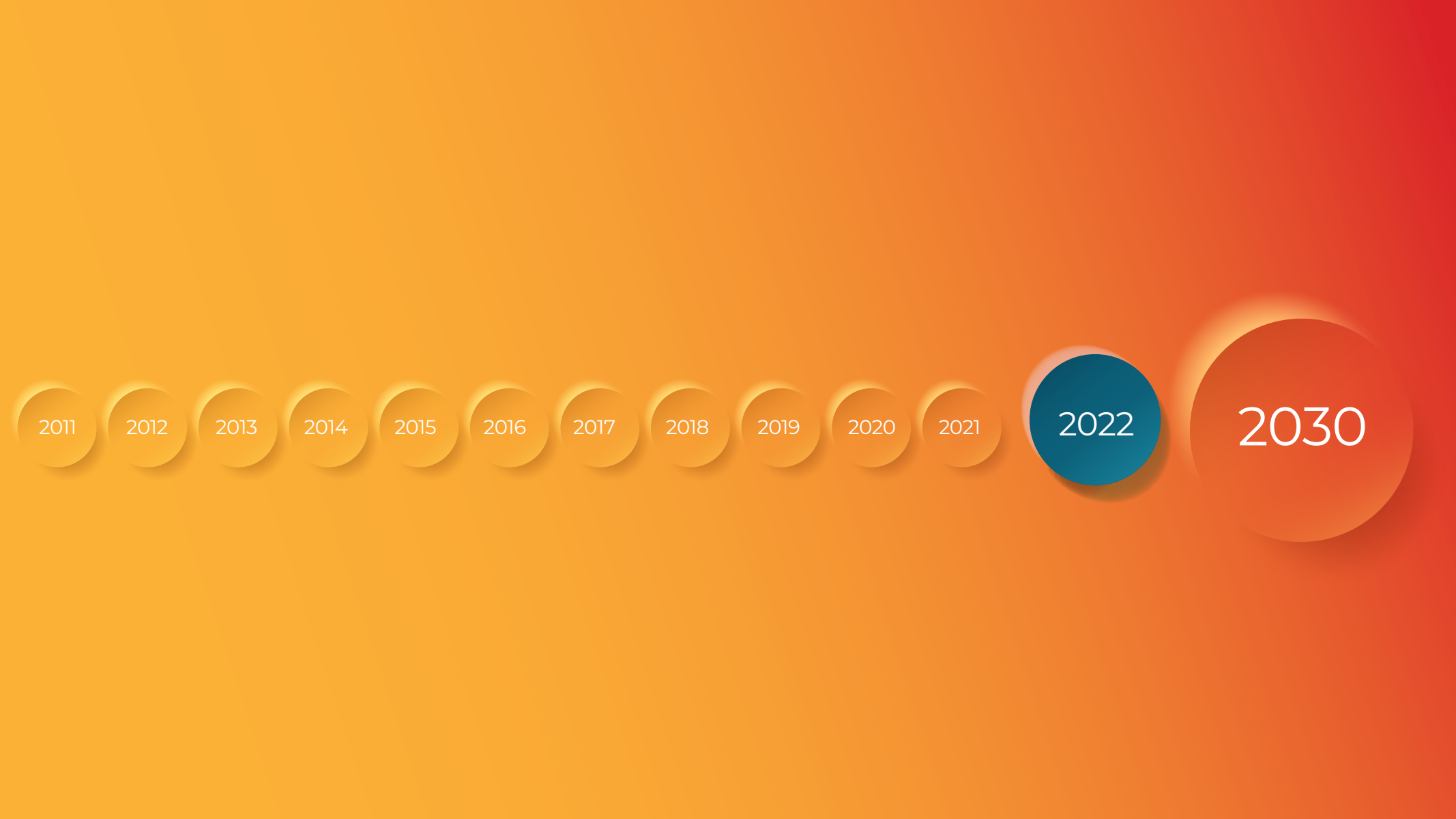
حكومة دبي
GOVERNMENT OF DUBAI

المجلس الأعلى للطاقة
Supreme Council of Energy

Dubai Demand Side Management Strategy

2022 Annual Report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H.H Sheikh Mohamed bin Zayed Al Nahyan

President of the United Arab Emirates

HH Sheikh Mohammed bin Rashid Al Maktoum

Vice President and Prime Minister of
the United Arab Emirates and Ruler of Dubai

ABOUT THE DUBAI SUPREME COUNCIL OF ENERGY

المجلس الأعلى للطاقة
Supreme Council of Energy

The Dubai Supreme Council of Energy was formed in August 2009 under Law 19 of 2009, issued by His Highness Sheikh Mohammed bin Rashid Al Maktoum, Vice President and Prime Minister of the UAE, and Ruler of Dubai. His Highness Sheikh Ahmed bin Saeed Al Maktoum was appointed Chairman for the Council, His Excellency Saeed Mohammed Al Tayer as Vice Chairman, and His Excellency Ahmad Al Muhairbi as Secretary General.

The Council consists of the following members: the Director General of the Department of Petroleum Affairs, the President and Chief Executive Officer of DUBAL Holding, the Chief Executive Officer of Emirates National Oil Company and a single representative from the Dubai Supply Authority, Dubai Petroleum Establishment, Dubai Municipality, Dubai Nuclear Energy Committee and Roads and Transport Authority.

The Council has an Advisory Committee from competent and specialised workforce.

