



Al Masdar

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HH Sheikh Mohammed bin Rashid Al Maktoum

Vice President and Prime Minister of the UAE and Ruler of Dubai

Message from MD & CEO of DEWA



HE Saeed Mohammed Al Tayer
MD & CEO of DEWA

DEWA is committed to protecting natural resources and shaping the future of energy in the region, to achieve sustainable development and promote the welfare of Dubai's citizens, residents, and visitors. We do this to ensure a sustainable future, for generations to come. This supports the Dubai Clean Energy Strategy 2050, launched by HH Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE, and Ruler of Dubai, to transform Dubai into a global hub for clean energy and green economy. In DEWA, we invest heavily in developing people capable of spearheading Research and Development (R&D) in clean and renewable energy, to preserve natural resources and protect the environment. This is evident through the Mohammed bin Rashid Al Maktoum Solar Park. The park includes a number of clean energy R&D laboratories, and also oversees research and development projects with a total investment of AED 500 million. In cooperation with the Dubai Supreme Council of Energy and the United States Department of Energy (DOE), DEWA will organise the Solar Decathlon for the first time in the Middle East in 2018, and again in 2020 to coincide with Dubai Expo 2020, built around the theme 'Connecting Minds, Creating the Future.' By organising this competition, we aim to spread knowledge and raise awareness of the benefits and opportunities that clean and renewable energy technologies offer. We also encourage using materials that reduce the environmental impact of buildings, inform the public about the importance of renewable energy, energy efficiency, and the technologies that help them optimise their energy use. The Decathlon will provide practical models for solar-run houses that can be comfortable, attractive, and affordable. The Decathlon will be a unique opportunity for university students to gain important experience, implement the theories they learn, and demonstrate their skills and capabilities in innovation, design, and achieve a sustainable lifestyle that ensures continuity of these projects. DEWA integrates the concept of happiness within all its customer relations, adhering to the vision of HH Sheikh Mohammed bin Rashid Al Maktoum that all government policies, programmes, and services should contribute towards building a positive, happy community. HH Sheikh Mohammed bin Rashid Al Maktoum states that the government's mission is to create conditions conducive to the happiness of individual's families, employees, to promote positivity. This is why DEWA has changed the name of its Customer Relations division to the Customer Happiness division. The names of DEWA's Customer Service Centres have been changed to Happiness Centres, managers and directors of customer services have become Happiness Ambassadors, and the front desk Stars of Service employees have now become Stars of Happiness. DEWA was the first government organisation to implement the Happiness Meter, and adopted the use of smart devices to measure the public's level of satisfaction with its services. DEWA has also installed smart screens to enable management to monitor the happiness of customers and adopt immediate improvement procedures. This system was later adopted by all of DEWA's customer service centres. The preliminary results of the Happiness Meter have been excellent, supporting DEWA's vision and the ambitions of its management and staff. The Happiness Meter exceeded 98% in the first few days of its launch. According to the final results issued by Dubai Smart Government, DEWA's Happiness Meter registered a result of 98% for February 2016. DEWA is committed to provide a positive and inspiring work environment to improve individual and corporate efficiency through creating an environment that encourages innovation and corporate excellence. We introduced the Happiness Majlis at its head office, and is the first government organisation to launch such an initiative. The Majlis aims to contribute to creating an effective work environment and supporting the happiness of employees by offering a selection of services such as electronic meeting room booking, and various other activities to help employees overcome any challenges that may hinder their performance. The Majlis was constructed via the use of the most up-to-date tools and equipment, and incorporates furniture that reflects a healthy, flexible, and optimistic work environment, unlike a standard looking office. We care for people with disabilities has been made evident through various active initiatives and programmes. DEWA was the strategic sponsor of the AccessAbilities Expo, and works to develop positive ways of supporting anyone with a disability, as a community, and to improve the services we offer them, while adhering to a strategy that fully conforms and complies with the highest international standards. This reflects our commitment to Corporate Social Responsibility (CSR), and our efforts to further integrate those with disabilities into society, while finding new solutions to overcome the daily challenges they face and further involve them in our community efforts as individuals who are able to innovate and create. DEWA cooperates with different government bodies in the UAE to develop the innovative abilities of its workforce, to increase its competitiveness between private and government sectors, achieving the National Innovation Strategy, and enhancing DEWA's position as an international role model, in support of achieving its vision to become a sustainable innovative world-class utility. DEWA exerts all efforts to provide Dubai's citizens and residents with the best services by cooperating with the most efficient international organisations, to ensure a brighter future for everyone.



Our Vision

A sustainable innovative world-class utility.

Our Mission

We are committed to the happiness of our stakeholders and promoting Dubai's vision through the delivery of sustainable electricity and water services at a world-class level of reliability, efficiency and safety in an environment that nurtures innovation with a competent workforce and effective partnerships; supporting resources sustainability.

Our Values

Stakeholders Happiness, Sustainability, Innovation, Excellence, and Good Governance.

Our Motto

For Generations to Come.



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مؤسسة محمد بن راشد للإسكان
Mohammed Bin Rashid Housing Est.



- 160,000 LED light bulbs and solar panels to Mohammed Bin Rashid Housing Establishment housing projects
- Lecture on Positive Energy
- Dubai achieves world record for lowest water loss rate of 8.2%
- DEWA launches Smart Power Plant
- Projects to lay 132KV cables
- Launching Strategy Week



- Second RetrofitTech Conference
- Review of corporate governance system
- First government organisation to offer SROI training courses to employees
- Developing Dubai Green Free Zone strategy and plan
- DEWA honours 39 outstanding students in its scholarship programme

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During its participation in WFES 2016

DEWA has surpassed renewable energy targets it announced last year



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■ DEWA's Sustainability Culture Indicator rises to 85% in 2015

DEWA receives:

- ISO 55001: 2014 Certificate
- ISO 10002:2014 Certificate
- Best m-Government Award in environment category
- Four awards at Ideas.America 2015
- Three awards at Smart Cities Summit and Awards 2016 during World CSR Day

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Supreme Council of Energy

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Al Saada, the region's first innovative sustainable smart sports park



DEWA's participation in World Government Summit:

Successful Participation and Constructive Partnerships



The World Government Summit, held in Dubai from the 8th to the 10th of February 2016, has witnessed rapid development. The summit, which was held under the patronage of HH Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, under the theme 'Shaping Future Governments,' has transitioned from an international event into an international organisation—further enhancing its role in answering tomorrow's questions. This year's summit facilitated discussions focused on sustainable energy, reflecting the UAE's commitment to the field. The UAE, under the leadership of HH Sheikh Khalifa bin Zayed Al Nahyan, President of the UAE, and HH Sheikh Mohammed bin Rashid Al Maktoum, takes priority in diversifying the energy mix. The UAE's vision recognises that renewable energy is a key contributor towards finding a balance between development and preserving the environment, to ensure a clean, healthy, and safe environment for generations to come.

DEWA participated as the Sustainable Energy Partner of the summit, supporting its vision to become a sustainable innovative world-class utility. During the summit, DEWA highlighted its key projects and strategies that are currently contributing to the UAE's transformation towards dependence on renewable energy. The summit also created a platform for DEWA to exchange knowledge and experiences with experts from all over the world and share its practices with the international community, supporting the vision of HH Sheikh Mohammed bin Rashid Al Maktoum who has observed that Dubai's experience is, "available for whoever wants to study it and take advantage of it. Our goal is to achieve welfare for all people."

DEWA also highlighted the Dubai Clean Energy Strategy 2050, launched by His Highness Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, to provide 7% of Dubai's energy from clean sources by 2020, 25% by 2030 and 75% by 2050, in addition to reviewing its efforts to achieve the vision of HH Sheikh Mohammed bin Rashid Al Maktoum to transform Dubai into a global hub for clean energy and green economy, as the city with the lowest carbon footprint in the world.

During the summit, DEWA shared their experience in increasing the use of renewable energy. This includes the Mohammed bin Rashid Al Maktoum Solar Park, which is the largest single-site solar energy project in the world, based on the independent power producer model. The solar park will produce 1,000 megawatts (MW) by 2020 and 5,000MW by 2030 with a total investment of AED 50 billion. It will help achieve a reduction of approximately 6.5 million tonnes of carbon emissions annually, which supports Dubai Government's green initiatives and programmes.

Integrated Vision for the Energy Sector

DEWA has an integrated vision for energy that focuses on energy security by diversifying the energy mix, the latest technologies, energy storage, CO2 capturing, and increasing efficiency in the production, transmission, and distribution of electricity and water.

DEWA has also integrated the use of smart grids that include demand-side management, asset management, distribution automation, substation automation, system integration, and smart meters, with a total investment of AED 7 billion. DEWA's efforts in energy efficiency have contributed to achieving several milestones globally, surpassing major European and American companies in different areas. Losses in power transmission and distribution networks are 3.3%, compared to 6-7% in Europe and the USA. Water network losses are 8.2%, compared to 15% in North America. Customer minutes lost per year reached 3.87 minutes, compared to 15 minutes recorded by leading utilities in the European Union.

The Dubai Integrated Energy Strategy 2030 focuses on energy security by diversifying the energy mix, and reducing energy and water use by 30% by 2020. DEWA invests in 9 programmes as part of the demand-side management strategy. These include green building regulations, retrofitting existing buildings, district cooling, wastewater reuse, laws and standards to raise efficiency, energy-efficient street-lighting, and Shams Dubai, which encourages building owners to install photovoltaic panels to generate electricity.

HE Saeed Mohammed Al Tayer, MD & CEO of DEWA, noted that Dubai's Carbon Abatement Strategy will reduce carbon emissions by 16% by 2020. DEWA contributes over 50% of this target. These targets will be reviewed in light of the Dubai Clean Energy

Cover story

Strategy 2050. DEWA established the Etihad Energy Service Company (Super ESCO) to encourage energy service companies in the market and to promote energy efficiency business. Over 30,000 existing buildings in Dubai will be retrofitted by 2030. In addition to the Mohammed bin Rashid Al Maktoum Solar Park, DEWA also discussed the Shams Dubai initiative, which encourages building owners to install photovoltaic panels on rooftops to generate solar power. Dubai aims to install solar panels on the roofs of all buildings in Dubai by 2030.

Agreements and Constructive Meetings

DEWA's participation in this year's World Government Summit proved fruitful, with key meetings and agreement signings. Al Tayer met Greg Hunt MP, Australian Minister for the Environment and Acting Minister for Cities and the Built Environment, who received Best Minister in the World Award at the summit. The meeting discussed bilateral relations and mutual cooperation and exchanging of best practices and experiences in areas related to protecting the environment and promoting sustainability. Al Tayer shared Dubai's experience in protecting the environment, which supports the Dubai Plan 2021 to make

the Emirate sustainable with its resources, whose environmental resources are clean, healthy, and sustainable.

DEWA signed a Memorandum of Understanding (MoU) with Microsoft to promote cooperation in exchanging knowledge and expertise, development of solutions and applications, and enhancing innovation. This is part of DEWA's efforts to use state-of-the-art technologies in all its operations to achieve the Smart Dubai initiative, launched by HH Sheikh Mohammed bin Rashid Al Maktoum, to transform the Emirate into the smartest city in the world. It also contributes to achieving DEWA's vision to become a sustainable innovative world-class utility.

Al Tayer and Joe Kaeser, President and CEO of Siemens AG participated in a plenary session titled 'How Clean Tech is shaping the Future of Energy' moderated by John Deferios, CNN's Emerging Markets Editor. Al Tayer noted that DEWA adopts a holistic approach for energy that focuses on energy security by diversifying its resources, using the latest technologies in energy storage, and increasing efficiency in the production, transmission, and distribution of electricity and water.

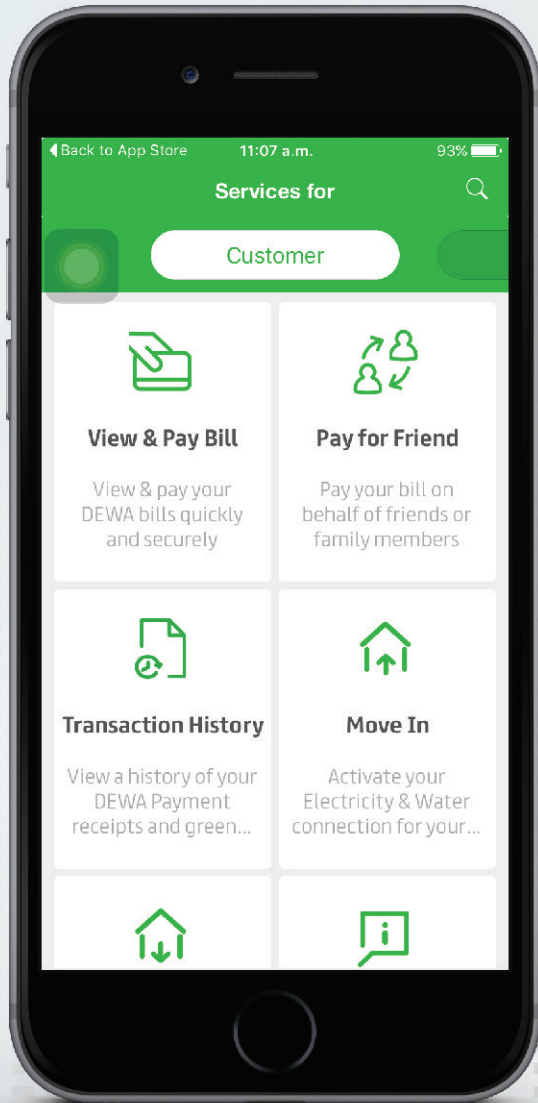
DEWA builds the smart grid in its broad and

integrated sense, which covers generation, transmission and distribution systems. The smart grid will include demand side management, asset management, automation, transfer stations, automation of distribution networks and the integration of systems and smart meters. This has contributed to DEWA achieving better results in energy efficiency than its counterparts in Europe and the UAE.

