

AL SIDRAH

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Global Warming Conference in RAK

Under the patronage of His Highness Sheikh Saud bin Saqr Al Qasimi , supreme council member , Ruler of Ras Al-Khaimah , the Environmental Protection and Development Authority in Ras Al-Khaimah organize the 4th International Conference On Global Warming: Ecosystem Productivity , from 3-5 April in Convention Center— Hilton Al Hamra Beach & Golf Resort ,Ras Al Khaimah

It comes periodically every two years to discuss the most important environmental developments in the global level and the main variables that can put recommendations and successful solutions for it in the aim of support human life and sustainability . In addition, Dr.Thani Al Zuyodi- Minister of Climate Change and the Environment in the United Arab Emirates- gave the conference word , and there was about 30 scientific papers from different countries , it shed light upon the effects of climate change in environment , and discuss the research that are interested in this field to put successful solutions to product global eco-system in the future .



EPDA hosted Gulfar Secondary School for girls , and interduce them to the Authority and provide them an awareness lecture about the importance of mangroves , with a small visit to Khor Al Muzahmi to define the students about the importance of mangroves and their role to maintain the ecosystem .



EPDA organized (Honoring Ceremony for Partners and Outstanding employees) at Hilton Al Hamra Beach & Golf Resort ,Ras Al Khaimah. where it was honored 54 federal and local partners .In addition, EPDA also honored journalists and the private sector . Dr.Saif Al ghais said EPDA keen to honor his partners to proof their active role in supporting the authority and achieve its vision and mission .



EPDA organized number of environmental awareness lectures in different schools in RAK about Sustainable Environmental to support the strategic goals of the authority around raising environmental awareness to environmentally responsible actions. Add to that, EPDA distributed 125 trees under One Million and one tree initiative .



Dr.Saif Al Ghais participated in workshop for Advanced Materials in its 9th session , organized by Ras Al-Khaimah Research Center for Advanced Materials. on Sunday 19-2-2017 . Dr. Saif presented paper titled by (The effect of Trace Metals From Dam sediments on Plankton productivities in the Arabian Gulf)

VISION

Protection of the environment & sustainability of resources.

MISSION

Uniqueness in providing, monitoring and environmental awareness services through the application of laws and regulations and investing relationship with partners and conduct studies and research that contribute to the protection of our natural resources.

Dh36m automated irrigation network set up in Abu Dhab

An automated irrigation network is now being used for landscaping on Abu Dhabi island after the city municipality replaced its manual irrigation system.

The automated irrigation system, which was set up in three phases, cost Dh36 million (US\$ 10 million), and it is expected to prevent wastage of water while helping to achieve operational efficiency, the Municipality of Abu Dhabi City said in a statement sent today on Saturday. The Supervisory Control and Data Acquisition system has been set up to control



the efficient supply of water to green areas around the city. The new system can monitor and operate irrigation systems, and it helps cut operating costs. Maintenance costs are also expected to be reduced by 20 per cent, and the total amount of water required for irrigation will also be 15 per cent less.

The irrigation system also uses treated wastewater instead of fresh water, thus promoting water sustainability. In addition, the central control collects information from valves fixed to water tanks, and this data helps the municipality determine optimum operation and maintenance requirements.

Abu Dhabi adopt solar farm equivalent in their ability to the nuclear reactor

Abu Dhabi Water and Electricity Authority signed last year a contract with a Japanese company Marubeni and the Chinese company Jenkosolar. The alliance will provide the Authority with electricity by building and managing solar energy complex in Suwaihan.

The newness in this contract is that the capacity will increase up to 350 MW, where the initial capacity specified in the contract was 1180 MW, as quoted from the Japanese press about Marubeni Corporation. This capability will make Suwaihan compound the largest solar energy project in the world and comparable to a huge nuclear reactor.

The estimated cost of the project, which will occupy an area of 7.8 square kilometers is about 868 million US dollars, and will provide electricity for 25 years using photovoltaic technology. This project when fully implemented in 2019 will overtop the solar power plant in India, which has a capacity of 640 MW, and the giant plant in China with a capacity of 850 MW.



Whale Found With 30+ Plastic Bags in Its Stomach

Researchers in Norway were in for a shock when they discovered more than 30 plastic bags and other plastic waste inside the stomach

of a 6 meter whale. Resulting in stomach blockage hit very sick. After it was put down, University of Bergen researchers analyzed the whale's stomach and determined that the various non-biodegradable objects were likely the cause of death.



Nappies from corn starch

In fact, more than 1,800 tons are used daily in the U.S., and about 20% of total waste in landfills is discarded diapers.

Because diaper materials aren't biodegradable -- with plastic in the lining and a filling made with petrochemical-based polymer (sodium polyacrylate) -- throwaway diapers are toxic to the environment if left untreated. To cut down on environmental waste, one of starts –ups

specialized companies decided to developed a green alternative: a biodegradable material made from corn starch, rather than petrochemical polymer.