The Governing body seeks to ensure that the Emirate's growing economy will have sustainable energy while preserving the environment. The Authority is developing alternative and renewable energy sources for the Emirate, while increasing energy efficiency to reduce demand.

Under the visionary guidance of His Highness Sheikh Mohammed bin Rashid Al Maktoum, the Dubai Integrated Energy Strategy 2030 was developed in 2010 and deployed in 2011 to set the strategic direction of Dubai towards securing sustainable supply of energy and enhancing demand efficiency (for electricity, water and transportation fuel).

2030

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1 DSM DIRECTORATE FOREWORD

DSM DIRECTORATE FOREWORD

This report presents the progress and performance of the Dubai Demand Side Management (DSM) Strategy 2030 for 2022.

The DSM Strategy plays an important role in the sustainable growth of Dubai and is evermore important in light of the UAE's Net Zero by 2050 commitment.

The strategy aims to deliver 30% annual savings in electricity and water by 2030 compared to the business as usual consumption, as well as fuel savings from efficient vehicles.

By the end of 2022, the DSM Strategy implementation resulted in **8.1** TWh of annual electricity savings and **16.1** billion imperial gallons of annual water savings, corresponding to **14.5**% and **11.3**% of the baseline consumption, respectively. The achieved electricity and water savings surpass the set targets for the year.

As most programmes are rapidly expanding, the results show a substantial growth from the savings achieved in 2021, an increase of 25% for electricity and 29% for water.

Avoided cost in generation capacity and natural gas consumption from DSM electricity and water savings since the initiation of the strategy in 2011, are estimated at around AED 11.5 billion.

These important achievements are a combination of efforts from all programme owners, who are committed to annual targets and a roadmap that extends to 2030, and for whom the DSM Strategy is increasingly becoming part of their core activities.

This report is a testament to the real impact of the DSM Strategy. It is generating real savings, improving awareness, building capabilities, and developing the energy efficiency market. The ongoing support received from the Dubai leadership and institutions gives confidence that the ambitious goals of the DSM Strategy will be achieved.

2 OBJECTIVES AND SCOPE OF THIS REPORT

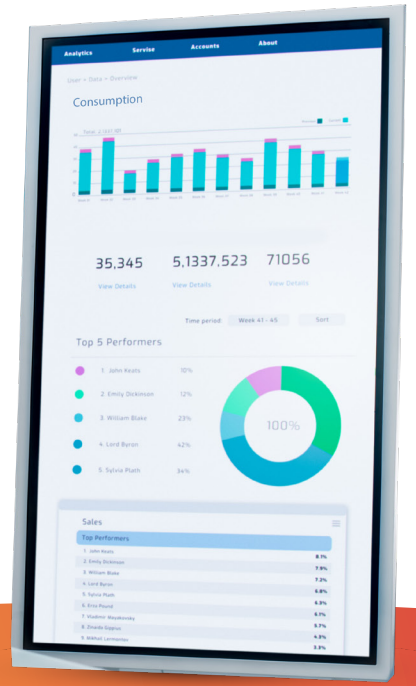
OBJECTIVES AND SCOPE OF THIS REPORT

The objective of this report is to present the progress and performance of the Dubai Demand Side Management (DSM) Strategy 2030: a strategy spearheaded by the Dubai Supreme Council of Energy (DSCE), implemented by key government entities in Dubai, and supported by a dedicated Program Management Office.

The report comprises a description of the DSM Strategy, and a presentation of the achievements in 2022. It highlights achievements in electricity and water savings attained from implementing DSM programmes in comparison with pre-set target savings, along with other performance indicators, such as reductions in per capita consumption and monetary benefits of the strategy.

Data presented in this document are the result of a reporting system that the DSCE maintains in collaboration with the DSM programme owners: Dubai Electricity and Water Authority, Dubai Municipality, Roads and Transport Authority, the Regulatory and Supervisory Bureau for Electricity and Water in Dubai, Etihad Energy Services,Ministry of Industry and Advanced Technology (MoIAT) and Dubai Free Zone Council (DFZC).

Note that the results reported are based on the most recent data available at the date of report publication. As DSM measurement and verification is a continuous improvement process, annual reports may include changes in reported historical figures year to year.



3 CONTEXT AND OVERVIEW OF THE DSM STRATEGY

3.1 POLICY CONTEXT

The Demand Side Management (DSM) Strategy is part of the Dubai Integrated Energy Strategy (DIES) 2030, whose main goals are to secure Dubai's uninterrupted energy supply and moderate its growing electricity and water demand (see exhibit 1).

Optimising energy demand is a strategic priority for Dubai to reduce the need for next generation capacity and free up resources for strategic investments that promote economic growth. At the same time, DSM supports the growth of a green economy and the creation of green jobs and evolution of green job growth aligns with smart city objectives through the employment of smart technology, and contributes to a safer environment by reducing carbon emissions.

Exhibit 1: Demand Side Management Strategy as part of the Dubai Integrated Energy Strategy 2030

Building on the success of DSM Strategy implementation since 2013, the Dubai Supreme Council of Energy (DSCE), in collaboration with relevant stakeholders, refreshed the strategy in 2019 to ensure new developments in Dubai's social and economic landscapes are reflected and to address the need for evolving DSM measures and programmes. In fact, the Updated DSM Strategy aligns with the Dubai 50-year Charter and Dubai's Eight Principles of Governance announced by His Highness Sheikh Mohammed bin Rashid al Maktoum, Vice President and Prime Minister of the UAE and Ruler of Dubai, and supports the Dubai Integrated Water Resources Management Strategy 2030, the Dubai Green Mobility Initiative as well as well other key national and local strategies and policies.