Al Tayer also met with the President and CEO of Siemens, to discuss cooperation between DEWA and the Group, especially in energy technologies and production solutions, training, and capacity building. Kaeser noted that Siemens and DEWA have been closely cooperating for many years in different areas, to create a sustainable energy ecosystem to drive innovation in line with Dubai's vision.

Al Tayer also met with a high-level delegation from Électricité de France SA (EDF, Electricity of France) headed by Antoine Cahuzac, CEO of EDF EN. The two sides discussed developing cooperation and strategic partnerships, especially in Research & Development (R&D). The parties agreed on programmes to exchange expertise and to train DEWA staff in EDF's R&D centres.





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Events



During its participation in WFES 2016

DEWA has surpassed the renewable energy targets it announced last year

HE Saeed Mohammed Al Tayer, MD & CEO of Dubai Electricity and Water Authority (DEWA), has attended the opening of the World Future Energy Summit (WFES), which is organised under the patronage of HH Sheikh Mohammed bin Zayed Al Nahyan, Crown Prince of Abu Dhabi and Deputy Supreme Commander of the UAE Armed Forces. DEWA was the Efficiency Sponsor of the summit, which was held from 18-21 January 2016.

DEWA showcased its initiatives and projects in its stand in Hall 6, number 5120 at the Abu Dhabi National Exhibition Centre (ADNEC). DEWA's stand featured the Dubai Supreme Council of Energy and a number of organisations and companies under DEWA and the council, including Etihad ESCO, Mai Dubai, Empower, the Dubai Carbon Centre of Excellence, and the UAE Water Aid Foundation. The stand also features a number of DEWA's smart initiatives including Shams Dubai, and Green Charger.

By its participation, DEWA confirms its commitment towards increasing the

percentage of renewable energy sources in Dubai's energy mix.

Al Tayer noted that DEWA has surpassed the targets it announced last year to increase the percentage of renewable energy in Dubai's energy mix.

In November 2015, HH Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai announced the Dubai Clean Energy Strategy 2050, to provide 7% of Dubai's energy from clean sources by 2020, 25% by 2030 and 75% by 2050. Dubai is the only city in the Middle East and North Africa (MENA) to launch such a strategy, with specific targets and deadlines that outlines the future of energy in Dubai until 2050.

"2015 witnessed significant developments in increasing dependence on renewable energy in Dubai and the UAE as a whole thanks to the wise vision of HH Sheikh Khalifa bin Zayed Al Nahyan, President of the UAE, and HH Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the

UAE and Ruler of Dubai, who have realised the important role of renewable energy in achieving a balance between development and the environment to ensure the right of future generations to live in a clean, healthy, and safe environment. The wise leadership realises that investment in clean energy sources has positive effects on the long run. Today we have many projects in the UAE." said Al Tayer.

Al Tayer pointed that energy is an integral part of the social and economic development of all countries and that the transformation towards clean energy has positive environmental, social, and economic effects.

He highlighted the importance of the Mohammed bin Rashid Al Maktoum Solar Park, which is the largest single-site solar project in the world. It will produce 1,000MW by 2020 and 5,000MW by 2030, with total investment of AED 50 billion. It will reduce over 6.5 million tonnes of carbon emissions annually. DEWA set a world record



by obtaining the lowest price globally, at USD 5.6 cents per kilowatt hour (kWh) for the second phase, which will be operational in April 2017 using the Independent Power Produce (IPP) model. DEWA recently announced the 800MW third phase, which will be completed in 3 phases by 2020. Over 20 bidders were pre-qualified for this project, which shows the huge interest by the private sector to take part in these projects, which benefit all parties.

DEWA Innovation Centre features a group of research and development centres that specialise in clean energy technologies, drones research, 3D-printing technology, and solar energy based desalination, with a total investment of AED 500 million.

The Dubai Green Fund is worth AED 100 billion, and will contribute through its financial resources easy loans for investors in the clean energy sector. DEWA will ensure the demand management and economic value of the projects.

The Dubai Green Zone will attract research and development centres and emerging

companies in clean energy. DEWA also invests in 9 programmes as part of the Demand Side Management strategy. These include green building regulations, retrofitting existing buildings, district cooling, wastewater reuse, laws and standards to raise efficiency, energy-efficient street-lighting, and the Shams Dubai initiative to regulate the generation of solar energy in buildings. This provides new job opportunities for different energy service companies, and other businesses interested in sustainability and efficiency.

The carbon abatement strategy aims to reduce carbon emissions by 16% by 2020. DEWA contributes over 50% of this target. These targets will be reviewed in the light of the newly-declared Dubai Clean Energy Strategy 2050.

Al Tayer noted that DEWA launches awareness programmes and innovative initiatives to encourage society to adopt positive behaviour in their daily lives that contribute to reducing electricity and water use. It managed to save 1,344 GWh of

electricity and 5.6 billion imperial gallons of water. This is equivalent to AED 841 million, and over 715,000 tonnes of carbon dioxide emissions.

DEWA's efforts in energy efficiency have contributed to achieving several milestones globally, surpassing major European and American companies in different areas. For example, losses in power transmission and distribution networks was reduced to 3.3%, compared to 6-7% in Europe and the USA. Water network losses decreased to 8.2%, compared to 15% in North America.

DEWA's results are among the best internationally for customer minutes lost per year. DEWA's figures reached 3.87 minutes, compared to 15 minutes recorded by leading utilities in the European Union.

The UAE, represented by DEWA, has been ranked first in the Middle East and North Africa and fourth globally for the third consecutive year for getting electricity as per the World Bank's Doing Business 2016 report.





Innovative achievements in sustainability at

Global Women's Forum Dubai

DEWA has concluded its participation as the main partner in the Global Woman's Forum Dubai, organised by Dubai Women Establishment (DWE) and the Women's Forum for the Economy & Society. The Forum was held for the first time in the region, under the patronage of HH Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, and was led by HH Sheikha Manal bint Mohammed bin Rashid Al Maktoum, President of the UAE Gender Balance Council, President of Dubai Women Establishment, and wife of HH Sheikh Mansour bin Zayed Al Nahyan, Deputy Prime Minister and Minister for Presidential Affairs, highlighting the UAE's achievements and commitment to empowering women.

"During the forum, we showed our achievements in innovation and sustainable energy, in addition to the vital role Emirati woman play in the clean energy sector today. DEWA also presented its best international practices and experiences in enabling the community and the country's women, via the Sustainable Energy platform. I assure you that our ongoing achievements shall not cease, we will continue to place our women at the forefront of the international community, becoming role models, and showing the

positive image of the UAE's women, in support of the wise vision that recognises the significance of renewable energy in achieving a balance between development and sustainability. This balance will help preserve the rights of future generations to live in a clean, healthy, and safe environment," said HE Saeed Mohammed Al Tayer, MD&CEO of DEWA.

"I would like to note that DEWA has employed 1,700 female staff working in all its operations, 559 of whom work in engineering and other technical positions. 77% of DEWA's female workforce comprise Emirati Nationals who enjoy a secure, stable environment, which allows them to grow their skillset and abilities and contribute to the National Innovation Strategy," added Al Tayer.

Khawla Al Mehairi, Vice President of Marketing & Corporate Communications at DEWA, Chairperson of DEWA's Women's Committee, and Board Member of Dubai Women Establishment, participated in a panel discussion entitled Gender Matters for Energy. Laure Alazet, New Business Incubator for South Asia, Middle East & Africa at ENGIE and Board Member of the Clean Energy Business Council, shared the panel with Al Mehairi. The session was moderated by Rym Ghazal from The National newspaper and attended by many participants.

During the forum, Al Mehairi highlighted the role of women as key partners in sustainable development, the important role they play in energy, conservation, and protecting natural resources. She added that the successes of sustainable development programmes are closely linked to the active participation of women. She also stressed that the role of women must not be ignored when energy-related policies and programmes are developed, noting that it's important to raise women's awareness as they play a key role in the rationalisation of energy use at home and in society as a whole. Women can be change agents who encourage the shift towards using sustainable energy.

"Industries are undergoing profound shifts in their business models because of developments in technology. As a result, labour markets are rapidly-changing and gender gaps are increasing in some industries, as jobs traditionally held by women become obsolete and opportunities are emerging in new markets. It's important to realise these changes and be ready to take advantage of the opportunities and face the challenges presented by these developments," said Al Mehairi.

"DEWA's sponsorship of the Global Women's



"Al Saada "initiative will provide a range of exercise equipment that generates renewable energy.

Forum in Dubai, whose theme is 'Let's Innovate,' supports DEWA's Corporate Social Responsibility, and its strategy to take care of women as key partners in the development process. The Forum's agenda and its five pillars align with DEWA's efforts to promote the participation of women in emerging markets, and empower women in the workplace. Since its establishment, DEWA's Women's Committee has worked to provide a positive and stimulating work environment that supports female staff and helps them achieve a balance between their personal and professional lives," she added.

Al Mehairi said that the UAE is the first Arab country to make it mandatory for public and private organisations to include women on their boards of directors. It is also the first Arab nation to establish a Gender Balance Council, to increase the presence of women in leading positions and enhance corporate efficiency. Amal Koshak, Senior Manager of the Marketing Communications department at DEWA, led a session on Smart Homes for Generations to Come.

DEWA's strategy strongly supports the vision of Dubai Government by promoting sustainable development by driving energy and water-use efficiency and investing in alternative energy sources. Brian Hull, the Managing Director for ABB in Oman and Bahrain session also took part in the session.

"DEWA is in the process of establishing smart

electricity and water grids that will be a vital foundation towards our transition into smart homes as per the directives and vision of HH Sheikh Mohammed bin Rashid Al Maktoum, Vice-President and Prime Minister of the UAE and Ruler of Dubai, to make Dubai the smartest and happiest city in the World. DEWA is currently implementing three smart initiatives: the Shams Dubai Initiative, the Green Charger Initiative, and the Smart Applications through Smart Meters and Grids Initiative, to support the Smart City initiative, launched by His Highness Sheikh Mohammed bin Rashid Al Maktoum," said Koshak.

"Smart homes have many benefits, and allow users remote access to things such as cooling systems, and pave the way for efficiency, sustainability, and environmental consciousness, made possible by modern applications that promote rational usage. These smart homes meet security standards, and are equipped with advanced systems that employ the use of cameras, motion sensors, and are directly linked to local police stations, as well as Civil Defence," said Koshak.

DEWA exhibited the Al Saada (Arabic for 'happiness') initiative at the forum's Discovery exhibition, which was viewed by many delegations and important delegates. DEWA launched Al Saada to develop a smart innovative platform, the first of its kind in the region. It focuses on turning people's

kinetic and mechanical energy from exercise into electricity. This is achieved by specially-designed innovative recreational equipment that anyone can use, including people with special needs and children of six years and older. The move underlines DEWA's CSR efforts, which support social development efforts to make society happier, enhance people's happiness and contribute to greater welfare. DEWA has worked alongside various government partners including Dubai Women Establishment, Dubai Municipality, and Dubai Sports Council to manufacture an entertainment platform that includes innovative equipment and sustainable materials to store kinetic energy produced by exercising to power other recreational devices and equipment. The stored energy can be used in special units within the platform for charging phones and smart devices, lighting, cooling water, or other personal devices. The platform will also have games for children that run on the energy produced by the physical activity of accompanying parents or guardians using recreational equipment, or energy that is produced by the actual games when being played. In addition to other solar devices for daily personal use in a simple and innovative way to enhance the concept of renewable energy.

Ambitious plans to enhance sustainable development through

Mohammed bin Rashid Al Maktoum Global Water Award



The vision of HH Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE, and ruler of Dubai, has always acted as a road map for the people of the UAE, and the international community to follow. The UAE has become a leader in finding innovative solutions to various challenges. HH Sheikh Mohammed bin Rashid Al Maktoum said once said "The development of human capital is the global currency of the 21st century economies, and the only way to achieve sustainable development and promote the UAE's journey towards further progress and prosperity." The UAE strives to become a role model for transforming its economy from dependence on natural resources to dependence on the skills and abilities of its people, ensuring a brighter future.

His Highness has launched several initiatives to achieve sustainable development, in addition to a number of awards for the sustainability of resources. These include the Mohammed bin Rashid Al Maktoum Global Water Award. The award aims to find sustainable solutions to help address international water shortages through the use of solar energy for desalination and purification processes, the award is worth USD 1 million.

