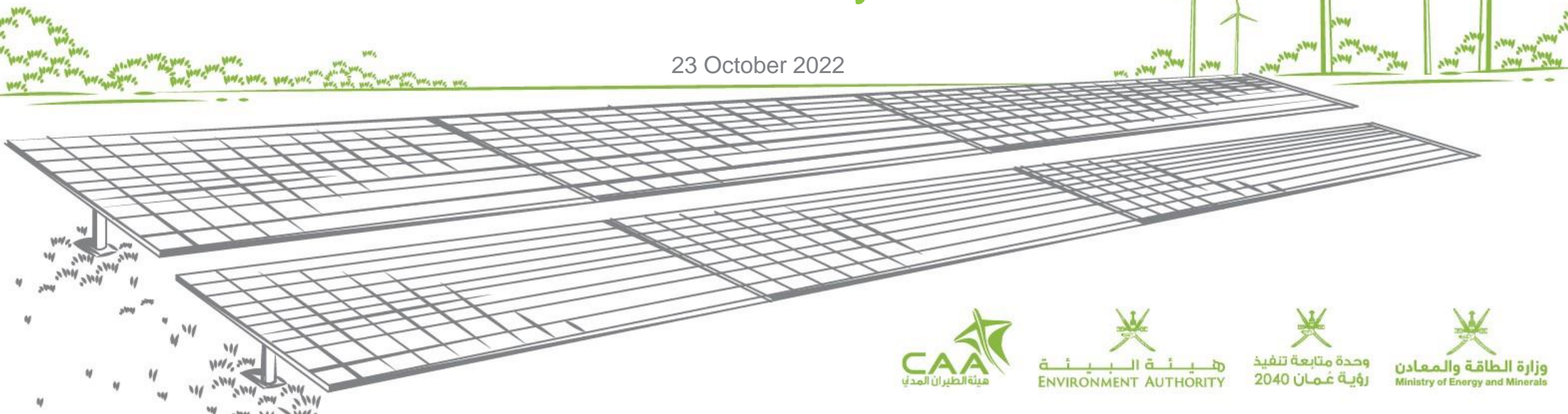




Oman National Net Zero Plan & Oman Sustainability Center

23 October 2022





Oman National Net Zero Plan



Royal directives



His Majesty the Sultan Haitham bin Tariq AL Said, official announced royal directive *
“Oman sets 2050 as its Net-Zero year target and establishing the **Oman Sustainability Centre**”

National effort



- ❑ It has made national efforts to address the impacts of climate change through::
 - ❑ Renewable energy projects
 - ❑ The remarkable investment in green hydrogen
 - ❑ Focusing on raising green spaces such as planting
 - ❑ Taking care of nature reserves and other related projects

Oman Vision 2040



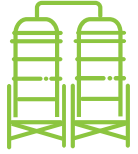
Oman Vision 2040 confirmed this through the priority of "Environment and Natural Resources"

Strategic Direction



The national net zero comes to express the Sultanate of Oman's existing orientation towards sustainable development

Definition of Net Zero



Net Zero: The balance between Greenhouse Gas Emissions due to burning fossil fuels and the processes of reducing those emissions in a certain period of time to the equivalent of zero.



Net Zero is one of the most important components of the national sectoral strategies (industry, urban planning, energy and transportation, etc.)