The Updated DSM Strategy was officially announced in January 2020 by H.H. Sheikh Ahmed bin Saeed Al Maktoum, Chairman of DSCE through "Directive No. 1 of 2020 on the Updated Dubai Demand Side Management (DSM) Strategy 2030" (see exhibit 2). The implementation period for the Updated Strategy is from 2020 to 2030.

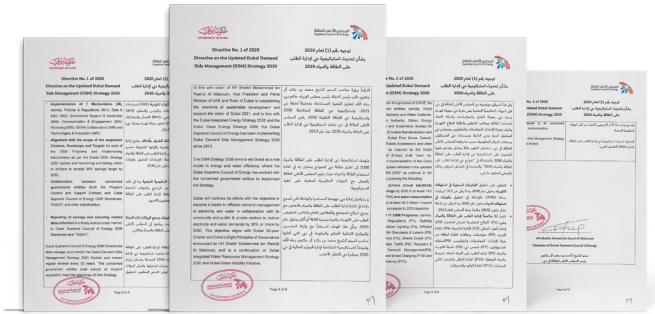


Exhibit 2: DSCE Directive No.1 of 2020 on the Updated DSM Strategy 2030

3.2 DEMAND SIDE MANAGEMENT STRATEGY AND TARGETS

DSM Strategy

The DSM Strategy 2030 reinforces Dubai's goal of becoming a leader and role model in energy and water efficiency and comprises eleven programmes that address different aspects of electricity and water consumption in Dubai. Programmes are supported by seven implementation mechanisms, to stay on track through policies and regulations, data and measurement and verification, government support & leadership, boost programs through communication & engagement, and financing, and accelerate Dubai's translation into a smart city (see exhibit 3 and 4).

Exhibit 3: Architecture of the Dubai Demand Side Management Strategy

	Programme	Scope
1	Green Building Regulations	Increase energy and water efficiency in new buildings through building regulations and compliance (positioning Dubai to transition towards NZEB in the long-term)
2	Building Retrofits	Retrofit existing building stock & infrastructure with electricity & water efficiency measures
3	Outdoor Lighting	Adopt high efficiency lighting in public spaces in Dubai
4	Efficient Cooling	Promote efficient cooling technology use in Dubai buildings
5	Standards & Labels	Drive adoption and compliance with Minimum Energy Performance Standards (MEPS) and labels for airconditioners (ACs), home appliances and industry equipment in Dubai
6	Consumer Behaviour	Engage main user groups (residential and commercial) in electricity and water conservation through the promotion of smart devices and appliances delivered through new business models in Dubai
7	Shams Dubai	Promote use of building-level solar energy systems across Dubai building stock
8	Tariffs	Adjust tariff structure to be cost reflective, promote energy efficiency and give the right signal to reduce consumption
9	Recycled & Ground Water Demand Management	Promote recycled and ground water management based on network expansion and use of recycled water in line with the Integrated Water Resource Management Strategy (IWRMS)

Exhibit 4.A: Scope of the Dubai Demand Side Management Strategy programmes

	Implementation Mechanism	Scope
1	Policies and Regulations	Enforce policies and regulations to drive the implementation of the updated DSM Strategy
2	Data and M&V	Ensure proper measurement, evaluation and monitoring of DSM savings to assess performance against targets. Consider the implementation of verification element
3	Government Support and Leadership	Ensure that Government entities lead-by-example the implementation of the updated DSM Strategy
4	Communication and Engagement	Develop and execute general and targeted information campaigns as well as education, home reporting and labelling schemes to change consumers' behaviour
5	Financing	Develop financing mechanisms that support the implementation of DSM initiatives in Dubai
6	DEWA Collaboration	Leverage DEWA's activities in developing Smart Grid capabilities, consumer analytics, sustainable consumer behaviour and technology research
7	Technologies and Innovation	Introduce and localize new efficient technologies and conduct key studies for DSM and enable DSCE to play a leadership role in supporting Dubai overall sustainability and smart cities strategy