The UAE Water Aid Foundation provides the award, which falls under the umbrella of the Mohammed bin Rashid Al Maktoum Global Initiatives, one of the largest development and community foundations in the region. It consolidates the work of 28 organisations and targets over 130 million people over the coming years. The primary goals of the Mohammed bin Rashid Al Maktoum Global Initiatives include four main sectors: Fighting Poverty, Dissemination of Knowledge, Community Empowerment, and Innovation for the Future.

HE Saeed Mohammed Al Tayer, Chairman of the Board of Trustees of the UAE Water Aid Foundation, noted that HH Sheikh Mohammed bin Rashid Al Maktoum's launch of the award reaffirms the government's commitment to promoting the UAE's international position, and participating in initiatives and humanitarian aid. The award also exemplifies the commitment of His Highness to finding sustainable solutions through the use of solar energy for desalination and purification processes, and exploring ways to tackle challenges faced by some of the poorest communities in the world.

[The UAE Water Aid Foundation \(Suqia\)](#)

HH Sheikh Mohammed bin Rashid Al Maktoum's launch of UAE Water Aid Foundation underlines the commitment of the UAE leadership to support international humanitarian efforts. The late Sheikh Zayed bin Sultan Al Nahyan was a figure of benevolence to the world, as are his sons,

who are always keen to tend to the needs of the less fortunate. In the short time since its launch, the UAE Water Aid Foundation has become one of the most distinguished organisations for providing aid to the needy and distressed around the world. It has contributed to the UAE's ever-growing global reputation for philanthropy, in addition to supporting sustainable development. The enthusiasm of the people, government, and private organisations in the UAE to contribute in the Foundation's initiatives and extend helping hands for all, reflects the key role of the UAE in humanitarian areas. The UAE will always be a hub for doing good deeds and the hearts of its people will always be open to extend their helping hands for everyone.

Suqia aims to provide drinking water to disadvantaged people around the world, improving their living conditions by developing permanent solutions to water scarcity using modern technologies, financing and supporting water technologies



Signing MOU with the Mohammed bin Rashid Al Maktoum Charity & Humanitarian Establishment.

projects, and combating drought as well as developing sustainable solutions to water purification and desalination using solar energy. In cooperation with DEWA, the Suqia Initiative's research & development projects include reverse osmosis of sea water and a photovoltaic desalination plant, in addition to water purification via solar technology at 50 cubic meters per day, located at the Mohammed bin Rashid Al Maktoum Solar Park. The Mohammed bin Rashid Al Maktoum Charity and Humanitarian Establishment and the UAE Water Aid Foundation have signed a Memorandum of Understanding (MoU) to effectively enhance their strategic partnership. The MoU enhances cooperation between the two sides in helping developing and needy countries, and facilitating collaboration to implement joint humanitarian initiatives and projects that serve the strategies and objectives of both organisations.

This enhances their social roles within an established framework and set methodologies. The MoU also helps both organisations effectively utilise their potential and existing resources to address



HE Saeed Mohammed Al Tayar.

water scarcity and pollution issues.

After the MoU was signed, both sides have worked together to provide drinking water to people in Somalia, Tajikistan, Afghanistan, Ghana, Yemen, and Benin for the benefit of 60,000 persons, through 10 different projects. Suqia also provided relief assistance to Yemen in cooperation with the Ministry of Development and International Cooperation. There were 1,087,500 beneficiaries, according to the Ministry.

In the UAE, a number of campaigns were launched to distribute water to Ramadan tents and mosques in collaboration with nine local associations and charities in the UAE. Over 100,000 people benefited from this distribution campaign during the holy month of Ramadan.

Award Categories

The prize consists of six categories, these include 'Innovative Projects for Companies,' 'Small Projects and Large Projects,' 'Innovative Studies,' 'National Institutions and International Institutions,' and 'Research and Young Innovators.' The Innovative Projects for Companies prize is awarded to companies that rationalise water use with solar energy. Applicants of the award must be able to show clear evidence of measurable results pertaining to the desalination and purification of seawater and a decrease in wastage.

For Small & Medium Companies, applicant must be a profit-generating company with annual revenue below USD 10 million.

For Large Companies, applicant must be a profit-generating company with annual revenue above USD 10 million.

Applicants for the Innovative Research and Development category must submit innovative technologies or prototypes for using solar energy to produce, desalinate, purify, or effectively manage water resources. For National Institutions, application must be submitted by UAE nationals or on behalf of UAE national educational or non-profit institutions in the UAE.

For International Institutions, application must be submitted on behalf of non-UAE national educational or non-profit institutions. Applicants for the Innovative Youth Award must present innovative technological solutions to address water scarcity using solar energy to produce safe drinking water.

Suqia starts accepting applications for Mohammed bin Rashid Al Maktoum Global Water Award

UAE Water Aid has announced that the Foundation is now accepting applications for the Mohammed bin Rashid Al Maktoum Global Water Award. The announcement was made to coincide with World Water Day,

which takes place annually on 22 March.

Al Tayar noted that receiving applications for the Mohammed bin Rashid Al Maktoum Global Water Award to coincide with World Water Day, emphasises Suqia's commitment to adhering to the Directives of HH Sheikh Mohammed bin Rashid Al Maktoum, to support international efforts to explore sustainable solutions to water scarcity. The Mohammed bin Rashid Al Maktoum Global Water Award was promoted at international events such as COP21 in Paris, the Solar Decathlon in California, the USA, and at the Carbon Ambassador Programme, in Dubai. Suqia also organised a host of activities and meetings, to coincide with the 70th Session of the UN General Assembly in the USA.

"The National Innovation Strategy, launched by His Highness Sheikh Mohammed bin Rashid Al Maktoum to make the UAE one of the most innovative nations in the world, focuses on seven national sectors to stimulate innovation. These include encouraging innovative solutions to challenge water scarcity. The Award will help to achieve this objective by driving the search for sustainable solutions to address water scarcity around the world," said Mohammed Abdul Kareem Al Shamsi, Acting Executive Director of the UAE Water Aid Foundation.

Suqia launches design competition for the Award logo

The UAE launched a competition to design the logo of the Mohammed bin Rashid Al Maktoum Global Water Award.

Current universities taking part include the American University of the UAE, Zayed University, the American University of Sharjah, the American University of Dubai, the University of Sharjah, United Arab Emirates University and the Khalifa University of Science, Technology, and Research. Designs should focus on Research and Development, and innovation in water scarcity or solar sustainable solutions to combat global water scarcity.



Distributing water bottles during Ramadan.

DEWA to install 160,000 LED light bulbs and solar panels to Mohammed Bin Rashid Housing Establishment housing projects

مؤسسة محمد بن راشد للإسكان
Mohammed Bin Rashid Housing Est.



DEWA will supply 2,000 existing and new homes from the Mohammed Bin Rashid Housing Establishment (MBRHE) project with 160,000 LED light bulbs and photovoltaic panels.

The move aims to reduce the demand for energy as well as the long- and medium-term costs for electricity.

The plan follows the signing of a MoU between DEWA and MBRHE in 2015.

This partnership is another step towards achieving the Dubai Integrated Energy Strategy 2030 to reduce energy demand by 30% by 2030, and the Carbon Abatement Strategy to reduce carbon emissions by 16% by 2021," said HE Saeed Mohammed Al Tayer, MD & CEO of DEWA.

"Installing LED light bulbs in 2,000 homes

will greatly-reduce energy demand. Though these bulbs are initially more expensive than traditional light bulbs, they will save a large amount of money in the medium- and long-term. We also plan to supply other homes within the Mohammed bin Rashid Housing Establishment housing project with photovoltaic panels, as part of DEWA's Shams Dubai initiative, to encourage building owners to install photovoltaic panels on rooftops to generate solar power," added Al Tayer.

Al Tayer explained that supplying the lights will help increase the uptake of renewable energy as well as the share of electricity, thus limiting the use of natural resources and encouraging sustainability.

Sami Abdullah Gargash, CEO of the MBRHE, commended DEWA's efforts to support sustainable growth in Dubai, as well as efforts to enhance prosperity and wellbeing for citizens, residents, and visitors to the Emirate.

"At the Mohammed Bin Rashid Housing Establishment, we cooperate with different government and private organisations to further develop government cooperation to provide services, and launch high-quality initiatives to achieve the happiness of people."

"Through this partnership with DEWA, we can expect to reduce the amount of negative effects on the environment, and to rationalise the use of energy, electricity, and water in all our projects. This is achieved by adopting smart systems, using electricity rationally, and raising awareness among people about adopting green practices as part of their daily lives," said Gargash.

Dubai achieves world record for lowest water loss rate of 8.2%

Dubai has achieved its lowest ever water-loss rate of 8.2%, thanks to the excellence, availability, efficiency, reliability, and great customer service provided by Dubai Electricity and Water Authority (DEWA), which is working to power the social and economic growth of the Emirate. DEWA's strategy has plans to improve its future operations that include efforts to increase the efficiency and reliability of water networks to meet Dubai's increasing demand.

"We strive to fulfill the vision of His Highness Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai to further develop Dubai's competitive abilities and strengthen its position internationally," said HE Saeed Mohammed Al Tayer, MD & CEO, DEWA.

"DEWA makes use of the latest modern innovative methods for its production, transmission, distribution and control systems for water networks. DEWA has achieved milestones globally, surpassing

major European and American companies by cutting water network losses from 9.1% in 2014 to 8.2% in 2015, compared to 15% in North America. DEWA managed to decrease water network losses from 42% in 1988 to 10.4% in 2013 as a result of it being made a priority by management. We will continue our efforts to replace Dubai's entire water network by replacing old connections with new ones, replacing water meters, and developing new transmission and distribution networks that conform to the highest international standards. Stopping leaks in faulty systems will eliminate water loss by a large percentage and allow us to save a great deal of water," Al Tayer added.

"We have used Supervisory Control and Data Acquisition (SCADA) to survey the water network and identify and remotely-manage potential leaks in the system. DEWA has also adopted modern technology to scan the transmission and distribution networks to prevent cracks from causing leaks in the

system. DEWA is maintaining the efficiency of all its operations, with over 10,000 employees managing the needs of approximately 700,000 electricity and water customers within Dubai alone. DEWA has a current capacity of 9,656 megawatts (MW) of electricity, and desalinates 470 million gallons every day."



DEWA reviews its corporate governance system



DEWA recently conducted a routine review of its corporate governance system to ensure that it is operating efficiently and effectively to achieve its goals. This supports the directives and policies of the government to improve Dubai's position as a global hub for trade, finance and tourism, and develop it into the smartest city in the world. DEWA has been using an advanced governance system since 2008 to ensure transparency and accountability according to world-class standards of governance.

Lecture on Positive Energy



DEWA and Hamdan Bin Mohammed Smart University (HBMSU) have organised a lecture about positive energy. The lecture also reflects DEWA's ongoing efforts to provide a healthy, positive environment for employees, while also enhancing efficiency and excellence in the workplace. Dr. Mansoor Al Awar, Chancellor of HBMSU, gave the lecture.

Strategy Week



HE Saeed Mohammed Al Tayer, MD & CEO of Dubai Electricity and Water Authority, has inaugurated the DEWA Strategy Week, from 3—7 January 2016. Strategy Week took place to promote DEWA's updated corporate values, improve the UAE's competitiveness and Dubai's position as a global hub for green economy and sustainability, and instill a culture of innovation, creativity and excellence within the UAE.

DEWA carries out a project to lay 132KV cables at a cost of AED 152 million



In line with its vision as 'A Sustainable Innovative World-Class Utility', DEWA contributes effectively to social, economic and environmental development march in the Emirate of Dubai by providing uninterrupted supplies of electricity and water to achieve the UAE Vision. In this regard, DEWA has proceeded with a project to supply, lay and commission new 132KV ground cables at a cost of AED 152 million. The project aims to provide the requirements in the lead-up to Expo 2020 as well as providing electricity for various real estate projects.

DEWA honours 39 outstanding students in its scholarship programme



HE Saeed Mohammed Al Tayer, MD & CEO of DEWA has honoured 39 distinguished Emirati students who are part of DEWA's scholarship programme. The move supports DEWA's strategy to promote Emiratisation and develop a UAE National workforce for the energy and water sectors.

First government body to offer SROI training courses to employees



DEWA has organised a training course on Social Return on Investment (SROI) as part of its commitment to training employees and raising their level of awareness about economic and social development. The course was organised in cooperation with the Institute of Leadership Management (ILM), working under the umbrella of Social Value UK, and Social Value International. DEWA is the first organisation in the UAE to organise such a course. The training course took place in February at DEWA's Sustainable Building and was mediated by Jeremy Nicholls, CEO of Social Value UK and Social Value International.

Second RetrofitTech Conference



HE Saeed Mohammed Al Tayer, MD & CEO of Dubai Electricity and Water Authority (DEWA), inaugurated the 2nd RetrofitTech Conference in Dubai. The conference, held on 14-15 March 2016 at Park Hyatt hotel in Dubai, discussed different topics related to technologies and mechanisms to retrofit existing buildings. It also explored the challenges and opportunities in the UAE's retrofit market to achieve greater energy efficiency and sustainability.

In his keynote speech, Al Tayer emphasised the importance of the conference to encourage more energy service companies to take part in this promising market. He noted that this will support the Dubai Integrated Energy Strategy 2030 to reduce energy demand by 30% by 2030, and the Carbon Abatement Strategy to reduce carbon emissions by 16% by 2021.