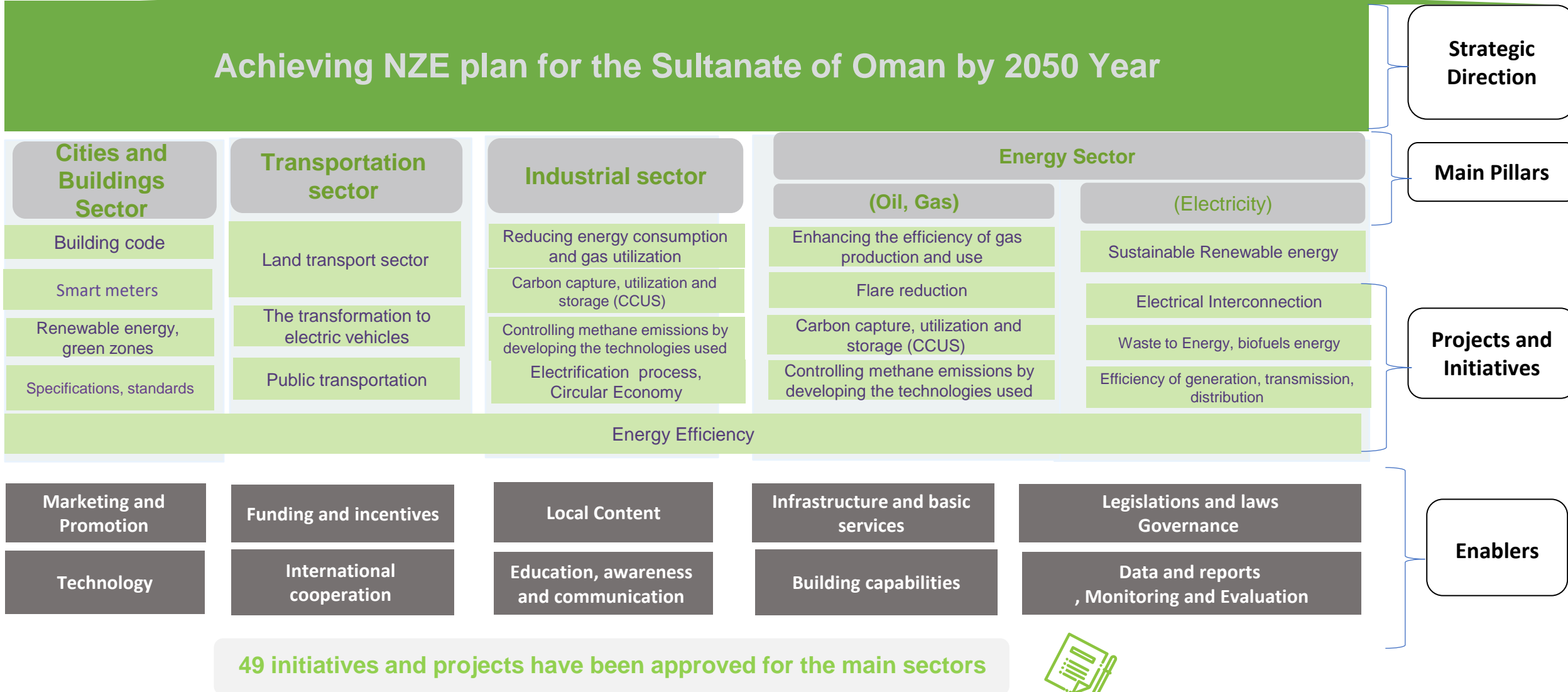
Climate Change poses a challenge to humanity in general, and to countries that have built their economies on oil wealth in particular