Exhibit 4: B. Dubai Demand Side Management Strategy Implementation Mechanisms

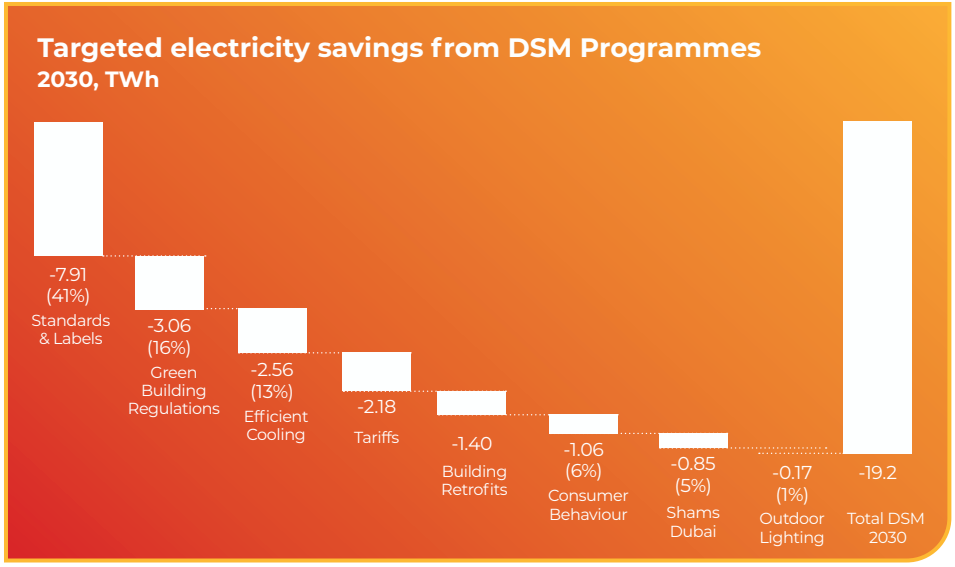
DSM Targets

The Government of Dubai remains committed to achieving ambitious electricity and water savings by implementing the 11 DSM programmes. Dubai targets overall electricity savings of about 19.2 TWh and water savings of 46.3 billion imperial gallons, which correspond to 30% savings versus business as usual by 2030 (see exhibit 5).

THE DSM STRATEGY TARGETS

30% SAVINGS BY 2030

VS. BUSINESS AS USUAL



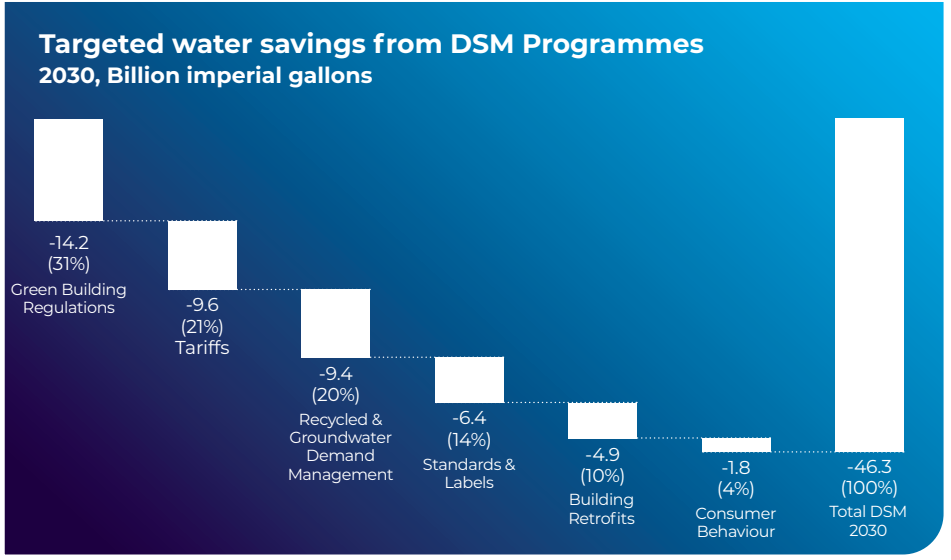


Exhibit 5: Electricity and water saving targets of the Dubai Demand Side Management Strategy 2030

3.3 INSTITUTIONAL FRAMEWORK

Exhibit 6: Governance structure of the Dubai Demand Side Management Strategy

The DSM Strategy is managed by the DSCE, the policymaking entity for Dubai's energy sector. The DSCE is chaired by His Highness Sheikh Ahmed bin Saeed Al Maktoum and comprises top executives from key Dubai Government institutions, namely: Dubai Electricity and Water Authority (DEWA), Roads and Transport Authority (RTA), Dubai Municipality (DM), Emirates Global Aluminium (EGA), Emirates National Oil Company (ENOC), Dubai Supply Authority (DUSUP), Dubai Petroleum Affairs, Dubai Petroleum Establishment (DPE), and Dubai Nuclear Energy Committee.

The DSM Executive Committee, chaired by the DSCE and comprising senior representatives from all programme owner entities, provides direction and ensures collaboration between key DSM related entities. On the date of publication of this report, members of the DSM Executive Committee are:

HE Ahmad Al Muhairbi
Secretary General, DSCE
Chairman

Faisal Ali Al Rashid
DSM Senior Director, DSCE
Member

Dr. Waleed Al Nuaimi
CEO, Etihad Energy Services
Member

Joyce Honeine
DSM Programme Management Office, DSCE

Dr. Yousef Al Saadi
Director, Conformity Affairs, MoIAT
Member

Yousef Al Marzooqi
Director, Standards & Regulations, MoIAT
Member

Saeed Safar
Director, Waste Strategy & Projects, DM
Member

Aisha Al Mulla
Manager of Research & Building Systems, DM
Member

James Grinnell
Acting Executive Director
Regulatory & Supervisory Bureau for Electricity and Water in Dubai
Member

Mohammed Al Shamsi
Chief Officer, Climate Change & Sustainability, DEWA
Member

Sultan Al Zaabi
Sr, Manager - Demand Management & Tariff. DEWA
Member

Jason Pratt
Director, Health Safety and Environment, DP World
Member (on behalf of Dubai Free Zones Council)

Nabil Ahmad
Director of Roads, RTA
Member

Samer Khoudeir
Chief Sales and Marketing Officer, Empower
Member

Alia Busamra
Chief Sustainability & Climate Change Officer, ENOC
Member

The DSCE DSM Directorate houses the Program Management Office for the DSM Strategy, established to manage the implementation of the DSM Strategy and to provide implementation support to Program Owners.

