

## A team from the Ministry of Climate Change and the Environment is visiting the EPDA for best practices in the field of environmental monitoring

In the framework of mutual cooperation, and exchange of experiences with various government departments, EPDA received team from the Ministry of Climate Change and the Environment to learn about the best practices in the field of environmental control carried out by EPDA towards the industries in the Emirate.

Where Environment Monitoring Department explained about how EPDA inspector carryout the site inspection of any establishment taking into consideration the natural resources conservation, waste segregation/storage, general housekeeping, air and water quality and emergency situation handling.

In addition , the team with EPDA staff was a visit one of the factories in the Emirate to check the best environmental practices applied by the factory under the supervision of EPDA, and the representative from ministry of climate change were satisfied with the situation on site especially the wind breakers to control the fugitive dust from storage area. Also EPDA share with them the smart application "Al Bayraq", which is used by inspectors during inspections, where the application is characterized by providing time and effort to the inspector where he can send inspection reports at the facility and take the necessary action by EPDA at the same time.

At the end of the meeting, the visiting team praised the regulatory services provided by EPDA, using smart programs, and their efforts to protect the environment and ensure its sustainability.



## Social Club Initiative

In order to improve the level of communication and enhance knowledge among the employees, the Authority continued the social club initiative, where the social club aims to exchange experiences , knowledge and enhance social communication among employees. In addition to emphasizing the importance of maintaining good ties and enhancing the values of communication between employees.



## EPDA receive a team from Ministry of Health and Prevention

EPDA receive a team from Ministry of Health and Prevention which organized a comprehensive educational program to qualify the safety team EPDA as part of the Giving Year. The program included training employees on how to use the measuring instruments for sugar and pressure, in addition to conducting tests for employees.

## 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.

## Yas Island gets 16 car charging points

Sixteen new Tesla chargers have been installed at Yas Mall and Yas Island theme parks, following the February announcement of Tesla Model S and X vehicles in the UAE.

The chargers complement four others - by BMW and Mercedes - at Yas Mall, and two electric vehicle-charging stations available at other key locations on the island. There are now a total of 22 charging stations across five locations to help ensure that electric vehicle operators can remain fully powered-up. The development also comes ahead of the arrival of the Tesla Model 3, which is due to launch at the end of the month. The new Tesla chargers, are reserved exclusively for



zero-emission electric cars and are available to use free of charge during the opening hours of the parks. Electric cars can achieve a full-charge within approximately 30 minutes. Yas Island's two theme parks have installed three chargers each, which are located outside their main entrances. This includes one for UAE/EU Tesla vehicles, one for North American Tesla vehicles and one for any vehicle manufactured to the EU Electric vehicle standards. These new chargers follow Yas Mall's 10 Tesla electric chargers - seven of which are compatible with all types of electric vehicles. This is in addition to two Mercedes B Class Electric Drive chargers, two BMW I Wallbox Pro chargers, one Tesla charger at the Yas Viceroy Hotel, and one electric vehicle charger at the ADNOC service station on Yas Island. (Khaleej Times)

### Ministry of Climate Change and Environment signs Memorandum of Understanding with Masdar and Bee'ah



UNITED ARAB EMIRATES  
MINISTRY OF CLIMATE CHANGE  
& ENVIRONMENT

The Ministry of Climate Change and Environment (MOCCA) has signed a Memorandum of Understanding (MoU) with Abu Dhabi Future Energy

Company-Masdar and Bee'ah aimed to developing an integrated study on , to implement a waste-to-energy conversion facility to serve the emirates of Ras Al Khaimah and Fujairah.

Followed up by the UAE President's Initiatives Committee, the another important step in the country's journey towards achieving sustainability in line with the vision of the UAE's wise leadership.

His Excellency Engineer Saif Mohammed Al Shara, Assistant Undersecretary for the External Audit Sector at MOCCA, Mr. Mohamed Jameel Al Ramahi, Chief Executive Officer of Masdar, Abu Future Energy Company; and His Excellency Khaled Al Huraimel, Group Chief Executive Officer of Bee'ah, signed the MoU in the presence of His Excellency Dr Thani bin Ahmed Al Zeyoudi, Minister of Climate Change and Environment.

His Excellency Engineer Saif Al Shara said: "The signing of this MoU comes as result of the keenness of the Ministry to strengthen the existing strategic partnership with the concerned authorities in order to deal with the increasing developmental challenges and their management in a sustainable way. It also aims to achieve the National Agenda targets under UAE Vision 2021." He pointed out that the development of an integrated study for the implementation of Ras Al Khaimah's waste-to-energy conversion facility will serve the emirates of Ras Al Khaimah and Fujairah and provide an integrated, sustainable and ecofriendly solution for the disposal of municipal solid waste in the UAE.

"Working in partnership with both the Ministry of Climate Change and Environment and Bee'ah will further advance the application of commercial waste-to-energy technologies in the UAE, while promoting the UAE's goal of diverting 75% of its municipal solid waste away from landfill by 2021," said Mohamed Jameel Al Ramahi.

Launched in May first dedicated waste-to-energy company, Emirates Waste to Energy Company, through our joint venture with Bee'ah, which will build a facility in Sharjah capable of diverting as much as 300,000 tonnes of solid waste away from landfill each year on completion. The rapid ongoing development of the Northern Emirates is creating demand for high-tech environmental management solutions, which we hope to provide as a result of this important collaboration with the ministry and Bee'ah."

