COP27 EGYPT'S FIRST UPDATED NDC -**MITIGATION & ADAPTATION TARGETS**



Paris Agreement has set a main goal to limit the increase in global surface temperature to 1.5° Celsius (above pre-industrial levels) by the end of the century, in which it requires each of the joined 192 countries (plus the European Union) to submit every five years an updated national climate action plan - known as Nationally Determined Contribution (NDC). Egypt recently submitted an updated NDC to the one released in 2015 that includes, for the first time, quantitative emission reduction targets by 2030 in three key sectors, namely electricity, oil & gas, and transport. Additionally, the document includes the progress in several key sectors since 2015 as well as the planned government adaptation and mitigation initiatives along with the conditional finance required till 2030.

Electricity Generation, Transmission, and Distribution					
Baseline GHG Emissions in 2015 BAU GHG Emissions by 2030 Target GHG Emissions by 2030 GHG reduction % compared to BAU in 2030 Total Mitigation Target by 2030	87.69 MtC02e 214.74 MtC02e 144.83 MtC02e 33% 69.91 MtC02e				

😤 Additional renewable energy (RE) capacities to reach the electric power contribution target of 42% by 2035.

Improve and upgrade the transmission and distribution networks including Extra High voltage substations, control centers, and smart grids.

Activation of the role of electricity distribution companies.

Maintenance, upgrade, and replacement programs for obsolete power plants.

Oil and Gas Associated Gases Subsecto	
Baseline GHG Emissions in 2015 BAU GHG Emissions by 2030 Target GHG Emissions by 2030 GHG reduction % compared to BAU in 2030 Total Mitigation Target by 2030	 2.137 MtC02e 2.575 MtC02e 0.89 MtC02e 65% 1.682 MtC02e

17 implemented projects and additional 36 projects planned up to 2030 to recover and utilize associated gases generated from crude oil fields to produce LPG, natural gas, and condensates.

The natural gas pipelines are planned to increase from	86 to villages	180 villages	ن ٹ یڑ	by 2030 serving	476.000 residents		under the Decent Life Initiative ' Hayah Karima' .
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The government aims to reduce 5% of the petroleum companies' energy consumption.

It is planned to produce medium-density wood panels (MDF) in Idku city at a design capacity of 205 thousand cubic meters annually from 250 thousand tons of rice straw.

Į.	Two planned programs to reduce plastic waste and	> N	Nanufacture of 75,000 tons of biodegradable plastic bags annually
	increase the production of green petrochemicals:	> (Converting plastic waste into oil to produce 30,000 tons of polyethylene
· · · · ·	Production of alternative green fuels:	> E	extraction of 350,000 tons of algae oil annually to produce biofuels

Extraction of 350,000 tons of algae oil annually to produce biofuels •• Generation of **100,000** tons of bioethanol annually

Transport

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Baseline GHG Emissions in 2015	
BAU GHG Emissions by 2030	
Target GHG Emissions by 2030	
GHG reduction % compared to BAU in 2030	
Total Mitigation Target by 2030	

48.235 MtCO2e 124.36 MtCO2e 115.4 MtCO2e 7% 8.96 MtC02e



Upgrade the solid waste management infrastructure to improve collection efficiency from **55%** to **95%** by year 2025 through establishing fixed and mobile transfer stations, Mechanical and Biological Treatment (MBT) plants, and closure of uncontrolled dumpsites to be replaced with sanitary landfills.

Increase waste-to-energy contribution in solid waste management by up to **20%** of collected waste by 2026 through utilizing waste as an alternative fuel in cement sector, waste to biofuels, and generating electric power through incineration, pyrolysis, and other modern technologies.

Financial Support Description * The financial resources required to **Conditional Finance Required*** implement the updated NDC up to 2030 **Mitigation Programs** is estimated at a minimum of USD 246 USD 196 bn bn. The financial estimates are derived Adaptation Programs from the required upfront capital USD 50 bn expenditures, capacity building and Total technology transfer, and the human USD 246 bn resources needed for implementation.



Dcode EFC, TRACK3 Consulting, and SHiFTERRA Consultancy have formed a consortium that brings what is required to effectively support companies in having an impactful participation in the upcoming COP27 and beyond. Guided by national and international experience in green growth, climate change, business environment, private sector and the understanding of COP organization and dynamics, we will jump-start companies' process to take part in the COP27, through introducing and supporting activities prior to COP, during and after.