



*Few minutes of darkness..
for bright future*

HIGHLIGHTS

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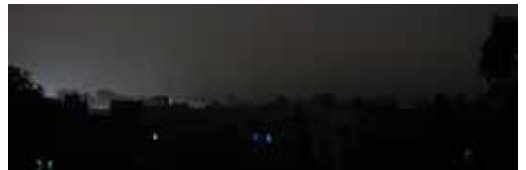
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Dear Readers,

Can you imagine a few minutes of darkness around you? No electricity around and we become handicapped at once. Amongst the comforts of our lives, we often forget that roughly a quarter of the world's population - about a billion and a half people - still live without electricity.

"Earth Hour" is a global initiative that marks the significance of electricity in our lives, and the need to use this precious resource optimally. Every year, "Earth Hour" is celebrated with a gesture of switching off non-essential lights for one hour all over the world.

This year, we celebrated "Earth Hour" on 31st march 2012. With almost over 100 countries participating, "Earth Hour", has emerged as one of the largest global campaigns to combat climate change. In India too, cities rose to the challenge as schools, colleges, organizations, residential colonies, and individuals switched off collectively. The country saw candle light marches, candle light dinners, awareness programs, signature campaigns and more to celebrate "Earth Hour", contributing its share towards a powerful call to action of hope for a better, healthier planet.

Thank You.



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

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Policy Initiatives

INDIA

Biogas plants to be set up in schools and markets by Kerala Sustainable Urban Development Project

Biogas plants would have the capacity to process up to 150 kg a day.

www.thehindu.com/news/states/kerala/article3223753.ece

India and Basque Country to enhance cooperation in RE

Dr. Abdullah suggested India and Spain have great potential for enhancing cooperation in promoting RE and offered to provide all possible assistance for the purpose.

www.pib.nic.in/newsite/erelease.aspx?relid=81459

New GHG standards unveiled for corporate value chain and products in India

The GHG Protocol launched two new standards to empower businesses to better measure, manage, and report their GHG emissions. Developed by the World Resources Institute and the World Business Council for Sustainable Development, the Corporate Value Chain and Product Life Cycle Standards enable companies to save money, reduce risks, and gain competitive advantages. The GHG Protocol standards allow Indian companies to identify and target new market opportunities for low carbon business models and products.

www.energetica-india.net/news/new-greenhouse-gas-standards-unveiled-for-corporate-value-chain-and-products-in-india

NORTH AMERICA

Wayne Conservation District to launch county-wide committee on biomass

The Board of Directors approved establishment of a county-wide committee on the development of biomass as part of an effort to keep county farmland.

www.riverreporteronline.com/news/14/2012/03/21/wcd-launch-county-wide-committee-biomass

Lawmakers urge Obama administration to support biodiesel

60 members of Congress from across the country have signed letters to the White House urging the Obama administration to follow through with the U.S. EPA's proposal to increase the biodiesel volume requirement under the renewable fuel standard.

www.biodieselmagazine.com/articles/8381/lawmakers-urge-obama-administration-to-support-biodiesel

Florida legislature passes key solid waste legislation

This bill is a major rewrite of the environmental permitting laws that includes language that will double the term of permit extensions for solid waste management facilities with leachate collection systems from 10 to 20 years. Those facilities without leachate collection systems would be able to extend their permit terms from 5 to 10 years.

www.marketwatch.com/story/nswma-florida-legislature-passes-key-solid-waste-legislation-2012-03-13

First ever standards proposed to limit emissions from US power plants

The Carbon Pollution Standard will prevent any new coal power plants from being built without CO₂ Capture and Storage (CCS). The power sector currently contributes to one third of the emissions produced by the US, with 40% of the power being generated in conventional coal-fired stations.

www.bellona.org/articles/articles_2012/EPA_carbon_pollutionstandard

Policy Initiatives

EUROPE

Italy energy regulator backs carbon tax introduction

www.reuters.com/article/2012/03/30/italy-carbontax-idUSL6E8EU26920120330

EU brings farms and forests into low-carbon plans

EU has called on European Governments to include data on CO₂ emissions from farming and forestry in their efforts to tackle climate change. The goal is to accurately measure CO₂ emissions from biomass used for energy and from ploughing and logging.