Enablers

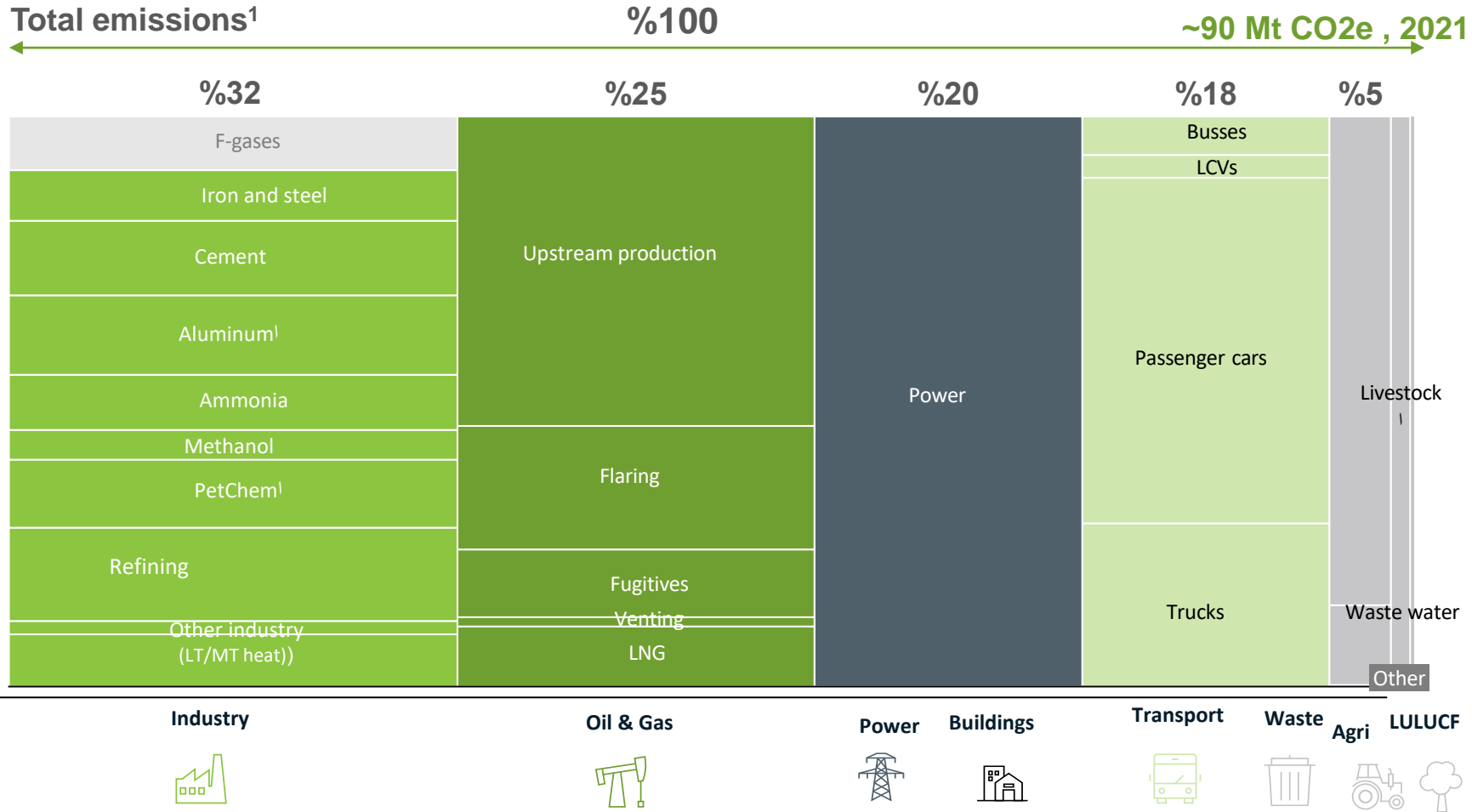
- 1 Providing a stable investment environment and attractive incentives
- 2 Policies and Regulatory Frameworks
- 3 Preserving the environment and reducing the effects of climate change
- 4 Energy Efficiency
- 5 Renewable energy

Strategic Direction of the National “Carbon Management” NZE Lab Framework

Achieving NZE plan for the Sultanate of Oman by 2050 Year



95% of Oman's total net emissions in 2021 were due to emissions from the "Industry, Energy, Transportation and Building" sectors



The Sultanate of Oman is currently highly dependent on natural gas, especially in the industrial sector and power generation

In business as usual BAU, GHG emissions are expected to increase by (10-20%) from (2021 to 2050)

1. The international maritime and aviation industry are not considered here, in line with the remit of the Paris agreement

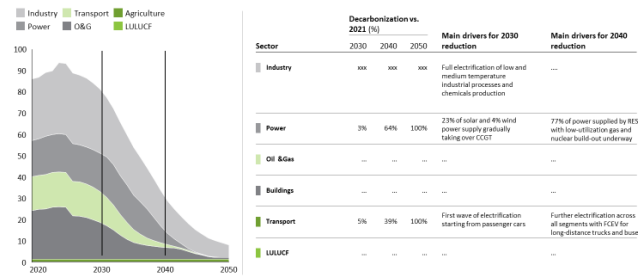
Analyses in progress: Pathway assessment across objectives



Environmental sustainability

5. Environmental sustainability: In the balanced transition scenario, decarbonization until 2030 accounts for x% of the total pathway, driven by sector X,Y,Z

Pace of GHG emission reduction per sector, 2019-2050, MtCO2e

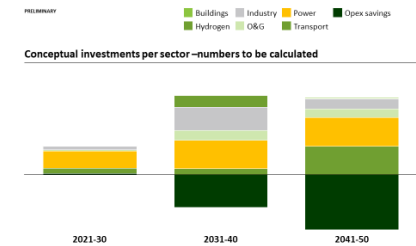


Source: McKinsey Decarbonization Scenario Explorer



Energy system costs

6. A net-zero pathway will require front-loaded Capex, resulting in Opex savings



Reduced operating costs would offset ~xx% of the capital investments by 2050. As a result, €xxx billion of the €yyy billion in additional investment would be recovered. Opex savings are mainly driven by savings in power, buildings and transport.