Under the terms of the agreement, the Ministry will provide sole rights to Masdar and Bee'ah to implement and accomplish the required services for the preparation of an integrated study to develop and execute a multi-fuel commercial and traditional facility to convert waste into energy in the emirate of Ras Al Khaimah. A steering committee will be formed to discuss and take decisions with regard to the project study.

## India plants 66 million trees in 12 hours as part of record-breaking environmental campaign

Volunteers in India planted more than 66 million trees in just 12 hours in a record-breaking environmental drive.

About 1.5 million people were involved in the huge plantation campaign, in which saplings were placed along the Narmada river in the state of Madhya Pradesh.

India committed under the Paris Agreement to increasing its forests by five million hectares before 2030 to combat climate change. Last year volunteers in Uttar Pradesh state set a world record by planting more than 50 million trees in one day.

Observers from Guinness World Records also monitored this plantation. The campaign was organized by the Madhya Pradesh government, with 24 districts of the Narmada river basin

chosen as planting sites to increase the saplings' chances of survival. Volunteers planted more than 20 different species of trees. Shivraj Singh Chouhan, the state's chief minister, described the efforts as a "historic day".

He said volunteers including children and the elderly had planted 66.3 million saplings between 7am and 7pm, adding in a tweet: "By planting trees we are not only serving Madhya Pradesh but the world at large."

India is the world's third largest generator of carbon emissions. Prime Minister Narendra Modi last month reaffirmed his country's commitment to the Paris climate change accord after the US withdrew from the deal.

"The protection of the environment and the mother planet is an article of faith," he said at a joint press conference with French President Emmanuel Macron.



## Chilean scientists produce biodiesel from microalgae

Biodiesel made from microalgae could power buses and trucks and reduce greenhouse gas emissions by as much as 80 percent, Chilean scientists said, possibly curbing pollution in contaminated cities like Santiago.

Experts from the department of Chemical Engineering and Bioprocesses at Chile's Catholic University said they had grown enough algae to fragment it and extract the oil which, after removing moisture and debris, can be converted into biofuel.

"What is new about our process is the intent to produce this fuel from microalgae, which are microorganisms," researcher Carlos Saez told Reuters. Most of the world's biodiesel, which reduces dependence on petroleum, is derived from soybean oil.

It can also be made from animal fat, canola or palm oil. The main challenge going forward would be to produce a sufficient volume of microalgae. A wide variety of fresh and salt water algae are found in Chile, a South American nation with a long Pacific coast. The scientists are trying to improve algae growing technology to ramp up production at a low cost using limited energy, Saez said.



## Self-fueling boat sets off from Paris on 6-year world trip

A boat that fuels itself is setting off around the world from Paris on a six-year journey that its designers hope will serve as a model for emissions-free energy networks of the future. Energy Observer will use its solar panels, wind turbines and a hydrogen fuel cell system to power its trip. The 5 million-euro (\$5.25 million) boat heads off from Paris toward the Atlantic. The futuristic-looking 30.5-meter (100-foot) boat will rely on sun or wind during the day and tap into its hydrogen reservoirs at night. It produces its own hydrogen through electrolysis of sea water. Originally designed in 1983, the boat enjoyed a successful career in open-sea sailing races before skippers Frederic Dahirol and Victorien Erussard and a French research institute converted it into the Energy Observer project.



## Steps Towards an Environmentally Friendly Summer

- ❖ Make sure to keep enough space at least 10 cm, throughout the refrigerator so that the air can be distributed easily, which helps to reduce power consumption.
- ❖ Place the refrigerator in the coldest place in the kitchen, away from direct sunlight and away from heat sources to reduce energy consumption.
- ❖ Be sure to close the refrigerator door tightly from all sides.
- ❖ Buying a large refrigerator rather than a refrigerator unit is two more energy efficient.
- ❖ Avoid placing hot food in the refrigerator to reduce power consumption.
- ❖ Do not leave the refrigerator door open for too long.



- ❖ Air conditioning maintenance can be regularly reduced and filters cleaned monthly for power consumption.
- ❖ Adjust the air conditioner to a temperature of 24 ° C.
- ❖ Make sure your home has adequate insulation. This will help keep the cool air inside and the hot air out



- ❖ Avoid watering plants in the middle of the day when a large part of the water evaporates before the plants can benefit.
- ❖ The best time to water the plant is in the early morning.
- ❖ The use of a timer for irrigation water can save large amount of water.
- ❖ Installing an efficient irrigation system can efficiently save hundreds of liters of water per day.
- ❖ Drip irrigation systems are most efficient for plants and shrubs.
- ❖ Most plants in the winter need half or one third of the amount of water needed in the summer.
- ❖ If you have a irrigation system, check for leaks and other problems at least twice a year.



- ❖ To ensure the coolness of your room, curtains should be lowered during the day when the sun is at its maximum heat , Where it can pass through glass windows to heat everything inside.



### *Together “protect turtles”*

*Due to the proximity of the net fishing season, the incidence of turtles entering fishing nets, and so request to fishermen, apply sustainable practices to protect the biodiversity resources of our marine environment by returning the suspended turtles to their natural habitat.*

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