www.bbc.co.uk/news/world-europe-17351137

New UN agreement seeks to protect environment

The collaboration with the Secretariat of the Basel Convention will allow the global community to address this ever-increasing problem through a holistic approach, involving the recycling industry as well as environmental policy makers.

www.indiablooms.com/EnvironmentDetailsPage/2012/environmentDetails140312a.php

Italy expands environmental Cooperation with China

The Italian ministry also signed an agreement with the Beijing municipality to enhance the capital city's environment, including air quality, soil, and water treatment, according to the Sino-Italian Cooperation Program for Environmental Protection.

www.english.peopledaily.com.cn/90883/7763717.html

Denmark Passes Legislation: 100% RE by 2050

Denmark's Parliament has passed the most ambitious green economy plan in the world: it will generate 35% of its energy from renewable energy by 2020 and 100% by 2050.

www.sustainablebusiness.com/index.cfm/go/news.display/id/23557

AFRICA

South Africa protects small farmers in proposed biofuels policy

The Government is planning to that at least 25% of the feedstock used to fill the country's upcoming ethanol and biodiesel blending mandate be supplied by small-scale farmers. The policy could affect up to 28,800 small-scale farmers.

www.biofuelsdigest.com/bdigest/2012/03/28/south-africa-protects-small-farmers-in-proposed-biofuels-policy

UNDP commends Government for its Climate Resilient Policy in Ghana

The United Nations Development Programme commended Government for taking the initiative to develop a climate resilient low carbon growth path within the context of the National Climate Change Policy Framework..

www.business.peacefonline.com/news/201203/102797.php

Policy Initiatives

OTHER COUNTRIES

Malaysia Biomass Alternative Strategy initiative launched to strengthen national biomass strategy

MBAS would focus on driving new sources of income generation, driving inclusiveness through job creation at all levels and enhancing development of new industries through utilization of biomass.

www.nst.com.my/top-news/1mbas-to-strengthen-national-biomass-strategy-1.64445

China asks EU to withdraw carbon tax plan

Under the scheme, it is estimated that around 4,000 airlines will pay the EU for pollution permits, rendering the ETS one of the widest-reaching emission-regulative measures adopted by any country or regional bloc.

www.zenews.india.com/business/international/china-asks-eu-to-withdraw-carbon-tax-plan_43127.html

INDIA

Indian companies to build biodiesel plant

World Health Energy Holdings has signed a letter of intent with Prime Minister, an Indian industrial and transport company, to build a biodiesel production facility on a budget of \$100mn.

www.biofuels-news.com/industry_news.php?item_id=4755

FMCI installs first innovative biogas plant

The plant will convert the organic garbage into cooking gas.

www.deccanherald.com/content/238422/fmci-installs-first-innovative-biogas.html

NORTH AMERICA

Ecogen building biopower plant in Polk County

The plant will burn wood chips from a variety of eucalyptus trees.

www.newschief.com/article/20120330/NEWS/203305002/1021/news01?Title=Ecogen-building-biomass-power-plant-in-Polk-County

Colbalt wins biofuel order from US Navy for Jet biofuel made from soft woods and forest waste

www.cleantechnica.com/2012/03/22/forget-algae-biofuel-navy-jets-could-run-on-toothpicks/

Porter Airlines to power biofuel flight

Porter Airlines is to power a Bombardier Q400 turboprop airliner on biofuels in Canada as the first such revenue flight in the country. The fuel is made up of a 50/50 blend with Jet A1 fuel. The biofuels is produced from *Camelina sativa* (49%) and *brassica carinata* (1%).

www.biofuels-news.com/industry_news.php?item_id=4756

Vega Biofuels to build torrefaction plant in South Georgia

The facility will produce bio coal from timber waste as part of a green energy torrefaction process.[www.](http://www.bioenergy-news.com/index.php?/Industry-News?item_id=4743)

