



The First National Dialogue on Climate Ambition (NDCA)

“Cementing a Decarbonized Future”



Cement Industry Outlook

83 participants

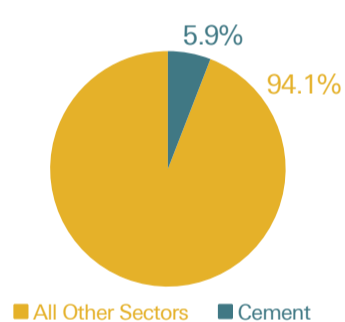
16 cement factories

4 sectors were presnets and those are:



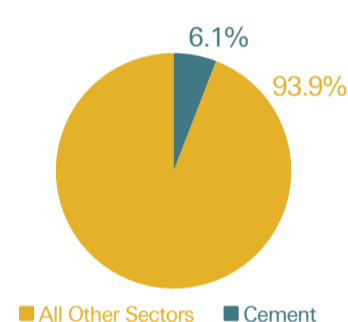
In 2016, cement production with responsible for ~7% of UAE emissions

REF EMISSIONS CONTRIBUTION 2016



By 2030, the contribution of the cement sector to reductions is lacking in ambition with very few initiatives shared

NDC EMISSIONS CONTRIBUTION 2030



First NDCA

Proposed Initiatives and enabling ecosystem

The recommended proposed initiatives for the cement companies as per their relative contribution to increased sustainability (in descending order):

calcine-clay cement technology: reduce amount of clinker factor used in cement. This option will reduce the volume of emitted greenhouse gases.

Solar and other Renewables: used as an alternative fuel switch for cement sector.

RDF (Refuse Derived Fuel) and other alternatives: Fuel switch to substitute natural gas.

CCUS: Enabling CCUS across the region requires strong industry and government collaboration to support demand signals (e.g., securing long-term offtake) and robust CCUS infrastructure (including storage and transport network) which is considered very costly.

Way forward

To set a roadmap with the cement industry to explore the previous mentioned solutions as alternatives to fuel and material substitution in order to reduce the CO2 from the sector.

Work toward a unified regulations for UAE cement related regulations including:

- Construction codes
- Cement standards
- Regulations based on performance