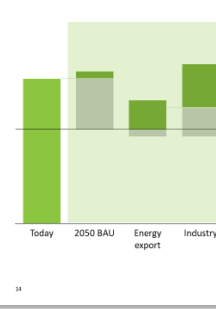


Economic impact

7. economic impact: the balanced pathway result in revenue losses as well as (new) value pools

Revenues

QUALITATIVE SIZES - QUANTIFICATION TO FOLLOW IN COMING WEEKS



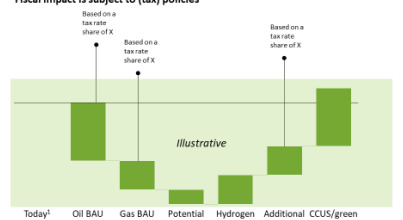
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7. Fiscal: the orderly transition pathway includes emerging sectors that (partially) offset declining revenue from legacy industries [TBC]

Focused on key value chains

QUALITATIVE SIZES - QUANTIFICATION TO FOLLOW IN COMING WEEKS

Fiscal impact is subject to (tax) policies



1. Assuming revenue breakdown of 60% Oil & Gas, 17% taxes and fees, 15% other (non-tax revenues, capital income and interest)

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2050

Net fiscal impact \$X bn

Public revenues \$X bn

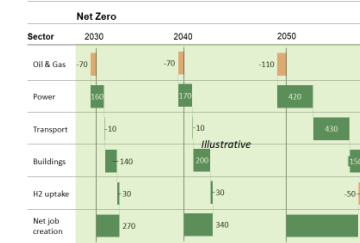
Public expenditure \$X bn



Social implication

The Net Zero scenario is expected to generate X k net jobs by 2050

Net job creation per sector and per scenario, incremental thousand FTE jobs compared to 2021



