

## أهم مخرجات الاجتماع الأول لمبادرة الحوار الوطني للطموح المناخي

The main outcomes of the First  
**National Dialogue for Climate Ambition (NDCA)**



ركز الحوار على قطاع صناعة الأسمنت  
المسؤول عن 6% من إجمالي الانبعاثات  
الكربونية في الدولة وذلك بمشاركة

**16 مصنعاً من مختلف  
إمارات الدولة**

The dialogue focused on the cement  
sector, which accounts for 6% of the  
country's total carbon emissions,  
with the participation of

**16 factories across  
various emirates**

المشاركين  
Participants **83**

قطاعات  
Sectors **4**

صناعة الأسمنت  
Cement Industry



النفايات  
Waste



التكنولوجيا المتقدمة  
Advanced Technology



الطاقة  
Energy



The participants proposed **4 initiatives** for the cement sector to achieve net-zero emissions:



Cut down on the amount of clinker used in producing cement and rely on other, environmentally friendly alternatives, such as calcite



Use alternative fuels, such as refuse-derived fuel (RDF), and energy recovery systems



Implement carbon capture, utilization, and storage (CCUS) technologies



Power factories by renewable energy

## The main outcomes of the second National Dialogue for Climate Ambition (NDCA)



### The Energy Sector

**53**

representatives  
from power and  
energy sectors

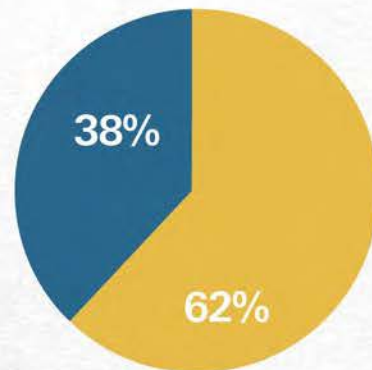
The energy sector  
is a major player  
when it comes to  
reducing more  
than

**60%**

of our  
greenhouse  
gas emissions

#### Baseline Emissions Contribution 2016

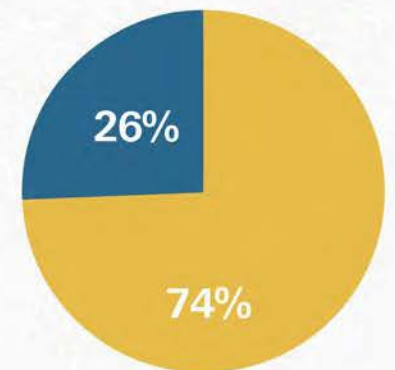
In 2016,  
electricity  
generation was  
responsible for  
62% of UAE  
emissions