Corn starch may sound like an unusual ingredient to include in a diaper, but it's safe to use, available in large quantities and cheap to buy. A corn starch-based mixture is put through an extruder, a machine that changes material as it's compressed. A noodle-like material comes out the other end and is eventually turned into a powder. It's then mixed with other substances to enhance its absorbency.

France offers €200 subsidy on electric bike purchases

In a bid to get more people on their bikes, and to boost alternative transport methods, France is offering its citizens a financial incentive for purchasing an e-bike.

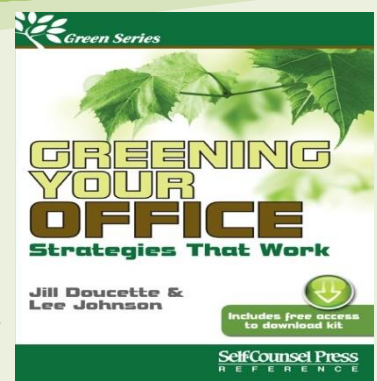
One way to empower more people to go for cleaner transportation options is to offer financial incentives, as Oslo recently demonstrated with its \$1200 electric cargo bike grant, and France looks to be giving the idea a go as well. As published.



on the French government site Legifrance, citizens can claim their €200 financial assistance (one per person) through January 31, 2018, for the purchase of a pedal-assist electric bike "with a net maximum power of less than 3 kW" and not having a lead-acid battery. This "ecological bonus" could help offset the higher purchase price of an e-bike (as compared with a conventional bike) and give French residents a little more motivation to use personal 'zero emission' vehicles.

While many early e-bikes and conversions took advantage of relatively cheap lead-acid batteries as their power source, most modern electric bicycles employ lithium-ion (or similar chemistry) battery packs, so that stipulation shouldn't hold anyone back. As far as the restriction that the qualifying e-bikes have a "net maximum power" of less than 3 kW, it shouldn't be an issue either, as most e-bike regulations already govern the maximum rating of electric motors on bikes (however, e- bike wattage rating aren't nearly as clear -cut as they seem).

According to Cycling Industry News , under 2% of the French population travels to work by bike, so this program could help boost the use of bicycles for daily travels. For many people who might not enjoy cycling on a conventional bike, one ride on an e-bike quickly makes converts of them, as an electric drive can make a huge difference in reducing the physical effort required, so here's hoping more French citizens take a test ride on an e-bike and take advantage of this 200 euro incentive



Greening Your Office

by [Jill Doucette](#) (Author), [Lee Johnson](#) (Author, Photographer)

Your office is your home away from home, and we all want it to be environmentally friendly and safe.

But it's usually someone else's job. This book, part of the Self-Counsel Green series, helps your office find more sustainable practices to save energy, reduce waste, and ultimately save money. It helps you develop a new office culture that leads the way in smart techniques to minimize your environmental footprint and build a stronger sense of your team's purpose.

National Environment Day 2017

UAE Celebrates twentieth «National Environment Day » which falls on February 4 every year, where they choose the occasion theme, inspired by the environmental challenges of the state. This year's theme " Sustainable Production and Consumption", which will be the slogan for the event over the three years "2017 - 2019". This slogan reflects the environmental challenges in the two themes of consumption and production and sustainability, where these topics are considered one of the important topics that revolve around the environment, to the fact that consumption is one of the sustainable development criteria, and environmental footprint. And sustainable production is one of the long-term targets for any state and government, who seeks to provide food security, environmental security and water to its people and it's the main way to reach happiness to the people. The extravagant in consumption, is one of the most important reasons that lead to the deterioration and lack of productivity of the environmental and natural resources, and thus adversely affect the health and safety of the environment. Therefore, we must maintain our resources by not extravagant in consumption and look for other ways to ensure sustainability, in order to benefit future generations.

What can I do to my environment?

Recycle:

Recycling help to save energy and environment protection program . and as an example of recycling programs , the San Francisco State recycles 75 % from materials that are collected . and convert 1.6 million tons of garbage dumps to new materials annually . According to the US Environmental Protection Agency , each pound of aluminum are recycled provides electrical power about 7.5 kilowatt hours .



Food recycling programs:

The United nations food and agriculture organization (FAO) estimates that nearly a third of the world productive food annually (it is about 1.3 million tons) go to garbage . Also the grocery , bakery shops and food makers around the world throwing tons of good food daily , either for aesthetic reasons or ended expiration date . Some charity programs help poor people , from provide some meals and turn them away from landfills into the bellies of people who are most need of them .

Try to encourage the restaurants and groceries to communicate with food relief organizations . and research in your store for canned food and non-perishable donation for the needy and poor people if you don't need it .

Plant a garden:

If you live on the outskirts of the city near the vegetable farms Such a good opportunity for you to bring fresh material and nutrients to your home. The establishment of the garden in the house do not need a large space, cultivation of a small space in the home can have a big impact on your diet in the face of rising food prices, and concerns about food safety, in addition to saving money. It can, for example, planting some seeds of lettuce in a small space near the window, which is easily available and cheap and can grow in the sun, a small garden like this provide you with your need of salads during the entire season.



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