"Dubai has a clear strategy for sustainable development based on the vision by His Highness Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai," said Al Tayer.

"Last November, His Highness launched the Dubai Clean Energy Strategy 2050 to

provide 7% of Dubai's energy from clean sources by 2020, 25% by 2030 and 75% by 2050," explained Al Tayer.

"This firm commitment and ongoing support by our wise leadership has promoted the importance of environmental issues and their inclusion in all Dubai's development plans," said Al Tayer.

"As a result, the Emirate has made significant advances in addressing energy efficiency, security, rationalisation, and efficiency of energy demand as key elements of its plans for sustainable development."

"The strategy launched by His Highness shapes the energy sector in Dubai over the next three decades and provides a practical solution for addressing the environmental challenges the world is facing," he said.

"This is done by establishing a sustainable model for energy conservation, which supports economic growth, without damaging the environment or its natural resources," added Al Tayer.

"The Dubai Clean Energy Strategy 2050 consists of five main pillars: infrastructure, legislation, funding, building capacities and skills, and having an environmentally-friendly energy mix."

"The infrastructure pillar includes initiatives such as the Mohammad bin Rashid Al Maktoum Solar Park, which Dubai Electricity and Water Authority (DEWA) is managing and building."

"The park is the largest single-site solar park in the world. It will produce 1,000MW by 2020 and 5,000MW by 2030, with a total investment of AED 50 billion."

"The first phase of the project became operational in 2013 and the 200MW second phase will be operational in April 2017."

"The solar park will help reduce 6.5 million tonnes of carbon emissions annually."

"The infrastructure pillar also includes the establishment of the Dubai Green Zone, which is a free zone designed to attract research and development centres and emerging companies in clean energy."

"The third pillar is about providing financial solutions for research and development in clean energy and its applications."

"This includes the establishment of the AED 100 billion Dubai Green Fund that will provide financial tools for clean energy investors in the Emirate," concluded Al Tayer.

DEWA launches Smart Power Plant



DEWA has launched the Smart Power Plant to develop its smart operations and achieve its vision to become a sustainable innovative world-class utility.

"The launch of the Smart Power Plant is part of our efforts to speed up the transformation of Dubai into a smart city, in line with the Smart Dubai initiative launched by His Highness Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, to make Dubai the smartest city in the world.

The Smart Power Plant will enhance the quality of life in Dubai and provide its community with efficient and reliable electricity and water

services. DEWA's three smart initiatives, Shams Dubai, Smart Applications through Smart Meters and Grids and Green Charger, contribute to achieving smart transformation within the Emirate by building smart grids to achieve its vision. It is the first network in the world to provide customers with generation, transmission and distribution systems," said HE Saeed Mohammed Al Tayer, MD & CEO of DEWA.

"DEWA's Smart Power Plant is a centralised information system that automatically gathers data from control systems in real time and is capable of functions such as watering plants using the One-Way Data Device, developed by DEWA's internal staff."

"The operational system is clear and comprehensive, allowing quick analysis and fast decision making to improve performance and prevent potential mishaps."

"Users can easily receive results at any time, and from any location, by the use of personal computers, or other smart devices," explained Al Tayer.

The data gathered by power plants can be immediately calculated by the Smart Power Plant in real time, showing immediate results for major performance indicators such as production, and performance.

The system automatically issues technical, and administrative reports, and sends immediate notifications regarding important events via email or SMS.

In 2014, DEWA won the UAE Ideas Award 2014, for promoting e-Government at the UAE Ideas Conference.

A team from DEWA's Generation division won the award for its One-Way Data Device that was custom-built for DEWA.

The device ensures the safe transmission of data from power stations to a shared platform. This builds a knowledge base for decision-makers, enabling them to access data using smart devices.

Developing Dubai Green Free Zone strategy



DEWA has issued a Request for Proposals (RFP) for consultants to develop the strategy and deployment plan for a Green Free Zone in Dubai, as part of Dubai Clean Energy Strategy 2050. The strategy consists of five main pillars: infrastructure, legislation, funding, building capacities and skills, and an environmentally-friendly energy mix. The infrastructure pillar includes the establishment of a new free zone under the name 'Dubai Green Zone' dedicated to attracting mature and emerging companies in clean energy. The Dubai Green Zone will become a global hub to attract R&D and innovative clean energy companies. It will provide a boost to the long-term vision of the Dubai Declaration's strategic commitment to develop Dubai into the Capital of the Green Economy.

Occupational health and safety training centre



DEWA has been certified by the British Safety Council as an occupational health and safety training centre. DEWA is the first government department to be registered with the Council. DEWA employees and strategic partners who undergo the training will be awarded with credit certificates in occupational health and safety from the British Safety Council. This move supports DEWA's intensive efforts to apply comprehensive and integrated systems to manage occupational health and safety. It also supports international partnerships to improve occupational health and safety standards at DEWA.

DEWA Customer Service become Customer Happiness



HE Saeed Mohammed Al Tayer, MD & CEO of Dubai Electricity and Water Authority (DEWA), has declared that DEWA has changed the name of its Customer Relations division to the Customer Happiness division, also changing the name of its Customer Relations department to Customer Happiness department. The names of DEWA's Customer Service Centres have been changed to Happiness Centres.

Managers and directors of customer services have now become Happiness Ambassadors, and the front desk Stars of Service employees have now become Stars of Happiness.

DEWA enrolls 143 electrical and solar photovoltaic consultants and contractors



DEWA has organised the fifth training course for contractors and consultants who specialise in installing solar photovoltaic systems. Trainees learned about the technical requirements, safety standards, and DEWA's guidelines for installing photovoltaic panels on rooftops to generate electricity and connect it to DEWA's grid. The training is part of DEWA's efforts to ensure photovoltaic systems are designed and installed according to the highest international quality standards. This is part of the Shams Dubai initiative, which enables customers to install photovoltaic panels on building rooftops and connect them to DEWA's grid.

To date, a total of 143 engineers have been enrolled as electrical and solar photovoltaic consultants and contractors. DEWA's training course includes academic and practical training, covering all technical aspects of installing photovoltaic panels, as well as safety procedures.

"DEWA is committed to the highest quality and safety standards across its internal operations and external activities. This supports our mission, which states that we are committed to the happiness of our stakeholders and promoting Dubai's vision through the delivery of sustainable electricity and water services at a world-class level of reliability, efficiency, and safety, in an environment that nurtures

innovation with a competent workforce and effective partnerships; supporting resources sustainability. This also supports our vision to become a sustainable innovative world class utility. We work closely with our partners to reach the best excellence and quality levels and contribute to achieving the Dubai Plan 2021 for the Government of Dubai to be pioneering, excellent, proactive, and creative in meeting the needs of individuals and society as a whole," said HE Saeed Mohammed Al Tayeer, MD & CEO of DEWA.

"DEWA is committed to making all staff and partners aware of the latest standards in performance and ensuring the highest levels of security and safety. That's why we offer this training programme to register specialised consultants and contractors to install photovoltaic panels in residential, commercial, and industrial buildings."

"We also urge manufacturers of solar power equipment and tools to register their products with us so that we can approve them for installation. This will then result in solar systems being installed according to the highest standards, as part of DEWA's Shams Dubai initiative, which supports the Smart Dubai initiative launched by His Highness Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai,

to make Dubai the smartest city in the world," added Al Tayeer.

DEWA is encouraging building owners to take advantage of the Shams Dubai initiative and locally generate clean energy which helps to reduce their electricity bills, increase their property value, protect the environment, support Dubai's economy, and guarantee a sustainable future for the Emirate.

DEWA has outlined easy steps to install photovoltaic systems in buildings to generate solar power. The installation process starts with the customer contacting one of the consultants or contractors accredited by DEWA to suggest the best solution and obtain the necessary approvals from DEWA.

After completing installation, they will submit a notification to DEWA to conduct the technical inspection of the site and install the meter to complete the connection process.

To register for training courses, contractors and consultants should nominate their employees and register on their behalf on the website www.dewa.gov.ae/shamsdubai that has information about the training courses, and registration requirements.

It also publishes a comprehensive list of consultants and contractors registered to install photovoltaic panels.

DEWA organises Knowledge and Reading Open Day



DEWA has organised a Knowledge and Reading Open Day. A large number of technical and administrative employees attended the event. The Open Day supports the directives of HH Sheikh Khalifa bin Zayed Al Nahyan, President of the UAE, who declared 2016 as the Year of Reading in the UAE. The step also supports the Arab Reading Challenge, which was launched by HH Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, and is regarded as the largest project in the Arab world to encourage students to read. To ensure the success of the initiative, and in support of 2016 being declared as the Year of Reading, DEWA also organised a second activity for employees

at DEWA's smart libraries. Fatma al Suwaidi, Senior Manager of Knowledge Management, DEWA, welcomed guests and presented the Arab Reading Challenge as well as the concept of knowledge-sharing.

Writers, authors, and experts also took part and talked about their personal experiences. Hussain Lootah, Executive Vice President of Transmission Power at DEWA, the author Shaima Al-Marzooqi, and author, publisher and poet Talal Salem also took part. Hend Saeed, Programme Manager at Dubai International Writers' Centre, talked about the Dubai Book Festival, which will be from the 1–12 March 2016. The event will host over 120 writers and authors from all over the world, including local

author Shaima Al-Marzooqi.

The Open Day for Knowledge and Reading featured a host of activities including a presentation on the importance of knowledge, the Arab Reading Challenge, an area to encourage people to read, The Emirates Airline Festival of Literature, The Dubai International Writers' Centre, a panel discussion about writing from a draft to publishing, the Share-an-Hour session and a workshop to develop children's writing skills. At the end of the event, the participants were very happy and expressed their desire to see the division organise more events based around knowledge and reading.

Over 1.4 million calls in 2015



DEWA received over 1.4 million calls in 2015. DEWA's call centre, the Customer Care Centre, answered 665,343 calls, with 754,190 calls managed by its Interactive Voice Response system, enabling DEWA's customers to make use of its services smartly and efficiently.

First specialist cyber defence centre in Dubai Government



DEWA is the first government organisation to launch a Cyber Defence Centre to protect its assets proactively. The move reflects DEWA's commitment to becoming a sustainable, innovative world-class utility, by adopting innovation to make Dubai a safer place for visitors and residents, while providing ease and efficiency. The Centre will limit potential cyber risks through proactive surveillance of DEWA's services and technical assets.

Completing 1 Megawatt solar photovoltaic project



DEWA, in conjunction with Emirates Airline, has successfully installed solar photovoltaic panels at the Emirates Engine Maintenance Centre in Dubai. The project is part of the Shams Dubai initiative launched by DEWA earlier this year in line with the vision of His Highness Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, to implement a long-term national initiative, Green Economy for Sustainable Development, to build a green economy in the UAE, and the UAE Vision 2021 to make the UAE one of the best countries in the world by 2021.

Achievements



DEWA's Sustainability Culture Indicator rises to 85% in 2015

DEWA's Sustainability Culture Indicator (SCI) survey has risen to 85% for 2015, a 3% year-on-year increase. This result was recorded during DEWA's annual Corporate Sustainability Culture Indicator progress report, which tracks DEWA's ability to integrate sustainability within its corporate culture, evaluate the success of various engagement exercises, and promote corporate potential to achieve sustainability.

The SCI has a keen eye for leadership and strategic commitment to sustainability, reflecting DEWA as a committed, and effective government utility that is committed to sustainability, and is capable of making a difference, while raising

awareness and educating others about it.

"We are committed to achieving government sustainability based on the vision of His Highness Sheikh Mohammed Bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, to provide a brighter future for Dubai. We annually study the Sustainability Culture Indicator while taking great steps towards achieving our goal of becoming a sustainable, innovative world class utility. Sustainability is a major part of DEWA's strategy and culture. We are pleased with the results shown by our recent study, as they portray our employees' level of commitment to the concept of sustainability, within the work place and at home," said HE Saeed Mohammed Al Tayer,

MD & CEO, DEWA.

"2015's SCI study gained the interest of many DEWA employees, reflecting their commitment to the concept of sustainability and adopting it as standard government culture. The study provides a road map that highlights key information that can help us further integrate this concept into our daily practices and can also help us raise awareness about sustainability among employees. We are committed to our ongoing efforts to enhance our performance as a government, as well as the skills of individuals, based on the highest international standards," concluded Waleed Salman, Executive Vice President of Strategy & Business Development.

Best m-Government Award in environment category



DEWA won the Best m-Government Service Award in the environment category for the second consecutive year. This was announced on the third and last day of the World Government Summit, under the patronage and in the presence of HH Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and

Ruler of Dubai. DEWA's smart app provides over 150 services and features that meet the expectations and needs of all stakeholders, including customers, consultants, suppliers, job seekers, government organisations, and people with special needs. It is compatible with various platforms including Android, iOS, and Blackberry.

ISO 10002:2014 Certificate



DEWA received the ISO 10002:2014 certificate for providing guidance on the process for handling complaints about planning, design, operation, maintenance, and improvement services offered by DEWA. This accomplishment reflects DEWA's commitment to employing the highest

standards of availability, reliability and efficiency when providing customers with services that adhere to the highest standards of excellence. This supports Dubai's sustainable development and contributes to the Emirate's position as a leading hub for business in the region.