[bioenergy-news.com/index.php?/Industry-News?item_id=4743](http://www.bioenergy-news.com/index.php?/Industry-News?item_id=4743)

Motiva expands B100 biodiesel terminal capacity in New Jersey

The project to convert two tanks of current heating oil storage to B100 biodiesel at its Sewaren Terminal.

www.biofuelsdigest.com/bdigest/2012/03/12/motiva-expands-b100-biodiesel-terminal-capacity-in-new-jersey/

Biodiesel producer MSE to green bus fleet in Ontario

The Company has established collaborative arrangements with distributors of petroleum products to provide a biodiesel blend to public and private customers.

www.pnnewswire.com/news-releases/mse-enviro-tech-corp-reports-2-year-biodiesel-sales-agreement-142674205.html

DuPont joins Stanford's Global Climate and Energy Project

www.nanowerk.com/news/newsid=24562.php

EUROPE

Ukrainian producers raise the export price of pellets in Poland

In 2010 the export of biofuel in the EU increased by 63.5% compared to the previous year and in 2011 the export share decreased to 20%.

www.pellets-wood.com/ukrainian-producers-raise-the-export-price-of-pell-o7981.html

Business & Markets

Multi million pound biomass project launched in UK

A £20mn initiative is under way in Wales that could open up new commercial avenues for farmers able to grow crops such as ryegrass, oats, miscanthus and other “greens”.

www.farmersguardian.com/home/latest-news/multi-million-pound-biomass-project-is-launched/45971.article

Kedco plans biomass facility in Rutland County

The facility is expected to produce up to 1.3MW of electricity from locally grown agricultural material, enough energy to supply the equivalent of over 2,350 homes.

www.proactiveinvestors.co.uk/companies/news/39659/kedco-plans-biomass-facility-in-rutland-county-39659.html

Shepherd to build biomass plant at Drax power station

www.constructionenquirer.com/2012/03/15/shepherd-wins-50m-drax-biomass-facility/

Sweden helps US up bioenergy potential

www.thebioenergysite.com/news/10648/sweden-helps-us-up-bioenergy-potential

Finland sceptical on EU biomass plans

www.tjonline.com/story.asp?sectioncode=17&storycode=69972&c=2

E.ON's UK 150MW biomass plant given go-ahead

The plant will use imported wood pellets, energy crops and locally sourced waste wood to produce electricity.

www.reuters.com/article/2012/03/12/biomass-eon-brisol-idUSL5E8EC4E120120312

Biomass heat plan to aid rural Shropshire schools

Rural schools in Shropshire will save money on their heating bills by switching from costly oil and gas supplies to boilers fuelled on pellets made from sawdust

www.shropshirestar.com/education/2012/03/20/biomass-heat-plan-to-aid-rural-shropshire-schools/

WELTEC BIOPOWER commences biogas plant construction in Arneburg, Germany

The plant has a capacity to produce approximately 6 million cubic metres of biomethane per year.

www.azocleantech.com/news.aspx?newsID=16323

Canola crusher offers EU-grade sustainability program

Sustainable Grower Program is to help make it easier for growers in Western Canada to become certified sustainable and connect to higher-value global markets.

www.albertafarmexpress.ca/news/canola-crusher-offers-eu-grade-sustainability-program/1000992865/

Ontario renews commitment to biogas generated RE

www.energydigital.com/press_releases/mining-and-metals/ontario-renews-commitment-to-biogas-generated-renewable-energy

AFRICA

Africa: Bharti Airtel building 'Green Network' in Africa

Airtel, has announced significant milestones in its endeavor to build a 'green' environment friendly mobile network and reduce its carbon footprint in Africa. The Company plans to reduced the number of telecom sites running solely on diesel by more than 50% by overcoming the challenge of lack of grid connectivity through use of innovative models such as Hybrid Battery Bank.

www.afriquejet.com/africa-bharti-airtel-building-green-network-in-africa-2012031735158.html