■ All Other Sectors  
■ Electricity Generation

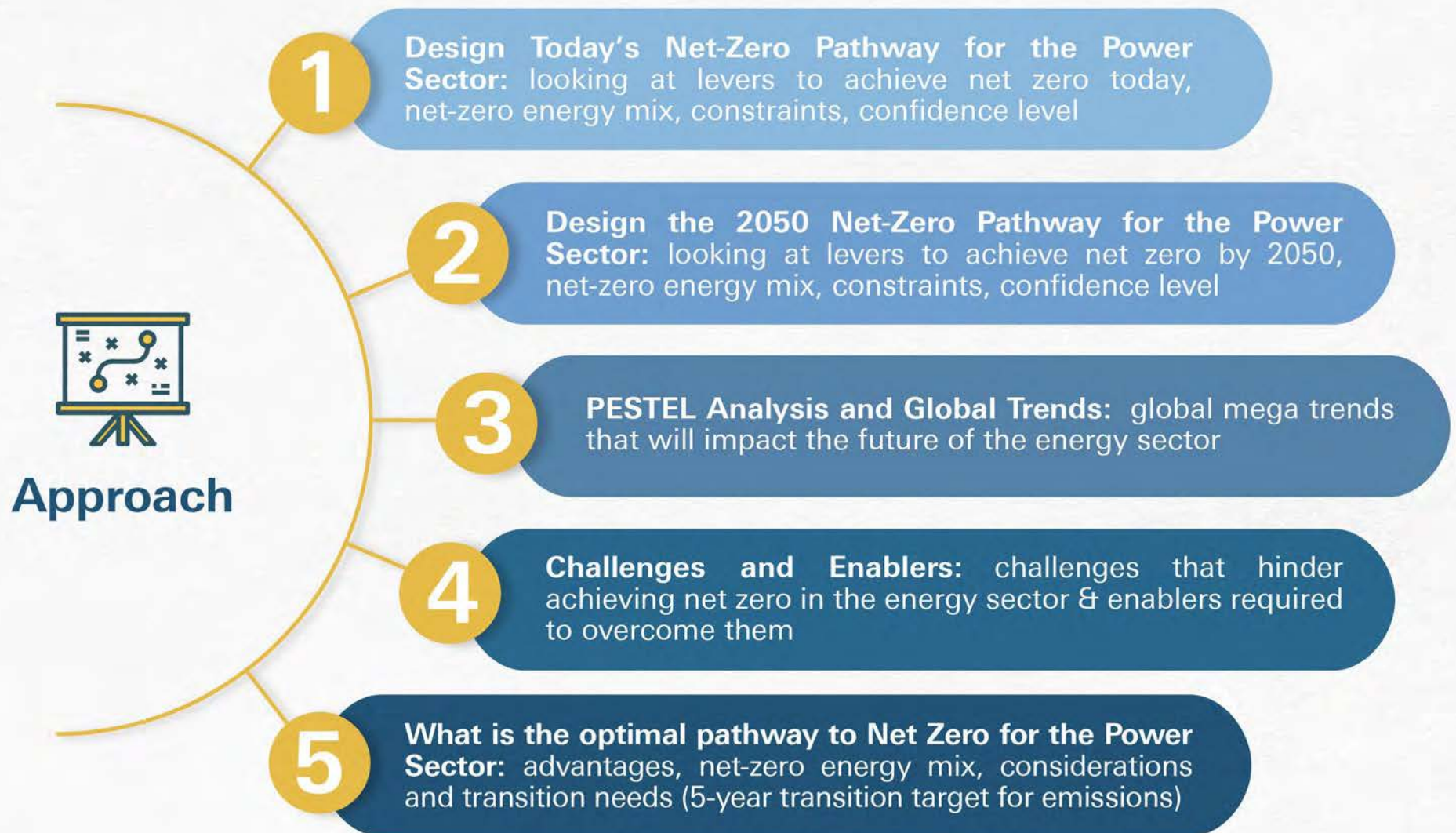
#### NDC Emissions Contribution 2030

By 2030, the  
current strategies  
and plans will lead  
to a significant  
reduction of  
emission  
contribution from  
the power sector



■ All Other Sectors  
■ Electricity Generation

## The main outcomes of the second National Dialogue for Climate Ambition (NDCA)



## The main outcomes of the second National Dialogue for Climate Ambition (NDCA)



### Proposed Initiatives & Enablers

- ▶ Increasing energy efficiency (EE) consistently to manage growing demand
- ▶ Investing in energy storage technologies to promote the use of renewable energy (RE)
- ▶ Maintaining the percentage of power generated by gas with CCUS
- ▶ Expanding the use of hydrogen as a sustainable source of energy
- ▶ Accelerating the deployment of RE (solar)
- ▶ Maximizing the share of nuclear energy in the energy mix
- ▶ Establishing regional interconnection to share access to clean energy
- ▶ Leveraging electrification to tackle hard-to-abate sectors
- ▶ Carbon pricing and trading



### Way forward



Set a roadmap with the power sector to explore the previously mentioned solutions in order to **reduce the CO<sub>2</sub> emissions from the sector**



Work toward accelerating the deployment of existing **energy strategies & plans**