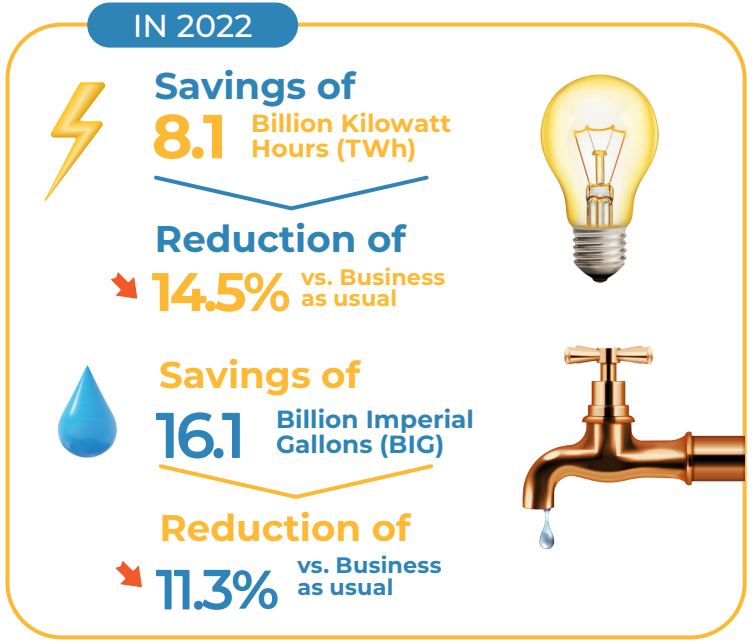
Programme Owner or Owners, is/are assigned for each DSM programme, and is/are responsible for executing the programme and managing its day-to-day operations. The entities are selected based on mandate and reach, and focused on delivering results and addressing challenges specific to the programme (see exhibit 6). In addition, support entities are also assigned to programmes as needed.

4 DSM STRATEGY PERFORMANCE

4.1 ELECTRICITY AND WATER SAVINGS

Overall Savings

The Demand Side Management (DSM) Strategy continues to produce positive results in 2022. At the end of 2022, DSM programmes have exceeded both electricity and water targets and saved **8.1** TWh of electricity and **16.1** billion imperial gallons (BIG) of water. Compared to business as usual consumption, which is the reference for the 30% by 2030 target, those savings represent **14.5%** and **11.3%** of the total baseline consumption for electricity and water, respectively (see exhibit 7).



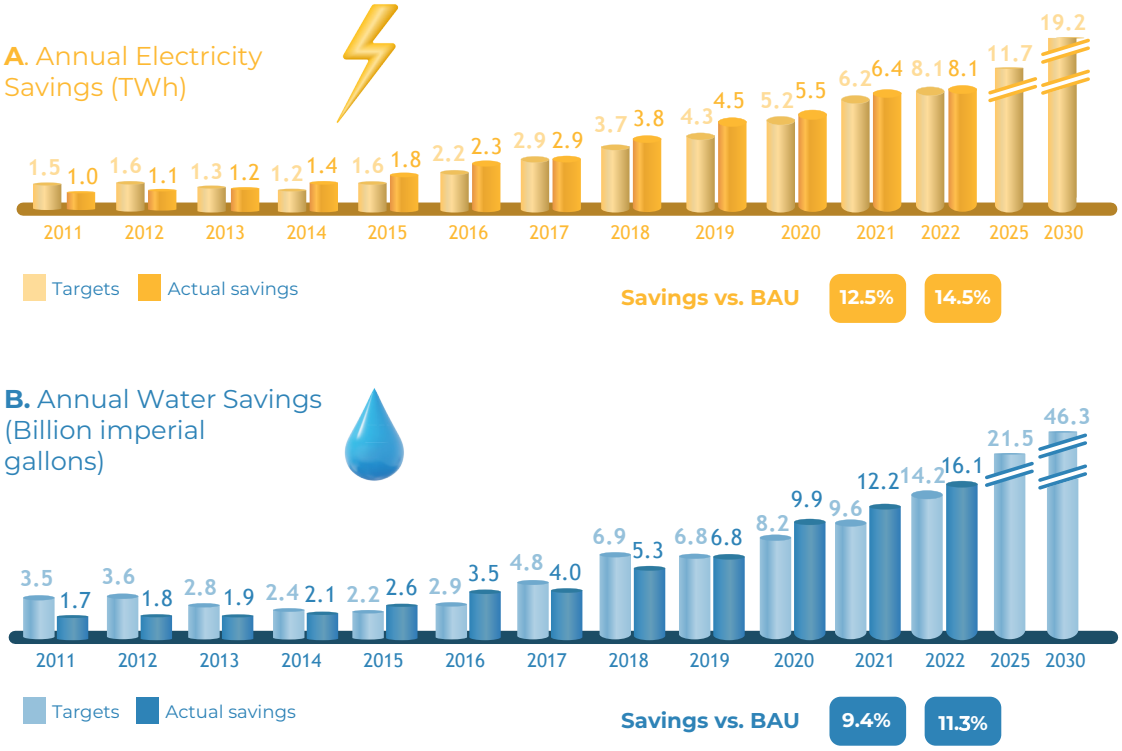


Exhibit 7: Actual annual savings achieved from the implementation of the Dubai Demand Side Management Strategy programmes, versus target savings (A. Annual electricity savings B. Annual water savings)

Contribution of DSM Programmes to Savings

In terms of programme contribution to savings, contribution from individual DSM programmes continues to increase, as compared to 2011, where all savings were attributed to tariffs. In 2022, standards and labels and green building regulations are the largest contributors to DSM savings accounting for more than 55% of electricity savings and 71% of water savings.