Four awards at Ideas.America 2015



DEWA won four awards at Ideas.America 2015, for DEWA's suggestions from its Power and Water Planning, Power Distribution, and Power Transmission divisions. DEWA was the Silver Winner of the Best Idea of the Year Award for suggesting the Enhanced Medium Voltage (MV) cable efficiency and rating special backfilling material, the Bronze Winner of

the Best Executive Leadership Award, an Honourable Mention for the 2015 Best Team Idea of the Year Award for the Optimisation of Lines Testing Process Approval, and the Kudos Award for Modification of Fire Pumps Maintenance in DEWA Substations.

ISO 55001: 2014 Certificate



DEWA has received the ISO 55001: 2014 Certificate for Asset Management after passing an external audit conducted by an international organization. As a result, DEWA is the first government utility in the world to receive the prestigious award for the integration of high quality asset management

in operations pertaining to the generation, transmission, and distribution of electricity and water.

His Excellency Saeed Mohammed Al Tayer, MD & CEO of DEWA received the award in the presence of Hussain Lootah, EVP-Transmission Power at DEWA.

Three awards at Smart Cities Summit and Awards 2016



DEWA won three awards at the Smart Cities Summit and Awards 2016 during the World CSR Day activities in Mumbai, India. DEWA won in the Best Smart City Initiative category for its Green Charger Initiative, in addition to winning the Configuration and Deployment of Smart City Infrastructure 2016 category for its Dubai Smart Soil Initiative. DEWA also received the award for Most Powerful Smart City Leaders. These awards reflect DEWA's commitment to

enhancing Dubai's position in the regional and international renewable energy sectors. They also reflect DEWA's commitment to achieving the objectives of the Smart City Initiative, launched by HH Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, to transform the Emirate into the smartest city in the world.

Dubai Supreme Council of Energy

Dubai Supreme Council of Energy 39th meeting reviews district cooling regulation



HH Sheikh Ahmed bin Saeed Al Maktoum, Chairman of the Dubai Supreme Council of Energy chaired the 39th meeting of the council at its headquarters. HE Saeed Mohammed Al Tayer, Vice Chairman of

the Supreme Council of Energy, attended the meeting. The meeting addressed the implementation of detailed studies to save water through the re-use of water for irrigation, as well as defining potential

opportunities, and developing an integrated strategy for Dubai's water supply.

Nasir Abu Shehab, Executive Director of Strategy and Corporate Governance at the Roads and Transport Authority (RTA), talked about the RTA's plan to convert 50% of Dubai's Taxi fleet to hybrid cabs by 2021, to support Dubai's plan to reduce energy consumption. DEWA's Health and Safety department presented guidelines and samples, setting a benchmark for organisations who work in cooperation with the Supreme Council of Energy.

Saeed Mohammed Al Tayer meets Nasser Al Suwaidi to enhance cooperation



HE Saeed Mohammed Al Tayer, Vice Chairman of the Dubai Supreme Council of Energy met with HE Nasser Al Suwaidi, Member of the Executive Council of Abu Dhabi, and Chairman of the Abu Dhabi Energy Authority. They discussed ways to enhance

cooperation to achieve the UAE Vision 2021 to make the UAE one of the best countries in the world by 2021, and to strengthen UAE's position as a global role model in achieving the highest standards of energy efficiency, and increasing the share of renewable

and clean energy. The meeting is part of the Dubai Supreme Council of Energy's efforts to exchange skills and experiences with other government, federal, and local organisations, to achieve the UAE's vision of enhancing the government's capabilities, especially energy. HE Ahmed Buti Al Muhairbi, Secretary General of the Dubai Supreme Council of Energy, and Waleed Salman, Executive Vice President of Strategy & Business Development at DEWA, also attended.

Dubai Supreme Council of Energy signs MoU with Dubai Land Department



The Dubai Supreme Council of Energy signed a Memorandum of Understanding (MoU) with Dubai Land Department, during the Dubai Sustainable Cities Summit. The summit was organised by the Dubai Land Department in collaboration with the United Nations Environment Program (UNEP). The MoU was signed by HE Ahmed Butti Al Muhairbi, Secretary General of the Dubai Supreme Council of Energy, and HE Sultan Butti Bin Mejren, Director General

of the Dubai Land Department, attended by their senior managers and executives. The MoU forms the foundation for further cooperation in energy demand side management, to draw an energy-intensity map of Dubai.

"In line with the vision of His Highness Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, to enhance sustainability in the emirate, and adhering to the Dubai Clean Energy Strategy 2050, we are working towards becoming the city with the lowest Carbon Footprint in the world," said HE Saeed Mohammed Al Tayer, Vice-Chairman of the Dubai Supreme Council of Energy.

"We are excited about signing this MoU with the Dubai Land Department, and contributing to the Dubai Integrated

Energy Strategy 2030 to reduce energy consumption by 30% by 2030," he added.

"Through our cooperation with the Dubai Land Department, we seek to exchange knowledge and raise awareness among the community about conserving energy and water, with this energy intensity map," said Al Muhairbi.

"We are happy to be working alongside the Dubai Supreme Council of Energy to not only save our resources, but to save our environment as well. Through the Dubai Land Department's influence within Dubai's real-estate market, we can keep the Council updated regarding resources, and the preservation of energy," said Bin Mejren.

Solar Decathlon Middle East steering committee holds first meeting



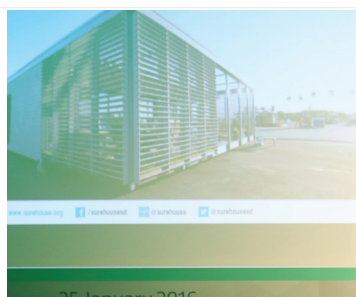
HE Saeed Mohammed Al Tayer, Vice Chairman of the Dubai Supreme Council of Energy and MD & CEO of DEWA chaired the first meeting of the Solar Decathlon Middle East (SDME) steer-

ing committee at DEWA's head office to discuss the preparation and organisation of the Solar Decathlon, which is scheduled to take place in 2018 for the first time in the region and again in 2020 to coincide with World Expo 2020 in Dubai. The committee reviewed the preparations for workshops for the Deans and Chancellors of engineering faculties and UAE- and GCC-based universities.

Twenty teams will take part in the international competition, which will take place for the first time in the Middle East and Africa after

its success in the United States, Europe, China, Latin America and the Caribbean. College and University teams will have to design, build and operate solar-powered houses that are cost-effective and energy-efficient, while taking into account the region's climate.

The meeting also highlighted the importance of the Decathlon, and how it will further enhance Dubai's role as an international leader for sustainability and renewable energy.



The Workshop

HE Saeed Mohammed Al Tayer, Vice Chairman of the Dubai Supreme Council of Energy and MD and CEO of DEWA has invited university teams from around the world to participate in the Solar Decathlon Middle East, which was created through an agreement between the Dubai Supreme Council of Energy and DEWA, and the United States Department of Energy. Dubai will host the first two rounds of the Solar Decathlon, which is held for the first time in the Middle East, in 2018 and again in 2020 to coincide with World Expo in Dubai, whose theme 'Connecting Minds, Creating the Future' fits well with this distinguished international competition. The total competition prizes are AED 10 million.

The workshop, held at Grand Hyatt hotel in Dubai, was attended by university heads, and deans of engineering colleges, a number of officials and students from universities in the UAE and the region, and a large number of local and international media.

In his keynote speech, Al Tayer welcomed the participants and thanked Richard King and Joe Simon for their participation in the workshop. "His Highness Sheikh Mohammed bin Rashid

Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai has observed that, "Every investment in the development of clean energy sources is at the same time an investment to protect the environment for future generations." In DEWA, we invest heavily in developing people capable of spearheading research and development in clean and renewable energy to preserve natural resources and protect the environment. Last November, His Highness inaugurated the construction works of the DEWA Innovation Centre at the Mohammed bin Rashid Al Maktoum Solar Park. It includes a number of research and development laboratories in clean energy. It will also oversee research and development projects with a total investment of AED 500 million," said Al Tayer.

"DEWA provides scholarships and innovative programmes to prepare a generation that is capable of pursuing the vision of our wise leadership to achieve sustainable development. One of the programmes adopted by DEWA is the Carbon Ambassadors Programme, whose aim is to involve the youth in sustainability and low-carbon development

activities. The first batch of graduates have created self-sustainable bus stops from retired shipping containers to inspire a more environmentally-sustainable way of life."

"To support DEWA's mission to promote Dubai's vision by delivering sustainable electricity and water services at a world-class level of reliability, efficiency, and safety in an environment that nurtures innovation, and DEWA's vision to become a sustainable innovative world class utility, we are pleased to provide all the necessary support to contribute to the success of Solar Decathlon Middle East. We will encourage students to design, build, and operate solar-run sustainable houses that are efficient in terms of cost and energy use, while taking into account the region's climate," added Al Tayer.

"I look forward to welcoming you to Dubai in 2018. I encourage university teams from the region and the world to prepare their projects and suggestions and implement them in Dubai, the shining Emirate whose ambition has no limits," concluded Al Tayer.



Shams Dubai initiative continues renewable energy use projects

Dubai is a pioneer in the development of renewable energy and is at the forefront of alternative energy, exploring and seeking new methods of enhancing efficiency, rationalising the consumption of natural resources and finding alternative solutions for conventional energy to achieve sustainable development in the Emirate.

Dubai encourages its citizens and residents to get involved and contribute towards generating clean energy to enhance Dubai's position regionally and internationally, transforming the Emirate into a role model for the preservation of natural resources by integrating ground-breaking strategies and initiatives.

DEWA encourages customers to produce clean energy, following the resolution number 46 of 2014 issued by the Dubai Executive Council to regulate electricity produced from photovoltaic panels to the power distribution system in Dubai. The resolution formed a comprehensive legislative framework to connect electricity produced from solar power to the distribution system. The resolution supports the Smart Dubai initiative launched by HH Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, to transform Dubai into the smartest city in the world. This will engage the community in the production of electricity

from solar energy, diversify energy sources by increasing renewable energy targets, preserve the environment and lower the country's carbon footprint, while also encouraging the development of a green economy to achieve sustainable development. Shams Dubai allows customers to install photovoltaic panels on their rooftops to generate electricity from solar power. The electricity is used onsite and the surplus is exported to DEWA's network.

DEWA's work on clean and renewable energy

DEWA has a well-defined strategy and an ambitious vision, to support the development and establishment of sustainable energy

projects in Dubai. DEWA has increased the targets for renewable energy to 7% of Dubai's total power output by 2020 and 25% by 2030, to support the Dubai Clean Energy Strategy 2050, launched by HH Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, to make Dubai a global centre of clean energy and green economy. It aims to increase Dubai's total power output from clean energy sources to 75% by 2050. The initiative also supports the long-term national Green Economy for Sustainable Development initiative, launched by HH Sheikh Mohammed bin Rashid Al Maktoum, to build a green economy in the UAE, in addition to the UAE Vision 2021 to make the UAE among the best countries in the world by 2021. DEWA's vision is to ensure the Emirate's continuous growth and, at the same time, protect its natural resources and shape the future of energy in the region as a whole, to achieve sustainable development and promote the welfare of citizens, residents, and visitors, and ensure a sustainable future for generations to come.

AED 65 billion in investments towards 2020

According to HE Saeed Mohammed Al Tayer, MD & CEO of DEWA, DEWA will invest AED 65 billion in Dubai's energy and water sector in the run up to 2020 to meet increasing demand. This will provide considerable investment opportunities, support the growth of a green economy and create a competitive advantage for the UAE in clean energy and energy-efficiency technologies. DEWA has also allocated over AED 2.6 billion to support electricity, water and renewable energy infrastructure projects, according to the highest international standards. This will contribute to organising the best World Expo in 2020, in Dubai. DEWA will focus on renewable energy sources to support Dubai Expo's theme of 'Connecting Minds, Creating the Future' and its three sub themes of sustainability, mobility, and opportunity.

Two solar energy sources

The solar energy connected to DEWA's grid is derived from two sources. The first is DEWA's solar power plants at the Mohammed bin Rashid Al Maktoum Solar Park, one of the largest single-site renewable energy projects in the world, the park is managed by DEWA in

cooperation with the private sector. The solar park's capacity will be 5,000 MW by 2030, and will help reduce 6.5 million tonnes of carbon emissions by 2030, supporting the green initiatives and programmes carried out by the government to reduce carbon emissions. The second is electricity produced from small and medium solar-energy systems. This is done by installing photovoltaic panels on rooftops of buildings and connecting them to DEWA's grid as part of its Shams Dubai initiative, launched by DEWA.

The initiative allows customers to install photovoltaic panels on their rooftops to generate electricity from solar power. The electricity is used on-site and the surplus is exported to DEWA's network. An offset between exported and imported electricity units is conducted and the customer account is settled based on this offset.

Photovoltaic systems

Photovoltaic systems use photovoltaic cells to convert sunlight into electricity. Photovoltaic cells are made of semiconductors and are used to assemble photovoltaic modules, which are the components used in photovoltaic systems. A great advantage of photovoltaic systems is that they are fully-scalable and vary in size according to the local energy needs, so they can be used for residential, commercial, and industrial electricity supply. Photovoltaic systems components include solar panels, inverters, metering systems, and an interface protection system.