OTHER COUNTRIES

Areva to build 9.9 MW biopower plant in Thailand

The plant will be fuelled by rice husk and bagasse, and should generate enough electricity to power 6,000 to 8,000 households.

www.biomassmagazine.com/articles/6204/areva-to-build-9-9-mw-biomass-plant-in-thailand/

Green initiative produces first biomass town in Malaysia

The biomass project is exercised through separation of food waste in food courts, market waste separation and organic waste composting project.

www.nst.com.my/streets/central/green-initiative-produces-our-first-biomass-town-1.63029

Collaborative oil palm biomass center launched in Malaysia

www.azocleantech.com/news.aspx?newsID=16355

Pakistan Council of Renewable Energy Technologies to install 368 biogas plants in rural areas

The project focuses on development and promotion of biogas technology for meeting domestic fuel needs of rural areas and production of biocfertilizer.

www.pakobserver.net/detailnews.asp?id=147107

Finance & Investments

INDIA

Corporation gets Rs 5.7crore for waste management

The state Government has allotted the funds to these local bodies for modernization of existing sewage treatment plants, to set up new sewage treatment plants in other municipalities and for source-level waste management.

www.articles.timesofindia.indiatimes.com/2012-03-31/thiruvananthapuram/31266422_1_waste-management-sewage-treatment-plants-disposal

Budget 2012: India approves Rs.200crore for climate change research

www.zeenews.india.com/news/eco-news/budget-2012-india-approves-rs-200-crore-for-climat-change-research_764177.html

Overseas Private Investment Corp to consider \$250mn loan to Infrastructure Development Finance Co. (IDFC) for India renewable projects

The loan would allow IDFC to finance more renewable-energy and energy-efficiency projects.

www.bloomberg.com/news/2012-03-22/opic-to-consider-250-million-loan-for-india-renewable-projects.html

NORTH AMERICA

University of Iowa biomass project receives funding

The project will utilize a Geographic Information System to locate potential biomass within a 75-mile radius surrounding the Iowa City campus.

www.biomasstmagazine.com/articles/6190/university-of-iowa-biomass-project-receives-funding

Obama administration announces new funding for biomass research and development initiative

The White House announced up to \$35mn over three years to support research and development in advanced biofuels, bioenergy and high-value biobased products.

www.environmental-expert.com/news/obama-administration-announces-new-funding-for-biomass-research-and-development-itive-286484

PowerStream pumps \$930K into York U's sustainable energy program

The funds go to the faculty's Sustainable Energy Initiative to establish the PowerStream Chair in Sustainable Energy Economics, the PowerStream Sustainable Energy Innovation Fund as well as to create new graduate and undergraduate awards.

www.yorkregion.com/news/article/1307859--powerstream-pumps-930k-into-york-u-s-sustainable-energy-program

FPL awards \$39,000 in grants to teachers across Florida to fund RE projects

The grants will fund classroom projects to teach students about renewable energy sources and uses.

www.bradenton.com/2012/03/13/3935911/fpl-awards-39000-in-grants-to.html

Finance & Investments

EUROPE

AREVA awarded funding for innovative biomass project

The concept of biomass plant aims to improve upstream technologies for multi-fuel acceptance and higher availability.

www.cospp.com/articles/2012/03/areva-awarded-funding-for-innovative-biomass-project.html

Italian company receives €900k for biofuels production

www.bioenergy-news.com/index.php?/Industry-News?item_id=4751

Waste-to-biogas company GreenWatt secures 6mn

The biogas can be used as fuel in combined heat and power engines.

www.altassets.net/private-equity-news/by-news-type/deal-news/gimv-agri-leads-e6m-round-for-waste-to-energy-company-greenwatt.html

UK university wins £1m low carbon network funding

The funding will enable researchers to finance two new projects, which aim to help prepare electricity grids for increased use of low carbon technologies, as well as providing additional finance for an existing project

www.energysavingwarehouse.co.uk/blog/?p=545

LATIN AMERICA

Argentinian biodiesel specialist Keclon secures seed financing

www.altassets.net/private-equity-news/by-news-type/deal-news/argentinian-biofuel-company-keclon-nets-seed-capital.html