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2050

Jobs² XXX,000

Direct XXX,000

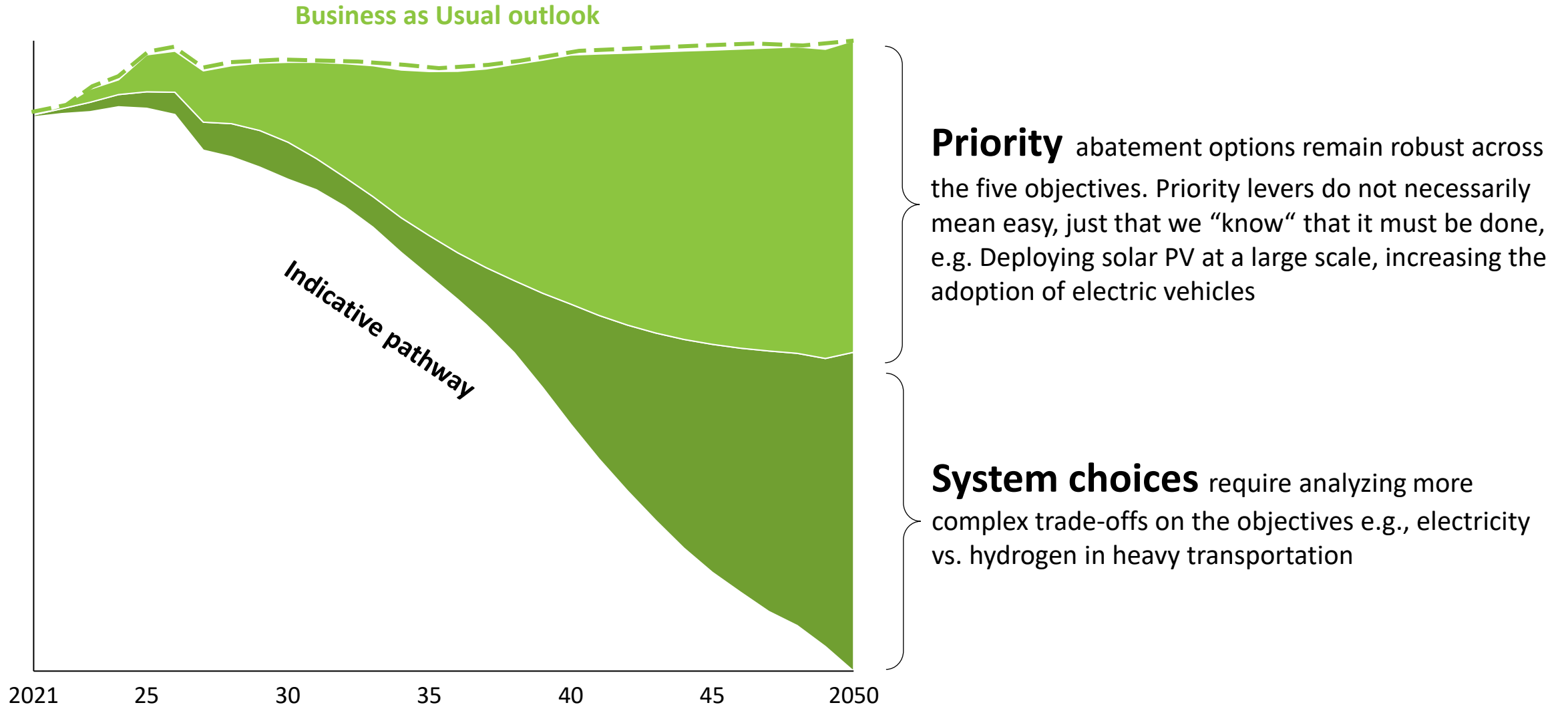
Indirect XXX,000

Induced XXX,000

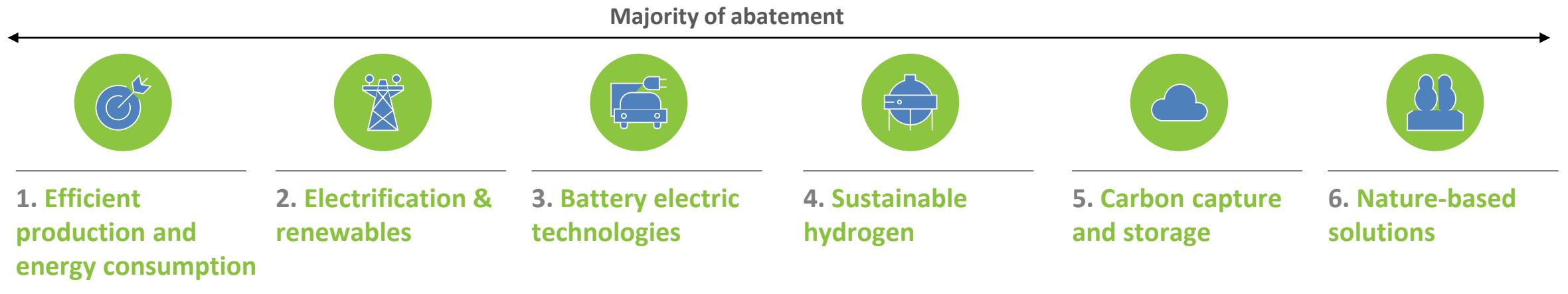


A potential pathway

An orderly transition focuses on priority levers, followed by system choices on hard-to-abate segments



Six main decarbonization technologies



Oman Sustainability Center



- Ensuring the implementation of the net zero national plan in line with the follow-up methodology to achieve the objectives of Oman Vision 2040
- Follow up the implementation of initiatives and projects, and resolve their challenges.
- Facilitate obtaining the required support from decision makers to achieve the set goals in a timely manner.

A think tank, Advisory and Follow-up support Center

Ensuring the implementation of the national net zero plan

- Suggest strategies, policies and regulations
- Providing technical and advisory services
- Monitor progress in reducing GHG emissions
- Collecting, analyzing and disseminating information and data
- Developing the available opportunities and activating the implementation plans
- Follow up on any international or local changes to net zero programmes

Center for Technological Advancement, Innovation and Scientific Research

Coordinating local efforts with global expertise and best practices

- Recommending the financing support of research and development activities
- Enhancing and accelerating scientific research and innovation
- Support the initiation of demonstration projects for energy transition technologies

Business Environment Center

Improving the business environment by supporting in ways of financing and investment

- Supporting the development of sustainable finance and circular economy programs
- Ensuring infrastructure readiness for investment
- Support in setting specifications and standards

Netzero Socioeconomic Center

Balance between environmental, economic and social requirements

- Implementation of various awareness and educational programs to raise rationalize energy consumption and contribute to sustainability.
- Enhance capacity building and training
- Enhance local content.



Thanks