Making the most of being in the Sunbelt

"We support the Dubai Clean Energy Strategy 2050 to diversify Dubai's energy mix to include 25% from solar energy, 7% from clean coal, and 7% from nuclear power, and 61% from natural gas by 2030. The mix will gradually increase the employment of clean energy sources to 75% by 2050," said Al Tayer.

"The sun is the oldest energy source. Every hour, it beams onto Earth more than enough energy to satisfy global energy needs for an entire year. But photovoltaic technology began in the 1950s. Since then, it has advanced and the cost has reduced significantly, which makes solar power so attractive today, in addition to the fact that it is natural, clean, and inexhaustible. God has granted us in the UAE a region that is sunny every day. That's why,

taking advantage of this is a strategic necessity," added Al Tayer.

Solar energy systems: easy to install

DEWA has outlined easy steps to install photovoltaic systems in buildings to generate solar power as part of the Shams Dubai initiative. The installation process starts with the customer contacting one of the consultants or contractors accredited by DEWA to study the possibility of installing the solar power system and suggest the best solution. The consultant or contractor then obtains the necessary approvals from DEWA. After obtaining the necessary approvals, the consultant or contractor undertakes on-site work. After completing installation, they submit a notification to DEWA to conduct the technical inspection of the site and install the meter to complete the connection process.

Multiple advantages

While installing a photovoltaic system requires an initial investment, the in-house production of power reduces electricity bills in the building throughout the life cycle of the photovoltaic system, which is 25 years, at least, for a properly-maintained system. Installing a photovoltaic system also increases the value of a property as the new owner enjoys discounted electricity bills as a result of the production of electricity via the building's solar power system. Installing these systems to locally generate renewable energy, supports Dubai's economy, and ensures a sustainable future for the Emirate. Each kilowatt of



solar energy produced in Dubai contributes to reducing the Emirate's electricity needs, thus reducing the carbon footprint of individuals and the Emirate as a whole.

Requirements for enrolment as a solar photovoltaic consultant or contractor

DEWA enrolls consultants and contractors to ensure solar power is properly installed. DEWA enrolled 33 consultants and contractors so far. The company must have a valid trade licence issued by the Department of Economic Development, with at least one graduate electrical engineer under their sponsorship with at least one year's experience in supervising electrical works, and all designs must comply with DEWA's regulations for electrical installations. The company's employees should also pass the photovoltaic systems expert programme, and submit applications via DEWA's website. Companies must also have employees who are certified by DEWA as solar photovoltaic experts. Companies can register and submit applications through DEWA's website.

DEWA has recently organised a list of courses to train electrical and solar photovoltaic consultants and contractors. A total of 143 engineers and technicians have enrolled as electrical and solar photovoltaic consultants and contractors.

The courses include academic and practical training, covering all technical aspects of installing photovoltaic panels, and safety procedures. DEWA's enrolment scheme ensures that systems connected to DEWA's grid have been designed and installed by skilled and experienced professionals, to guarantee high levels of safety, security, and compliance with required technical standards.

It also ensures that only solar photovoltaic qualified professionals work on solar panels, to ensure the protection and safety of the public and DEWA's grid. Certification as a solar photovoltaic expert by DEWA requires attending a training programme and passing a test.

Eligible photovoltaic equipment

DEWA continues to register contractors and consultants and provides specialised training courses to engineers and technicians who are employed by photovoltaic panel companies. They learn technical requirements, safety requirements.

DEWA's guidelines for installing photovoltaic panels on rooftops to generate electricity and connect it with DEWA's grid.

Customers who are interested in installing solar photovoltaic systems can learn about the details of the initiative and the list of consultants and contractors accredited by DEWA to install solar power systems by viewing DEWA's website, which has information about the training courses, registration requirements, and a list of consultants and contractors registered to install photovoltaic panels.

DEWA has invited manufacturers of solar power equipment and tools to register their products as eligible for DEWA. Eligibility criteria are described in the standards for the Distributed Renewable Resources Generation (DRRG) programme for connection to DEWA's power grid, which sets out the requirements for solar photovoltaic modules, inverters, and interface protection systems.

DEWA will continuously review and update the standards to keep requirements updated on the latest available standards. The website allows DEWA to register consultants and contractors to ensure photovoltaic systems are installed according to the highest international quality standards. To date, the website has received over 55,000 visits since its launch.

To ensure that the Shams Dubai initiative is a success, DEWA is working with its partners organisations to install the photovoltaic panels. The initiative is part of a wider environmental approach, which falls in line with the Dubai Clean Energy Strategy 2050. DEWA announced the first project under the Shams Dubai initiative, in collaboration with Dubai Airports, to supply Dubai World Central—Al Maktoum International Airport with solar photovoltaic energy.

The move increases the use of alternative energy sources and reduces the airport's carbon footprint, in addition to exporting excess energy back into the national power grid.

This reflects the commitment of DEWA and Dubai Airport to make better use of alternative energy and reduce the emirate's reliance on fossil fuels. Using 102 solar panels, the project explored the benefits of solar energy to generate electricity.

The electricity generated from the panels will facilitate DEWA's Employee Gate facility. The panels were installed on the rooftop of the

facility with a capacity of 30 kilowatts (kW).

Installation of solar photovoltaic panels at the Emirates Engine Maintenance Centre

In collaboration with Emirates Airline, DEWA has successfully installed solar photovoltaic panels at the Emirates Engine Maintenance Centre in Dubai.

The new project in Warsan will generate 1 megawatt (MW), saving around 1,200 tonnes of carbon dioxide per year.

The project will increase the use of alternative energy and reduce carbon emissions.

The newly-installed system includes 2,990 photovoltaic panels and will use solar power to generate electricity and meet the needs of the centre. The panels were installed on the rooftop of the Emirates Engine Maintenance Centre's car park.

Based on its capacity of 1MW, the panels are expected to generate in excess of 1,884 MW of electricity every year.

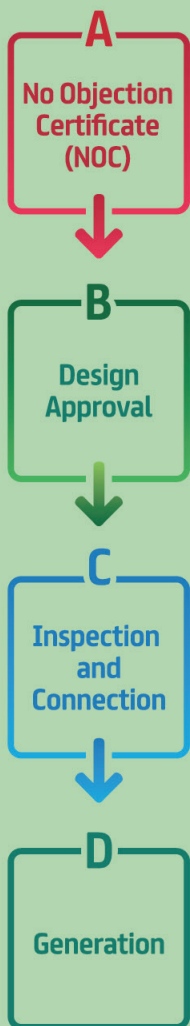
Competitiveness and Excellence

Al Tayer emphasises the continuity of work based on best international standards, in line with the vision of His Highness Sheikh Mohammed bin Rashid Al Maktoum that a smart city is a city that makes people happy, makes their lives easier, and improves living standards.

It is efficient in using its resources, and provides seamless and integrated services.

"At DEWA, we work to achieve this vision, which supports the Dubai Plan 2021, to make Dubai the preferred place to live, work, and visit. 2016 will witness the continuation of our efforts to enhance cooperation with other government organisations, strategic partners, and stakeholders to further develop the Shams Dubai initiative and achieve the expectations of citizens and residents, providing a brighter and happier future for Dubai," concluded Al Tayer.

THE CONNECTION PROCEDURE CONSISTS OF 4 DIFFERENT STAGES:



ENGAGING WITH CONTRACTORS/CONSULTANTS

Customer contacts one of DEWA's approved consultants or contractors to assess feasibility and get guidance on the best solution for the solar PV system in compliance with DEWA standards. ⁽¹⁾

01



NOC APPLICATION

The consultant or contractor submits the Application for Solar NOC ⁽²⁾ to DEWA.

02



DESIGN APPROVAL APPLICATION

Upon receiving the DEWA Solar NOC, the consultant or contractor submits application and relevant documents for solar PV design approval ⁽³⁾

03



04



TECHNICAL DESIGN APPROVAL DOWNLOAD

Upon receiving the solar PV design approval, the assigned consultant or contractor will be provided with an estimate of the applicable connection fee.

NOTIFICATION TO DEWA

The consultant or contractor notifies DEWA through the system that field works have been completed and the installation is ready for inspection and connection.

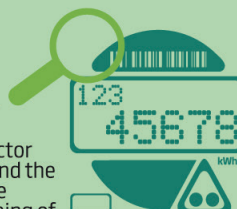
05



SITE INSPECTION & CONNECTION

The consultant or contractor coordinates with DEWA and the customer to facilitate site technical inspection, signing of the connection agreement, installation of the meter and connection of the solar PV system to DEWA grid. ⁽⁴⁾

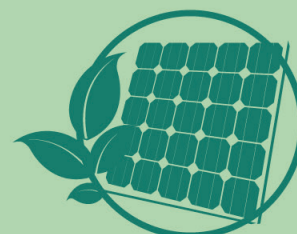
06



SOLAR GENERATION

Once the system is connected, the customer can generate his/her own electricity using solar energy and feed any surplus back to DEWA grid. DEWA will offset the customer's bill accordingly.

07



1. The consultant or contractor will act as your agent and will advise you on the best possible solution for your system.
2. As per the Terms and Conditions, the capacity installed cannot exceed the maximum load allowed at customer's premises. Moreover, DEWA may impose a lower threshold should it be justified by technical limitations related to the integration of your PV system into the power distribution grid.
3. A number of technical documents need to be submitted to DEWA, such as the site plans, system design plans and details of the proposed equipment, compliance with DEWA regulations.
4. For systems with an installed capacity of over 400kW, the cost of some dedicated equipment for grid integration might be added to the standard connection fee. A budgetary estimate of such cost can be provided in the early stages of application process upon request, if the consultant or contractor submit the required technical information.
5. For installations above 100 kW, plant performance test should previously be completed successfully.

Note: Shams Dubai initiative deals with Solar PV Systems only, not with Solar Water Heating Systems.

* Please visit www.dewa.gov.ae/shamsdubai for all links and for a full list of enrolled contractors and consultants



Earth Hour

achieves outstanding energy consumption and carbon dioxide reduction levels for Dubai for the 9th consecutive year

Earth Hour 2016 has achieved outstanding results for Dubai. The event was organised by Dubai Electricity and Water Authority for the ninth consecutive year in a row, in line with the directives of HH Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, and under the patronage of HH Sheikh Hamdan bin Mohammed bin Rashid Al Maktoum, Crown Prince of Dubai and Chairman of the Dubai Executive Council.

Earth Hour 2016 activities saw a 222MWh reduction in the consumption of electricity, and a reduction of 96 tonnes in carbon dioxide emissions. This reflects Dubai's commitment to protecting natural resources and reducing the country's carbon footprint. Through this annual event, DEWA aims to raise awareness among the community and promote the rational consumption of resources as part of daily life, in addition to highlighting the importance of protecting the environment to make a positive change, and supporting national efforts to enhance sustainable development in Dubai.

Earth Hour 2016 activities started at 4pm on Saturday, 19 March 2016 at Bay Avenue Park in Business Bay, Dubai. All participants switched off their unnecessary lights at 8:30pm and lit environmentally-friendly candles made of honey, wax, and soya. This is a noble gesture by the people of Dubai, reflecting their support for international efforts to protect the Earth. HE Saeed Mohammed Al Tayer, Vice Chairman of the Dubai Supreme Council of Energy, and MD & CEO of DEWA participated in the activities. Government organisations, private companies, universities, schools and individuals also took part.

HE Dr Thani bin Ahmed Al Zeyoudi, Minister of Climate Change and Environment, HE Khaled Al Kamda, Director General of the Community Development Authority, HE Saif Humaid Al Falasi, CEO of ENOC, HE Khalifa bin Dray, Executive Director of the Dubai Corporation of Ambulance Services, HE Saeed Mohammad Harib, Secretary General of Dubai Sports Council, Sheikhha Shamsa bint Hasher Al Maktoum, Member of the

Arab Volleyball Association, Saeed Ahmed Thani Al Tayer, Executive Director of the Legislation and Policies Division at Dubai Customs, represented HE Ahmed Mahboob Musabah, Director General of Dubai Customs, all attended, along with officials from Supreme Council of Energy in Dubai and DEWA, and other public and private sector staff from Dubai.

Earth Hour 2016 included a host of family and entertainment activities to spread environmental awareness. In cooperation with the Dubai Carbon Centre of Excellence (DCCE) DEWA launched the Carbon Neutral Initiative, to neutralise all carbon emissions during Earth Hour. This was achieved by projects based on the Kyoto Protocol, which is directly linked to the United Nations (UN) Framework Convention on Climate Change. DEWA also launched its 'Shine a light on Climate Action' campaign to raise awareness about the dangers of the increasing effects of climate change, and emphasise the importance of the rational use of electricity and water.

"We are pleased to organise this event in partnership with the Dubai Supreme Council of Energy and the Emirates Wildlife Society (EWS), in association with the World Wide Fund for Nature (WWF), and in cooperation with Dubai Properties Group (DPG). This supports the directives of His Highness Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, who has laid down the foundations for a sustainable future for present and future generations through a vision, creative initiatives, and quality programmes. The directions of His Highness have been translated into real initiatives with close follow-up from His Highness Sheikh Hamdan bin Mohammed bin Rashid Al Maktoum, which has helped Dubai to become a world model for clean and renewable energy, sustainability, and other environmental issues that are of interest to governments and individuals alike," said Al Tayer.