Explore new **sustainable energy sources or carriers**, such as H<sub>2</sub>, as well as technologies<sup>2</sup> like CCUS or storage

## The main outcomes of the third National Dialogue for Climate Ambition (NDCA)



### Finance sector position

**80** representatives

from various banks, financial institutions, and insurance companies

The UAE aims to establish itself as a center for sustainability by

**developing innovative and cutting-edge approaches**

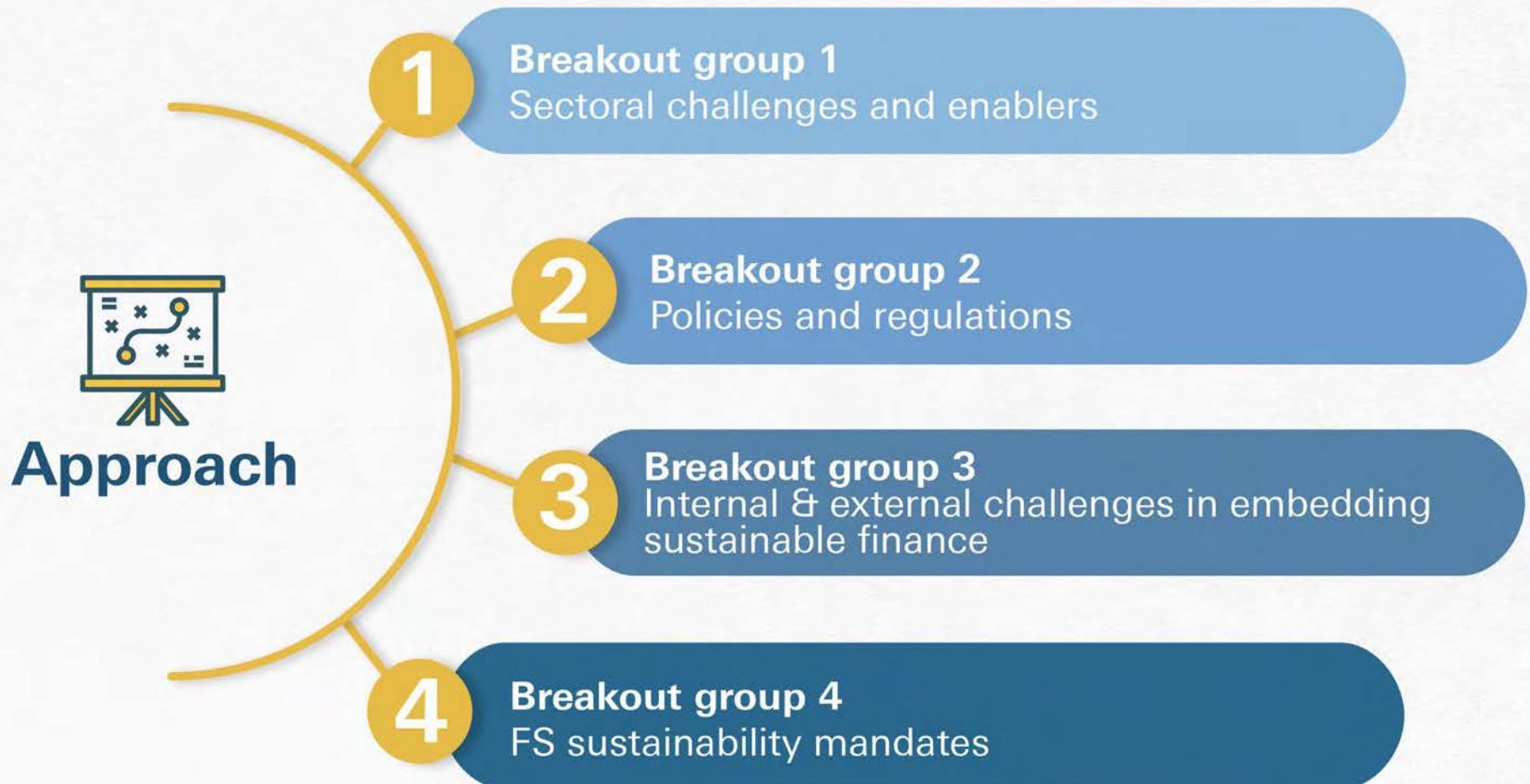
that safeguard the environment and the economy for future generations

