



# Abu Dhabi Public Policy on Low-Carbon Hydrogen

Department of Energy – Abu Dhabi

# Abu Dhabi is well-positioned to capture the hydrogen opportunity and become a leading player in a hydrogen growing global market.



Access to finance with solid credit rating and global political stability



Markets with high hydrogen demand in the Middle East region



Commercial relationships with major hydrogen consumers: Japan, South Korea, China



Abundant land area, renewable energy resources, nuclear power, natural gas



Potential for Carbon Capture Storage and water resources



Established supply chain and experience in delivering similar products (e.g., natural gas)



Presence of high-quality higher education institutions



Advanced human and technological resources



# The Public Policy Journey



October 2021: UAE announced the net-zero emissions target by 2050, aiming for sustainable economic and social growth while reducing climate change impacts<sup>1</sup>.



November 2021: UAE launched the Hydrogen Leadership Roadmap, targeting 25% of the global low-carbon hydrogen market by 2030<sup>2</sup>.



Key Partners: Masdar Green Hydrogen, Abu Dhabi National Energy Company PJSC (TAQA), Mubadala Investment Company (Mubadala), and Abu Dhabi National Oil Company (ADNOC) joined forces to drive the net-zero carbon initiative<sup>3</sup>.



Policy Preparation: The policy was prepared by relevant stakeholders to set governance and regulatory frameworks supporting sustainable development of low-carbon hydrogen activities in Abu Dhabi<sup>4</sup>.



Policy Approval: The policy was approved by the Supreme Council for Financial and Economic Affairs of Abu Dhabi (SCFEA) as per its mandates stipulated in Law no. (24) of 2020<sup>5</sup>.





## Abu Dhabi Public Policy on Low-Carbon Hydrogen

(English translation)  
Only the Arabic version is legally binding

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Version 1.0



Establish a Low-carbon Hydrogen production industry structure that spurs investment, innovation, and industrial efficiency, providing stability and predictability for market players



Enable synergies between the nascent hydrogen sector and natural gas and power sectors through mutual benefits, coordination, and cooperation



Allow flexibility to market players in the short term, enabling them to build a strong foothold in the global hydrogen economy



Develop consumer protection, safety, and technical standards<sup>4</sup>.

# Policy Pillars and Principles



Resource optimization



Economic diversification



Investment efficiency



Long-term industrial enablement





دائرة الطاقة  
DEPARTMENT OF ENERGY

**Thank you.**