"Dubai was the first Arab city to participate in Earth Hour in 2008, to support and incubate initiatives and events that promote public awareness on environmental issues and the sustainable development of the UAE, the region. We are proud of the community's participation in this annual event, and how much energy consumption levels have been reduced by over the years. This supports the

long term Green Economy for Sustainable Development initiative, launched by HH Sheikh Mohammed bin Rashid Al Maktoum, to achieve sustainable development in Dubai, and enhance its position as a global hub for trade, finance, and green economy, creating a sustainable future for the Emirate. Earth Hour 2016 also adheres to the Dubai Clean Energy Strategy 2050, which aims to transform the Emirate into an international hub for clean energy and green economy, making Dubai the city with the lowest carbon footprint in the world by 2050," added Al Tayer.

Al Tayer noted that the UAE was one of the first countries to support the international society to meet the challenge of climate change and one of the first nations to endorse the extension of the Kyoto protocol in 2005 to limit greenhouse gases in industrial countries. It was the first nation from the region to sign the Copenhagen Accord at COP15 to limit emissions.

"As part of the UAE Government's solid commitment to enhancing cooperation with the international community to address climate change and showcase our active role in adopting best sustainable practices based on renewable energy projects and support for their related research and development, DEWA was part of the UAE's delegation to the 21st annual session of the Conference of the Parties (COP21). In cooperation with some of the world's most important leaders, we forged an international Memorandum of Agreement (MoA) to develop an international framework of standards and guidelines directed towards managing the effects of climate change," said Al Tayer.

Al Tayer urged government and private organisations, and individuals, to combine efforts to achieve the Dubai Plan 2021 to make Dubai a smart, integrated, and connected city whose resources are sustainable. The collective efforts will conserve energy and will help reduce the carbon footprint, create a sustainable future for coming generations, and enhance the pillars of sustainability: "Earth Hour goes beyond turning off the lights for one hour. It is an international call to strengthen collaboration to promote a culture of conservation, and make it a part of our daily lives. This supports our efforts to promote sustainable development."

"Today we unite to achieve our noble goal of ensuring prosperity for the citizens and residents of the UAE, as well as for all

humanity. Earth Hour is an opportunity for us to gather and express our support for the planet we live in, and our commitment to making changes to limit climate change. Previous years witnessed an amazing response to Earth Hour activities, by uniting official and public efforts. The level of participation seen by this event emphasises the UAE community's commitment to supporting efforts to preserve the environment and combat climate change, and set the standards for sustainability by promoting the rational use of environmental, and energy resources," said Amal Koshak, Senior Manager of Marketing Communications at DEWA.

There were a range of family-friendly entertainment and activities at the event to

promote environmental awareness. There was a Heritage Village with workshops for children, arts and crafts activities, a marine conservation area and traditions foods, henna painting, and an Emirati wedding exhibit, with free dates and Arabic coffee on hand as well.

Many organisations had stands to promote the rational use of energy and water at Earth Hour. They included the Ministry of Climate Change and Environment, the Roads and Transport Authority in Dubai, the Dubai Supreme Council of Energy, the Community Development Authority, Dubai Corporation for Ambulance Services, Dubai Silicon Oasis Authority, Emirates Environmental Group, and Dubai Airport Free Zone.



DEWA honours winners of Internal Corporate Excellence Award 2015



DEWA recognised distinguished employees for the first half of 2015 at the Internal Corporate Excellence Awards in support of the directives of His Highness Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, to promote excellence, creativity and quality and DEWA's strategy to enhance government excellence, based on international standards.

HE Saeed Mohammed Al Tayer, MD & CEO, DEWA, accompanied by Waleed Salman, Executive Vice President of Strategy and Business Development, honoured the 160 employees in a special ceremony held at the Jumeirah Beach hotel attended by Executive Vice Presidents, directors and employees. The employees of the bi-annual award received awards for the following categories: Employee Excellence, Administrative Excellence, Corporate Excellence, Customer Service, Corporate Strategic Excellence, Risk Management, Sustainability, Service Level Agreements, and other sub categories.

"We take great inspiration from His Highness Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, who taught us valuable lessons regarding success and sustainable excellence. I recall His Highness once saying, "You can never create a competitive environment unless you

reward and praise creativity." In support of the directives of His Highness to nurture talent, reward achievements, and encourage the development of employees, we constantly praise the achievements of our different departments and administrative sections, and provide them with a positive work environment to encourage their commitment, thus improving the overall performance of our government, and the happiness of our employees," said Al Tayer.

"I am glad to be here with you to celebrate the efforts of our employees who have worked hard to contribute to our leading and growing position as a public utility, and recognise their efforts to improve and develop internal work procedures innovatively and creatively. I would like to congratulate the winners of the Internal Excellence Awards on behalf of everyone at Dubai Electricity and Water Authority (DEWA) and I ask everyone to continue to unite in their efforts and strengthen cooperation to achieve our strategic objectives and goals, while also enhancing DEWA's position locally, regionally and internationally," added Al Tayer.

"The Internal Excellence Awards ceremony was organised to motivate our employees further, making innovation a part of our working life and integrating it within our corporate culture, becoming the framework for continuous

development. DEWA's commitment to providing an inspiring work environment has remained constant. It encourages positive competitiveness between employees and departments, and rewards those who have excelled in their field through different internal award programmes that motivate productivity and innovation, to achieve DEWA's long-term vision to become a sustainable innovative world-class utility, operating on par with the most efficient government organisations in the world," concluded Al Tayer.

"DEWA encourages employees to adopt the concept of excellence as corporate culture, and daily practice. We continuously launch initiatives and activities to further develop our employees' innovative abilities. DEWA has raised its standards for the internal awards, in light of the Dubai Government Excellence Program (DGEP), which aims to create healthy competition among our employees and to develop the performance of individuals and respective departments, for the happiness of our employees, customers and stakeholders. DEWA's Internal Awards are held every six months. Winners are encouraged to enrol in the Excellence Bank, which will give them the opportunity to become a candidate for DGEP," said Salman.



Society's Happiness is Our Priority

DEWA marks International Day of Happiness with initiatives and activities for customers, staff, and society



DEWA celebrated the International Day of Happiness of HE Saeed Mohammed Al Tayer, MD and CEO of DEWA, Executive Vice Presidents, Vice Presidents, and a large number of staff and customers. Al Tayer inaugurated the celebrations at the Happiness Garden at DEWA's Head Office. The garden features different activities and events that promote the happiness of customers and employees. These include the Happiness Reading Corner, the Happiness Café, the Happiness Lounge Seating, and the Happiness Station. Gifts and roses were given to customers and staff. There was also a raffle draw where winners received valuable prizes. Those who entered the draw were the customers who paid their bills using DEWA's website or smart app in 2015.

Al Tayer started the celebrations by signing the Happiness Pledge to 'create more happiness in the environment around me.' He noted that positivity, optimism, and ambition are key pillars for achieving individuals' happiness and they should be a part of everyone's lives. This

spreads joy and smiles among our families, colleagues, and friends. This contributes to promoting happiness in society as a whole and further driving the UAE into new levels of development, growth, and prosperity.

"At DEWA, we take priority in achieving the happiness of all stakeholders, including customers, partners, staff, and society in general. This is done to support the directives of our wise government, and our efforts to achieve the Dubai Plan 2021 for Dubai to be a city of happy, creative, and empowered people and DEWA's vision to become a sustainable innovative world-class utility. His Highness Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE, and Ruler of Dubai observed that, "The government's policies, programmes, and services should contribute towards building a positive and happy community." His Highness emphasised that the government's main task is to ensure that conditions are conducive to delivering happiness to individuals, families

and employees and promoting positivity as a core value in the local community," he said.

Al Tayer added that DEWA has taken practical steps to make society happier and adopted a strategic objective in its 2021 strategy that focuses on the happiness of stakeholders and providing a happy work environment. DEWA was the first government organisation to implement the Happiness Meter, in support of the Happiness Meter initiative, launched by His Highness Sheikh Mohammed bin Rashid Al Maktoum. It provides tools that enable customers to decide how happy they are with the services provided, right after receiving them, and record them on smart devices at the counters. These devices are connected to special digital screens where senior management and the relative departments at DEWA monitor customers' happiness and take immediate improvement procedures. The Happiness Meter results support DEWA's vision and the aspirations of its management and staff. The overall happiness meter, as per



Dubai Smart Government Establishment's formula, achieved excellent results, with 98% registered in February 2016.

He also noted that DEWA has changed the name of its Customer Relations division to the Customer Happiness division and changed the name of its Customer Relations department to Customer Happiness department. The names of DEWA's Customer Service Centres have been changed to Happiness Centres. DEWA has also renamed the Employee Relations department to Employee Happiness department to enhance communication with staff through specific and effective channels, measure their satisfaction in different areas, and implement improvement initiatives based on the results. DEWA has also established the Happiness Majlis at its main office to provide an innovative work environment. It is equipped with all manner of comforts and amenities that promote optimism and positive energy, which are key elements for achievement and success. DEWA also launched the Al Saada (Arabic for 'happiness') initiative, to build smart fitness parks that turn people's kinetic energy into electricity, using specially-designed equipment. Al Saada combines the concepts of sports and sustainability, both of which are important elements for achieving happiness.

"On the International Day of Happiness, we reiterate our commitment to achieving happiness for all, guided by our wise leadership who put people's happiness as their priority. This is achieved according to well thought-out plans, strategies, and initiatives. This resulted in the UAE ranking first in the Arab World according to the World Happiness Report 2016, issued by the Sustainable Development Solutions Network and the Earth Institute at Columbia University. The UAE is ahead of countries such as France, Spain, and Japan. The UAE has ranked first in the world in public trust in government and business and government's ability to promote innovation, according to the Edelman Trust Barometer. For the fourth year in a row, the UAE has been named as the country in which most young Arabs would like to live, as well as the country they would most like their own nation to emulate," concluded Al Tayer.

"At DEWA, we do our best to provide excellent services that exceed customers' expectations and make them happier. This supports the Customer Happiness Charter through which, we are committed to providing the best services to our customers through a helpful and knowledgeable team that is understanding and capable of answering their queries. We look at the satisfaction and

happiness of our customers as the parameters to gauge performance and continuous advancement at DEWA," said Abdullah Al Hajri, Executive Vice President of Customer Happiness at DEWA.

"At DEWA, we work to promote positive energy among our staff by providing a happy and positive work environment that motivates creativity and innovation, and improves work in general. By observing the Day of Happiness, we underline DEWA's mission to commit to the happiness of our stakeholders including our staff" said Dr. Yousef Al Akraf, Executive Vice President of Business Support & Human Resources at DEWA.

DEWA has launched several initiatives to bring happiness to all stakeholders, including customers and staff. For example, DEWA has 3 care centres for the children of female staff that can accommodate a total of 167 children. Recently, DEWA launched an initiative that allows female staff who are married to soldiers on National Service, to leave half an hour earlier. These efforts support DEWA's strategy to provide a positive working environment that provides social and psychological care for mothers in their presence near their children. This in turn, is reflected positively in the performance of employees.

The International Day of Happiness, which takes place on 20 March each year, was adopted by the United Nations in recognition of the relevance of happiness and well-being as universal goals and aspirations in the lives of human beings around the world. The UN's resolution states that, "The pursuit of happiness is a fundamental human goal."



Women's Committee



Khawla Al Mehairi

Vice President Marketing & Corporate Communication
Chairperson of DEWA's Women's Committee

Dubai Electricity and Water Authority (DEWA) participated in the Global Women Forum Dubai, organised by Dubai Women Establishment (DWE), and the Women's Forum for the Economy and Society, under the patronage of HH Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai. DEWA's participation in the forum supports its Corporate Social Responsibility (CSR), and its strategy to take care of women as key partners in sustainable development.

The forum, held for the first time in the region, was led by HH Sheikha Manal bint Mohammed bin Rashid Al Maktoum, President of the UAE Gender Balance Council, President of Dubai Women Establishment, and wife of HH Sheikh Mansour bin Zayed Al Nahyan, Deputy Prime Minister and Minister of Presidential Affairs, highlighting the UAE's achievements and commitment to empowering women.

The agenda for the Global Women's Forum Dubai revolved around the pillars of achieving, creating, giving, energising, and sustaining.

The forum's agenda highlighted DEWA's ongoing efforts to further integrate women into energy and innovation, because they are essential to our achieving sustainable development. As HH Sheikh Mohammed bin Rashid Al Maktoum once said, "The UAE went beyond the stage of women's empowerment. We are now empowering the community through women."

The UAE is the first Arab country to make it mandatory for public and private organisations to include women on their boards of directors. It is also the first Arab nation to establish a Gender Balance Council, to increase the presence of women in leading positions and enhance corporate efficiency.

During the forum, I highlighted the role of women as key partners in sustainable development, the important role they play in energy, conservation, and protecting natural resources. The successes of sustainable development programmes are closely linked to the active participation of women. I also stressed that the role of women must not be ignored when energy-related policies and programmes are developed, noting that it's important to raise women's awareness as they play a key role in the rationalisation of energy use at home and in society as a whole.

Women can be change agents who encourage the shift towards using sustainable energy.