\$32 trillion investment across 6 key sectors  
50% of total investments will be in the Electricity industry



Total Finance Required  
Source: Race to Zero – Financing roadmap

## The main outcomes of the third National Dialogue for Climate Ambition (NDCA)



## The main outcomes of the third National Dialogue for Climate Ambition (NDCA)



### Way forward



Developing **ESG** reporting, standards, and regulations



Establishing **partnerships** between financial institutions and specialized bodies



Study **establishing a price** for carbon to help finance projects



Encourage firms to **reach net zero** and provide support mechanisms to help them achieve it



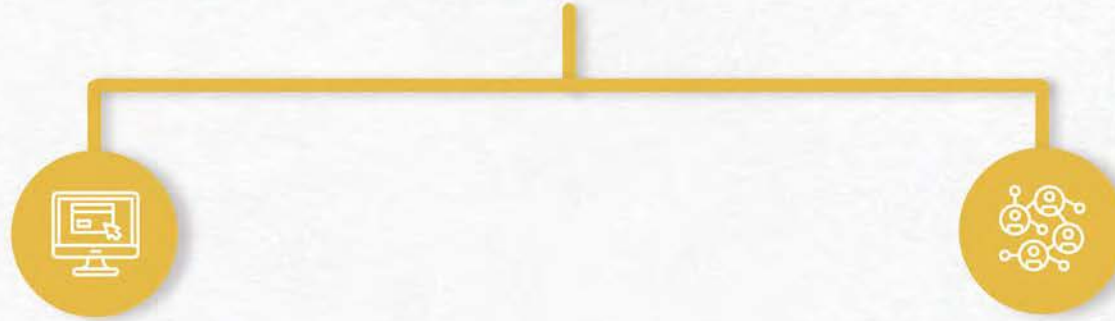
## أهم مخرجات الاجتماع الرابع لمبادرة الحوار الوطني للطموح المناخي

The main outcomes of the fourth  
**National Dialogue for Climate Ambition (NDCA)**

### الخطوات المستقبلية



### Way forward



إنشاء **بوابة ضمن موقع وزارة التغير المناخي والبيئة** لتمكن شركات القطاع الخاص من تقديم تقارير دورية عن انبعاثات غازات الدفيئة وخطط خفضها أو تحقيق الاستدامة

Set up a **portal within MOCCAЕ's website** for private sector companies to submit periodic reports on their GHG emission reduction and sustainability efforts

دعوة الجهات الرئيسية الأخرى **للانضمام إلى التعهد** وإظهار التزاماتهم

Extend the invitation to other key players to **join the pledge** and demonstrate their commitment

## The main outcomes of the fourth National Dialogue for Climate Ambition (NDCA)



### Roadmap to Achieve Net Zero

**73**  
representatives

from the hospitality  
sectors, private sector  
companies in the UAE



jointly commit to be net-zero  
carbon by 2050 align with  
UAE's national ambitions



## The main outcomes of the fourth National Dialogue for Climate Ambition (NDCA)



### CEO pledge Net-Zero 2050

**21**  
companies

based in the UAE had successfully joined the pledge and commit to stepping up our collective efforts to combat climate change by:



## The main outcomes of the 6th National Dialogue for Climate Ambition (NDCA)



### Nature-based Solutions for Climate

**80**  
**representatives**

federal, local government  
entities and private sector  
stakeholders



to align with UAE's national  
ambitions to have net-zero  
emissions by 2050



### National Carbon Sequestration Project

Will enhance  
**blue carbon ecosystems**  
raising the goal of planting  
mangroves at the country level to