AFRICA

AfDB provides \$336mn financing for clean energy, road infrastructure development in Kenya

www.ghanabusinessnews.com/2012/03/20/afdb-provides-336m-financing-for-clean-energy-road-infrastructure-development-in-kenya/

R & D - Technology

INDIA

Indian Oil Corporation Faridabad unit to pump in bio-fuel

www.articles.economicstimes.indiatimes.com/2012-03-26/news/31240306_1_bio-fuels-research-work-indian-oil-corporation

NORTH AMERICA

Biomass Energy Lab tests giant king grass pellets

The lab performed testing on the giant king grass pellets that included proximate and ultimate analyses, elemental analysis of mineral ash and ash fusion properties. The tests showed that Viaspace's king grass pellets hold a gross calorific value of 18.33 to 18.81 gigajoules (GJ) per oven dry ton

www.biomassmagazine.com/articles/6179/biomass-energy-lab-tests-giant-king-grass-pellets

OTHER COUNTRIES

Palm oil biomass promises huge potential for Malaysia

Malaysia generates up to 80mn tonnes of residue or waste annually from palm plantation.

www.my.news.yahoo.com/palm-oil-biomass-promises-huge-potential-malaysia-080609608.html

Climate Change & Environment

INDIA

Great Himalaya Trail projected as a climate frontier in the Himalayas

www.explorersweb.com/trek/news.php?id=20724

Climate change in Western Ghats to hit water supply

www.dnaindia.com/bangalore/report_climate-change-in-bangalore-s-western-ghats-to-hit-water-supply_1665817

Wheat yields may fall by 6-18% by 2020 on climate change

The productivity of staple grain wheat could decline by upto 18% by 2020 due to adverse impact of climate change which is causing rise in temperature. The yield of another major food crop rice might also fall by up to 6 % by 2020.

www.articles.timesofindia.indiatimes.com/2012-03-30/global-warming/31260395_1_climate-change-wheat-yields-adaptation-measures

EUROPE

UK GHG down 7% in 2011

Winter helped UK GHG fall 7% in 2011, as people used less gas to heat their homes - Department of Energy and Climate Change.

www.guardian.co.uk/environment/2012/mar/29/uk-greenhouse-gas-emissions-2011

AFRICA

South Africa: MTN plants trees to create awareness about climate change

MTN has planted 3 500 trees in four months and the telecommunications giant is on course to reach its target of 5 500 by Earth Day.

www.lafrica.com/stories/201203230926.html

Farmers learn to adapt to effects of climate change in Ghana

The training would also help them understand climate information, future changes in climate, implications for changes in hazards and risk, possible impacts and identify situations they can cope with and others that they have to adapt to.

www.ghanabusinessnews.com/2012/03/26/farmers-learn-to-adapt-to-effects-of-climate-change/

OTHER COUNTRIES

Climate change to cost Pakistan \$14bn annually

Climate Change could cost the economy of Pakistan up to \$14bn annually for natural disasters and other losses, which are almost 5% of the GDP.

[www.thenews.com.pk/Todays-News-2-99268-Climate-change-to-cost-Pakistan-\\$14-billion-annually](http://www.thenews.com.pk/Todays-News-2-99268-Climate-change-to-cost-Pakistan-$14-billion-annually)

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

Power Trading: A step towards

- Power saving,
- Continuous supply,
- Sustainable Growth



Bilateral Trading



Trading Through Exchange



Green Power



Renewable Energy Certificate

Abellon is a CERC authorized Power Trader and has been providing services to facilitate open access to large (HT) consumers. Abellon facilitates all types of Power trading including Bilateral & through Exchanges (PXIL & IEX). Abellon maintains a pool of buyers and sellers through which Bilateral transactions (Short term, Medium term & Long Term) are conducted from time to time. Abellon also trades green power to cater to the needs of environment conscious consumers.

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