To conclude, I would like to thank our wise leadership and all female leaders who support and encourage the Emirati women. I have great appreciation for all government and private organisations who work to empower women.

DEWA establishes **Al Saada**, the region's first innovative sustainable smart sports park



Dubai Electricity and Water Authority (DEWA) signed a Memorandum of Understanding (MoU) with Dubai Women Establishment (DWE) to build Al Saada (Arabic for 'happiness') park at Dubai Ladies Club. Al Saada is a scale model of a smart sustainable activity park that uses sports to promote sustainability. Sustainability is one of the key pillars of a smart city and sport is important for people's happiness as it enhances harmony and human bonding in society. This initiative combines both the sustainability and happiness of society. Al Saada promotes sustainability by using innovative sports equipment that transforms kinetic energy into electricity. The generated power is used for

different purposes. This contributes to providing a healthy environment for society, making them fitter and happier by introducing sports in their daily agenda. This in turn, promotes a culture of exercise and raises environmental awareness. The move also underlines the corporate social responsibility of both DEWA and DWE, who support the social development of the Emirate and contribute to the Dubai Plan 2021 to create a society in which people share a set of core civic values, and where families live happily. Al Saada is a world-class activity park that demonstrates Dubai as it is becoming a sustainable hub that adopts best international practices in energy

usage, efficiency and the sensible management of natural resources. It also supports Dubai's objectives to fight obesity and provide a healthy environment for all.

The MoU was signed by HE Saeed Mohammed Al Tayer, MD and CEO of DEWA, and HE Mona Al Marri, Chairperson of the Board at DWE and Managing Director. Shamsa Saleh, CEO of Dubai Women Establishment, Khawla Al Mehairi, Vice President of Marketing and Corporate Communications at DEWA, and Lamia Khan Director of Dubai Ladies Club were also present.

Happier, Healthier, and Prettier Employee' initiative for female staff



DEWA's Women's Committee launched the 'Happier, Healthier, and Prettier Employee' initiative for its female staff. The initiative was launched at the Women's Committee's meeting at DEWA's Head Office. It was attended by Khawla Al Mehairi, Chairperson of DEWA's Women's Committee, and many female employees. The initiative features a host of health-related, cultural,

and social activities that the Women's Committee will organise over the next two months, to make DEWA's female staff happier. The activities focus on the importance of good health on for women's inner and outer beauty.

"This initiative supports DEWA's ongoing efforts to provide a positive and inspiring work environment for female staff, and support them to achieve

a balance between their professional and social lives, empower them, and promote their satisfaction and happiness. This supports the vision of His Highness Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, who has observed that, 'Our job is to provide an environment that unlocks women's potential – one that protects their dignity and femininity, helps them create the necessary balance in their lives, and values their talents and potential. Given this environment, I am confident that women will perform nothing short of miracles,' said Al Mehairi.

DEWA's women's sports team wins Duplays' 5-a-side football tournament



DEWA's women's sports team came first in the 5-a-side football tournament organised

by Duplays, the UAE's largest organiser of recreational sport leagues and amateur sports competitions. HE Saeed Mohammed Al Tayer, MD & CEO of DEWA, commended the achievement by the team, as well as the efforts of DEWA's Woman's Committee. "DEWA exerts every available effort to encourage its female staff to enhance their capabilities and their active participation in the development of DEWA and society as a whole. We recognise the

important role women play in social, cultural, and economic development. This supports the wise directives of HH Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, to support innovation in sports, developing and encouraging sporting achievements, and government innovation as individuals and groups, locally, regionally, and internationally." said Al Tayer.

Ethiopia plans new 2,000 MW dam



Ethiopia which plans to become a top regional electricity exporter, will soon launch a new 2,000 megawatt hydropower dam, Prime Minister Hailemariam Desalegn said. Under a new 2015-2020 development plan, Addis Ababa wants to raise output to 17,346 megawatts from a current capacity of just

over 2,200 from hydropower, wind and geothermal sources.

"The launch of this new dam will be commenced soon," Hailemariam told parliament, without giving further details. Ethiopia's bid to tap several rivers for power generation is part of plans to boost manufacturing and industrialize its agrarian economy.

It already has an array of projects under construction, including the \$4.1 billion Grand Renaissance Dam that will churn out 6,000 megawatts upon completion within the next five years, as well as a 1,800-megawatt Gilgel Gibe 3 Dam in its southern region.

Experts put Ethiopia's hydropower potential at about 45,000 megawatts and geothermal

at 5,000, while its wind power potential is believed to be Africa's third-largest behind Egypt and Morocco.

Once Ethiopia's grand plans are complete, it wants to export power to countries in North and southern Africa and beyond.

But poor rainy seasons that have left 10.2 million people requiring food aid in the country of 90 million have also had an adverse impact on existing dams, Hailemariam said. Four hydropower plants generating a total of 675 megawatts were either producing "as low as 10 percent or nothing at all" owing to low water levels, he said.

Doubling global renewables could save \$4.2 trillion

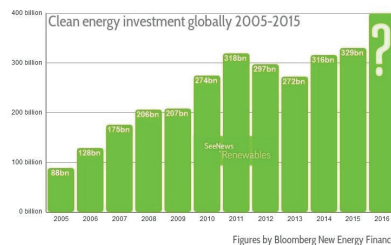


Boosting renewable energy generation to meet global climate goals could save as much as \$4.2 trillion a year by 2030, according to a new report asking lawmakers to strengthen clean energy policies.

Doubling the share of renewables in the world's energy mix to 36 percent between now and 2030 would cost \$290 billion a year and limit global warming to below two degrees Celsius, according to the Abu Dhabi-based International Renewable Energy Agency report. Mitigating against the harmful effects of global warming accounts for much of the savings.

Clean energy investment in 2015 rose to the record-high USD 329.3 billion (EUR 303bn), thanks to growth in China and India, Africa, the USA and Latin America.

Clean energy investment jumps to record USD 329bn in 2015



Clean energy investment surged in China, Africa, the USA, Latin America and India in 2015, driving the world's total to its highest ever figure, of USD 329.3 billion, up 4% from 2014's revised USD 315.9bn and beating the previous record, set in 2011 by 3%.

The latest figures from Bloomberg New Energy Finance (London, New York) mentioned that Wind and solar power are now being adopted in many developing countries as a natural and substantial part of the generation mix: they can be produced more cheaply than often high wholesale power prices; they reduce a country's exposure to expected future fossil fuel prices; and above all they can be built very quickly to meet unfulfilled demand for electricity.

Inauguration Of Shimel Station – North Area



HE Mohammed Saleh, Director General of Federal Electricity and Water Authority (FEWA), inaugurated Shimel 33/11kv (75 MVA) Station, RAK, Last Thursday. The station cost AED 33.9 Million and is supposed to cover Shimel area needs and future housing projects in Ghub, Sour and Hudeuba areas.

HE Mohammed Saleh said that this station will reduce loads on other stations like old Nakheel and Quseidat stations. This station comes as an addition to nine other stations aiming to boost infrastructure and housing projects in the emirate.

IMF chief Lagarde warns of “merciless” climate change



The planet is ‘perilously close’ to a climate change tipping point, and requires urgent cooperation between countries, cities and business, International Monetary Fund chief Christine Lagarde has said. Addressing an audience in London, Lagarde said reducing subsidies for fossil fuels and pricing carbon pollution should be priorities for governments around the world.

“Overcoming climate change is obviously a gigantic project with a multitude of moving parts. I would just like to mention one component of it—making sure that people pay for the damage they cause,” she said.

“We are subsidising the very behaviour that is destroying our planet, and on an enormous scale. Both direct subsidies and the loss of tax revenue from fossil fuels ate up almost \$2 trillion in 2011—this is about the same as the total GDP of countries like Italy or Russia.”

Describing the predicted consequences of climate change as ‘merciless,’ Lagarde said leaders had to engage in what she called a ‘new multilateralism,’ rekindling the ‘Bretton Woods spirit,’ which saw the creation of the IMF in 1945.

Lagarde’s comments come at a critical point in international efforts to address rising levels of greenhouse gas emissions. The UN expects a global deal will be signed in Paris next year. Preliminary negotiations are set to restart in Bonn at the start of March, with a draft text expected in November.

Lagarde, whose organisation is one of the key supporters of the UN-backed Green Climate Fund, added that investment in poorer regions was essential to ensure they can cope with a range of extreme weather patterns that could emerge as a result of climate change.

“Make no mistake, it is the world’s most vulnerable people who will suffer most from the convulsions of climate,” she said.

Minister Of Energy Receives Dubai Carbon Delegation Led By Company CEO



Bahraini Minister HE Dr. Abdul Hussain bin Ali Mirza received in his office, the Chief Executive of Dubai Carbon Centre of Excellence Ivano Iannelli who was accompanied by Technical Director Thomas Bosse and United Nations Environment Programme (UNEP) Regional

Office for West Asia (ROWA) programme officer Dr. Abdul Majid Haddad. The NOGA General Secretary Dr. Ahmed Ali Al Sharyan and Engineer Hussain Makki, Acting Director of Studies and International Relations attended the meeting.

The Minister welcomed the delegation and praised their work of preliminary assessment in order to prepare a programme to manage carbon in the oil sector companies, including an inventory of greenhouse gases and other essential reports.

Dr. Mirza said the meeting followed the directives of the wise leadership of the Kingdom of Bahrain to follow up the implementation of the 21 session of the United Nations Framework Convention on Climate Change meeting held in Paris, which set out measures for committed member states to reduce greenhouse gases on a global scale and a commitment to issue a status report every 5 years.

Dr. Al Sada: Current Oil Price -Not Sustainable-



In the context of current oil price, which has fallen 18% since the beginning of 2016, “Current price of oil is not sustainable and hence it should change” said Qatar’s Energy

and Industry Minister HE Dr. Mohammed Bin Saleh Al Sada.

He added that the current level of oil price is below a lot of conventional oil production cost, let alone non-conventional oil. Its unsustainability therefore manifested itself visibly by a huge drop of investment estimated to be USD130 Billion (20%) in 2015 alone followed by 16% in 2016.

To date, since the beginning of the drop in mid-2014, it is estimated that USD380 Billion of investment has been deferred in the oil & gas sector projects running till 2020. It is

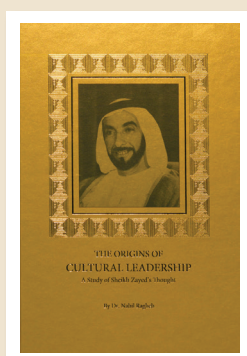
likely that this cut in capital expenditure is likely to go up if oil price remains in the current range, HE Dr. Al Sada noted, adding that it is the first time we have witnessed two consecutive years of such a huge cut in investment during the past 2 decades.

Impact of this substantial drop in investment is already beginning to be seen in a drop in Drilling rigs world wide – conventional and non-conventional, especially the US. It is bound to manifest itself down the road, while world demand is increasing annually, he said.

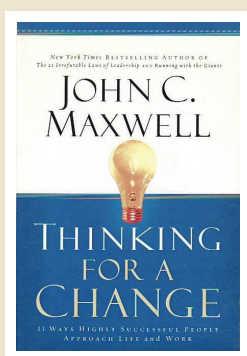
Knowledge Management



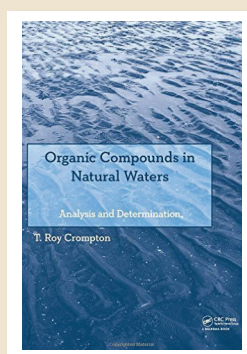
Books are available for employees to borrow from DEWA's Knowledge Centres in Al Qouz, Warsan, and Al Qusais. For further information or assistance please email us at knowledgecentre@dewa.gov.ae



Title: The Origins of Cultural Leadership. A study of Sheikh Zayed's Thought
Author: Dr. Nabil Ragheb
Language: English
Pages: 322 pages
Availability: Al Quoz Knowledge Centre
Brief: Originally written in Arabic by Adnan Al Abdullah, the book presents English language readers with a reading in the thoughts of the late founder of the United Arab Emirates, Sheikh Zayed bin Sultan Al Nahayan. The book sheds light on the role the thoughts of Sheikh Zayed played in the renaissance of the United Arab Emirates over the years. It has several quotes of the founder of the UAE, along with speeches and statements he delivered on numerous occasions.



Title: Thinking for a Change
Author: John C. Maxwell
Language: English
Pages: 266 pages
Availability: Al Quoz Knowledge Centre
Brief: Good thinking. It's the one thing all successful people have in common. People who achieve their dreams understand the critical relationship between their level of thinking and their level of progress, and they know that when thinking is limited, so is potential. John C. Maxwell explores the idea and identifies the specific skills people need to make their potential for success explode into reality. From focused and creative thinking to thinking for the big picture and the bottom line, he provides examples of effective thinking for every situation.



Title: Organic Compounds in Natural Waters
Author: T. Roy Crompton
Language: English
Pages: 295 pages
Availability: Warsan Knowledge Centre
Brief: The potential health hazards that might arise from the presence of organic substances in water are a matter of increasing concern to the water industry, environmentalists and the general public. This book draws together and systematises the vast body of information available on the occurrence and determination of organic substances in natural waters. It is an essential reference for analytical chemists working in industry, water utilities, government & non-government organisations and regulatory agencies and environmental & analytical consultants.



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