**100 million trees**  
by 2030

The Ministry has worked to  
develop an executive plan that  
includes determining the  
**number of mangroves**  
planned to be planted in each  
emirate during the years  
2022-2030

## أهم مخرجات الاجتماع السادس لمبادرة الحوار الوطني للطموح المناخي

The main outcomes of the 6th  
**National Dialogue for Climate Ambition (NDCA)**

الخطوات  
المستقبلية  
الأدوار والمسؤوليات



Way  
forward  
Roles & Responsibilities



# أهم مخرجات الاجتماع السادس لمبادرة الحوار الوطني للطموح المناخي


## The main outcomes of the 6th National Dialogue for Climate Ambition (NDCA)

### الخطوات المستقبلية الأدوار والمسؤوليات



### Way forward Roles & Responsibilities

#### Stakeholders الجهات المعنية



**تنفيذ برامج زراعي** لتحقيق العدد المستهدف من بذور / شتلات المنغروف ضمن الجدول الزمني للمشروع

**Implement plantation programs** to achieve the targeted number of mangrove seeds / saplings within the project timeline




رفع **تقرير دوري** إلى الوزارة عن سير المشروع في كل إمارة

Submit a **periodic report** to the Ministry on the progress of the project in each emirate



تزويد الوزارة بآخر المستجدات **حول أعداد ومواقع وانتشار أشجار القرم** في كل إمارة

Provide the Ministry with **updates on the numbers, locations and spread** of mangroves in each emirate



**المراقبة والمتابعة** المستمرة لحالة أشجار القرم في كل إمارة

Continuously **monitor and follow-up** the condition of mangroves in each emirate



العمل على **مراحل المشروع** المحددة حسب الخطة

Work on the specified **project phases** according to the plan

## The main outcomes of the 7th National Dialogue for Climate Ambition (NDCA)



### Waste Management Sector

**70**  
**representatives**  
federal, local government  
entities and private sector



The event emphasized  
the UAE initiatives in  
**waste management and  
circular economy sector**



### Pledge Signing

**UAE Climate-  
Responsible  
Companies  
Pledge**



By signing this pledge, entities are  
committing to **increase their efforts  
in climate change & decarbonization  
activities** that are supporting the UAE  
Net Zero by 2050 Strategic Initiative

## The main outcomes of the 7th National Dialogue for Climate Ambition (NDCA)



Redefining Climate  
Ambition for the  
**waste management**

### Alignment Pillars

-  Technologies
-  Processes
-  People

### Waste Management Value Chain

-  Collection & Segregation
-  Processing & Treatment
-  Usage & Disposal

### Challenges and Application Areas

- ▶ Ensuring that technologies and processes used in Waste management are low carbon footprint
- ▶ Waste Utilization & charges associated with the use
- ▶ Understanding of circular approach elements and integration processes
- ▶ Optimization of plant processes to reduce waste
- ▶ Waste Collection & Segregation
- ▶ Reduction of waste at source
- ▶ Acceptance and adoption of new technologies
- ▶ Prevention & Minimization



## The main outcomes of the 7th National Dialogue for Climate Ambition (NDCA)



### Redefining Climate Ambition for the **waste management**

#### Opportunities and Recommendations

- ▶ Study the implementation of **Net Zero™** Program across venues, campuses, offices
- ▶ **Taxing on landfill use**, study in coordination with the stakeholders, the introduction of tax
- ▶ **Education, webinars and school campaign** emphasizing reduction of waste generation and promoting waste treatment
- ▶ Assess Consolidation and **digitalization** of clearance permission for waste handling and movement
- ▶ Promote financing through **Carbon trade project**
- ▶ **Twin Bin Policies** to promote segregation
- ▶ Mandate **monitoring, reporting and accountings**
- ▶ **Loyalty type programs** for key industry players (waste scoring)
- ▶ Increase **RDF** utilization