Exhibit 8: Contribution of programmes to the total Dubai DSM Strategy savings (in %, 2022)

A. Annual Electricity Savings by DSM programme

DSM Programme	2022 Savings GWh	2022 Target (GWh)	2022 Savings vs. Target	2021 Savings (GWh)	2022 vs 2021 Savings (%)	Comments
Green Building Regulations	1,928	869	+122%	1,320	+46%	Savings based on commissioned green building data received by DM, Trakhees, DSO and DDA
Building Retrofits	670	598	+12%	531	+26%	Savings result from electricity retrofits executed by Etihad Energy Services (Etihad ES) and accredited energy services companies (ESCOs) in Dubai
Outdoor Lighting	52	58	-10%	46	+13%	Savings include outdoor lighting installations and retrofits executed by RTA, Dubai Municipality (DM), and selected Free Zones. Deviation from target due to missing data from some Free zones
Efficient Cooling	1,088	654	+66%	744	+46%	Savings based on data received from the five main district cooling operators in Dubai through RSB.
Standards and Labels	2,499	3,325	-25%	2,144	+17%	Savings result from enforced energy efficiency standards by MoIAT for unit air conditioners (mostly), indoor lighting, refrigerators, washing machines, dishwashers and water heaters
Consumer Behaviour	**82**	346	**-76%**	43	+93%	Savings result from DEWA My Sustainable Living Programme (MSLP), smart devices part of the programme (owned by Etihad ES) not yet activated
Shams Dubai	668	369	+81%	459	+46%	Savings result from connected capacity of 493 **MWp** in 2022
Tariffs	1,161	1,877	-38%	1,177	-1%	Savings results are due to a) targets that assume a tariff update in 2022, which did not happen and is not planned in the foreseeable future, b) other programs producing higher than targeted savings.
Total	**8,148**	8,096	0%	6,460	**+26%**	
Total vs. BAU	14.5%			12.5%		

Exhibit 9.A: Actual annual electricity savings by programme of the Dubai Demand Side Management Strategy in 2022, in comparison to 2022 targets and 2021

Note: Results reported are based on the most recent data and knowledge available; historical results may be altered due to changes in assumptions and/ or new data availability.

B. Annual Water Savings by DSM programme

DSM Programme	2022 Savings MIG	2022 Target (MIG)	2022 Savings vs. Target %	2021 Savings (MIG)	2022 vs 2021 Savings (%)	Comments
Green Building Regulations	5,049	2,643	+91%	3,624	+39%	Savings based on commissioned green building data received by DM, Trakhees, DSO and DDA
Building Retrofits	432	1,008	-57%	347	+25%	Savings based on water retrofits carried out by Etihad ES and accredited-ESCOs; 2022 target not met due to general slowdown in retrofit projects and low focus on deep water retrofits in retrofit projects
Standards and Labels	6,249	2,809	+122%	4,575	+37%	Significant increase in savings result mostly from enforcement of efficiency standards for water fixtures
Consumer Behaviour	416	624	-33%	202	+106%	Savings result from DEWA My Sustainable Living Programme (MSLP), smart devices part of the programme (owned by Etihad ES) not yet activated
Tariffs	2,248	5,652	-60%	2,084	+8%	Savings results are due to a) targets that assume a tariff update in 2022, which did not happen and is not planned in the foreseeable future, b) other programs producing higher than targeted savings.
Recycled & GW Demand Management	1,747	1,491	+17%	1,456	+20%	Savings from water efficiency measures applied to the irrigation of public landscapes by Dubai Municipality, use of treated water instead of desalinated water in other applications such as district cooling
Total	16,141	14,227	+12%	12,288	+31%	
Total vs. BAU	11.3%			9.4%		

Exhibit 9.B: Actual annual water savings by programme of the Dubai Demand Side Management Strategy in 2022, in comparison to 2022 targets and 2021 results
Note: Results reported are based on the most recent data and knowledge available; historical results may be altered due to changes in assumptions and/ or new data availability.

Reduction in Consumption per Capita

Per capita consumption confirms the positive impact of the DSM programmes. Looking at long term trends, since the inception of the DSM Strategy, consumption per capita has decreased by 17% for electricity and 19% for water compared to 2010 consumption (baseline)

1. Annual population used in the calculation is an estimate of the average Dubai population taking into account residents of Dubai, and a weighted contribution from people working in Dubai but residing in neighbouring emirates and from tourists.

2. Total consumption used is the consumption at end-user level and excludes power stations and desalination auxiliaries, as well as losses in the transmission and distribution networks.

	2022 Consumption per Capita	% Change vs 2010	CAGR (2010-2022)
Electricity	11,382 KWH	-17%	-1.5%
Water	31,847 IG	-19%	-1.8%

Exhibit 10: 2022 Electricity and water consumption per capita, change vs. 2010 and compounded annual growth rate (CAGR) 2010-2022

4.2 CARBON ABATEMENT AND COST SAVINGS

Reduction in Carbon Emissions

An important impact of savings on electricity and water consumption is the reduction in carbon dioxide (CO_2) emissions resulting from avoided electricity and water generation, which today relies in large part on non-renewable sources. In fact, since 2011, the DSM strategy implementation has resulted in 17.3 Million Metric tons of avoided CO2 emissions equivalent to 1.6 Million cars taken out of Dubai roads for 2 full years.

