewableenergymagazine.com/article/usda-guarantees-99-million-loan-to-support-20120823>

Rollcast Energy project awards \$250,000 woody biomass utilization grant

www.biomassmagazine.com/articles/7938/rollcast-energy-project-awarded-woody-biomass-utilization-grant

The National Science Foundation awards \$5.8mn to improve climate-change education in Maryland and Delaware

http://www.baltimoresun.com/features/green/blog/bs-gr-climate-change-teaching-20120815,0,5751051_story

AFRICA

Ghana to receive \$30mn-\$50mn for climate change reduction projects through the Forest Investment Programme of the World Bank

<http://www.ghananewsagency.org/details/Science/Ghana-to-receive-funding-for-climate-change-reduction-projects/?ci=8&ai=48005>

African green energy projects receives \$825,000 boost

www.thecitizen.co.tz/business/13-local-business/25256-african-green-energy-projects-get-825000-boost.html

INDIA

Biomass Smokeless Cookstove launch in Manipur

www.e-pao.net/GP.asp?src=28..220912.sep12

NORTH AMERICA

Sorghum - suitable as a bioenergy crop:USDA

www.esciencenews.com/articles/2012/09/17/sorghum.eyed.a.southern.bioenergy.crop

AFRICA

Western Cape restaurant used cooking oil turned into biodiesel

www.engineeringnews.co.za/article/used-western-cape-restaurant-cooking-oil-turned-into-biodiesel-2012-09-18

Climate Change & Environment

INDIA

Climate change will lead to more rains, high temperature in Gujarat: Indian Institute of Science (IIS), Bangalore

www.articles.timesofindia.indiatimes.com/2012-09-12/surat/33788785_1_climate-change-solar-cities-urban-areas

Himalaya glaciers melting rapidly in some regions: National Research Council

As per the study, changes to glaciers in the Hindu Kush-Himalayan region, could affect the area's river systems, water supplies, and the South Asian population.

www.articles.timesofindia.indiatimes.com/2012-09-14/science/33843631_1_glaciers-hindu-kush-himalayan-river-basins

EUROPE

EU emissions down 2.5% in 2011

www.france24.com/en/20120907-climate-eu-emissions-down-25-percent-2011

AFRICA

Experts from African countries in Ghana to discuss on climate change policies

www.gbcghana.com/index.php?id=1.1055693

OTHER COUNTRIES

NASA Voyager Mission to study climate changes due to salt levels in the Ocean

www.thesop.org/story/20120908/nasa-voyager-mission-to-study-climate-changes-due-to-salt-levels-in-the-ocean.html

mn - Million | bn - Billion | RE - Renewable Energy | BTL - Biomass-To-Liquid | CDM - Clean Development Mechanism | CCS - Carbon Capture & Storage | BCAP - Biomass Crop Assistance Program | MSW - Municipal Solid Waste | AD - Anaerobic Digestion | WTE - Waste-to-Energy | SWM - Solid Waste Management

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Organic manure to cater to large-scale, agricultural requirements.



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