SINCE 2011

Avoided CO_2 Emissions
(in Million Metric Tons)

17.3 Million Metric Tons of CO_2

Equivalent to

1.6 Million cars taken out of Dubai roads for **2 full years**

Monetising Demand Side Management Savings

Savings in electricity and water consumption from the DSM Strategy lead to economic savings in the form of avoided cost and freed up resources that can be diverted to other purposes.

The benefits of the DSM Strategy are determined as part of a Total Resource Cost (TRC) Test, i.e., from the perspective of all participants, including DSM programme owners (with DEWA as both utility and programme owner), implementing entities (developers, ESCOs, district cooling operators), and end users (DEWA customers).

Reduced demand in electricity and water since strategy initiation in 2011 and up to 2022, translate into approximately AED 11.5 billion: AED 2.4 billion of avoided capital investments and AED 9.1 billion of avoided operational costs. This is the equivalent of 8 x 200MW open cycle turbine units and more than 325,000 million standard cubic feet of natural gas.

Since 2011

Saved

11.5 Billion AED in operational costs and capital investments

Equivalent to

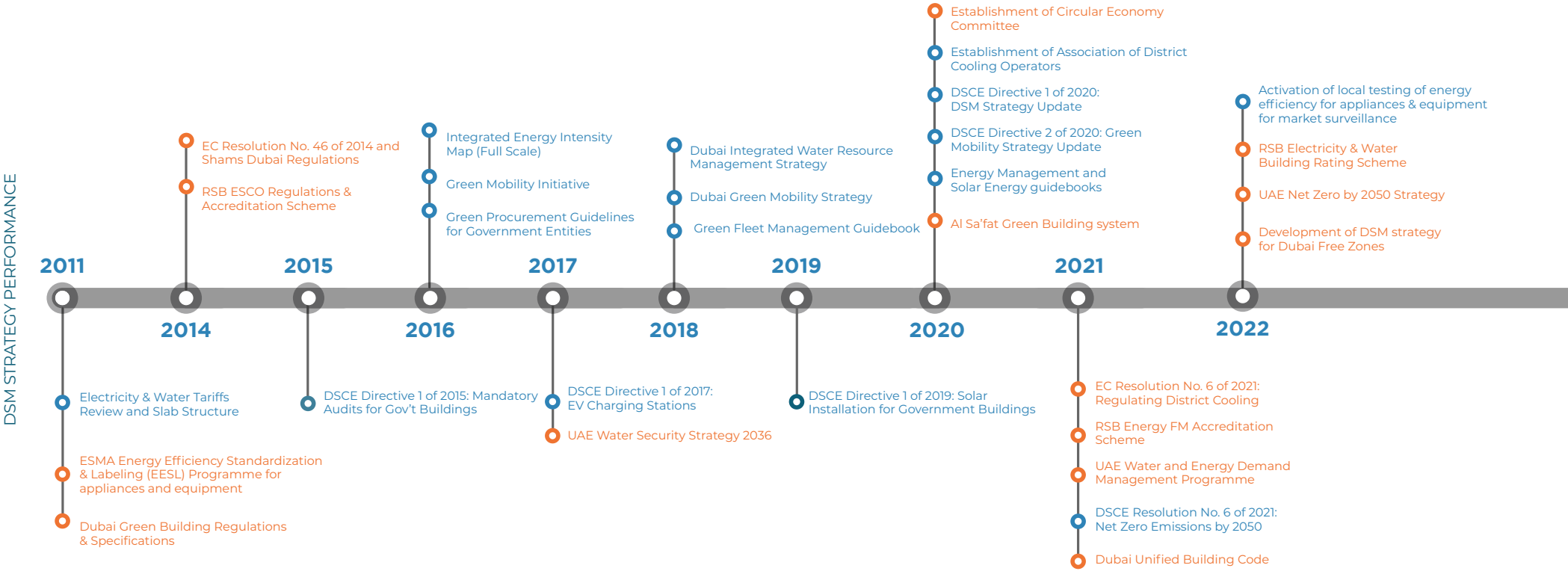
325,000 Million Standard Cubic Feet (MSCFT) of natural gas

8 x 200 Megawatt open cycle gas turbine units

In addition to its direct benefits, the DSM Strategy brings several indirect benefits to Dubai. This more extended set of advantages includes, environmental conservation, positive impact on residents' health, job creation, reinvestment of saved resources, and higher attractiveness to investors resulting from a more sustainable and efficient city.

With all the valuable environmental, socio-economic, and financial benefits, Dubai Government is strongly committed to addressing any challenges the DSM Strategy may face along the way.

4.3 DSM SUCCESS ROADMAP (2011-2022)



Legend: Led by DSCE Supported by DSCE

Exhibit 11: Timeline of main Dubai Demand Side Management policies from 2011 to 2022

4.4 DSM KEY ACHIEVEMENTS

Green Building Regulations
>50,000
Green buildings

Building Retrofits
>5,400
Buildings and villas retrofitted with energy efficiency measures

Outdoor Lighting
>40,000
LEDs installed in roads and parks

Efficient Cooling
0.851 KWh/TRh
Actual district cooling efficiency

Standards & Labels
36%
Share of 4 and 5 star ACs

Shams Dubai
>493 MWp
of Solar rooftop capacity installed

Tariff Rates
100%
Smart Meters in Dubai

Recycled and Ground Water Demand Management
100%
Public green areas irrigated with treated sewage effluent

Efficient Mobility & Smart Charging
>28,000
Registered green vehicles (hybrid and electric)

>50%
electric vehicles out of total green vehicles

>350
Public Electric Vehicle Chargers

Exhibit 12: DSM Key Program Achievements Until End of 2022

4.5 AWARENESS INITIATIVES

MY ENERGY, MY RESPONSIBILITY

The ‘My Energy, My Responsibility’ campaign, launched by DSCE in May 2018 seeks to encourage general members of the community to be responsible for their energy resources through cutting down usage, constant monitoring of consumption patterns and promoting energy efficiency behaviours.

The campaign is a joint government effort that brings Dubai Government’s energy efficiency campaigns under one umbrella and aims to encourage and support Dubai residents to adopt energy efficient practices and behaviours. The campaign is supported by various government entities, namely DEWA, Dubai Municipality, RTA, Etihad ES, Empower and others.

As part of the initiative, a one-stop shop website is made available to the general community to provide information on energy efficiency, along with measures that can help reduce their energy consumption. The website is continuously updated with new resources, such as guidebooks, calculators, marketing materials, updates on initiatives related to energy efficiency, etc.

The website is organized into two sections: At Home and At Work with relevant materials for different target segments and sectors (e.g. residential, government, commercial, and industrial).

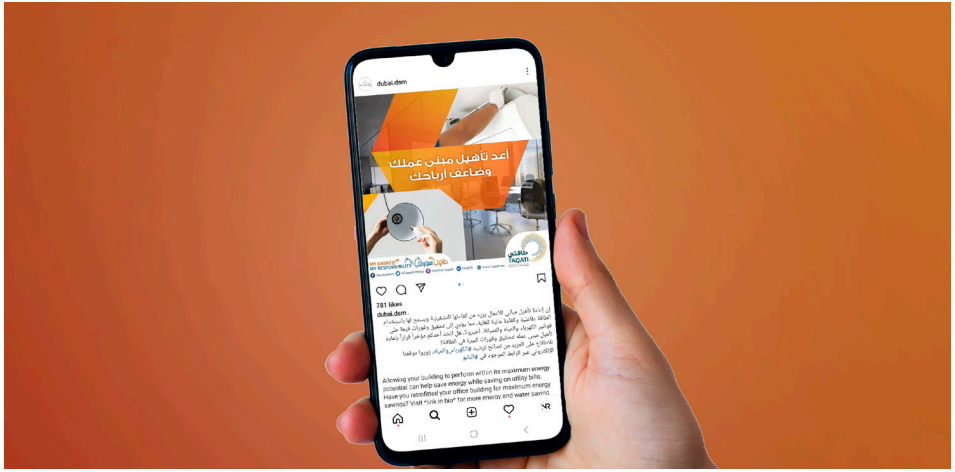
SOCIAL MEDIA CAMPAIGN

Energy efficiency tips and information are also available in images and videos through DSCE DSM Directorate social media platforms.

In addition, other program owners, namely DEWA have their own awareness social media campaigns such as Green Summer to raise awareness of energy efficiency.

AWARENESS CAMPAIGNS BY DSCE PARTNER ENTITIES

Other government entities, particularly DEWA run their own awareness campaigns targeting energy efficiency such as “Let’s Make This Summer Green” Campaign, Ideal Homes and Earth Hour events.



AWARENESS GUIDEBOOKS

A. Energy Management Guidebook

The Energy Management Guidebook provides a practical and systematic approach to formulating and implementing effective energy management. The guidebook is tailor made for Dubai and aims to serve as a tool for organisations across sectors (government, commercial, industrial, etc.) seeking to improve energy performance. It can be used by top management, operations or facilities managers, engineers, or others embarking on their energy conservation and management journey.

B. Solar Guidebook

The guidebook outlines the general process of planning a solar project. The steps outlined are not intended to replace the need for a professional consultant or contractor enrolled with Dubai Electricity & Water Authority (DEWA), but to facilitate understanding prior to hiring technical experts.

The guidebooks are available for download on the My Energy My Responsibility website.

EVENTS AND CONFERENCES

Events and conferences are ideal forums for improving awareness on energy efficiency and green mobility. Notable events with DSCE participation include WGES, WETEX, WFES, as well as sector specific events and panels.

5 DSM PRIORITIES MOVING FORWARD

DSM PRIORITIES MOVING FORWARD

Strategic priorities that support the scale-up of the DSM programmes and address identified risks to achieving the DSM Strategy saving targets are defined and amended on an annual basis.

For the next 2 years, DSM directorate will focus on the key strategic priorities as follows:

- Review and enhance the Dubai DSM Strategy 2030 in line with UAE and Dubai Net Zero commitments by 2050 in light of innovation in the energy efficiency and DSM landscape in Dubai, the UAE and globally
- Stimulate the retrofit market with a particular focus on water retrofit projects and launch the Building Rating Scheme for existing buildings
- Expand energy efficiency inspections and testing of appliances and equipment categories (e.g. air conditioners, refrigerators, washing machines) to ensure conformity and compliance with energy efficiency regulations and standards set by MoIAT
- Ensure compliance with the newly launched Dubai Unified Building Code in free zone and non free zone areas and launch incentives to exceed the minimum requirements and move towards greener buildings (and net zero buildings in the longer run)
- Encourage participation in RSB's energy building rating scheme and energy manager accreditation scheme
- Finalize and activate the Dubai Free Zones DSM Strategy (currently under development) and ensure effective implementation

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