

## EDFDI Submission: Actionable Solutions for a Just, Orderly, and Equitable Transition Away from Fossil Fuels (COP30 TAFF Roadmap)

To: The COP30 Presidency  
United Nations Framework Convention on Climate Change (UNFCCC) Secretariat,

Your Excellencies,

We extend our sincere appreciation to the COP30 Presidency for the vital initiative to develop a roadmap for transitioning away from fossil fuels in a just, orderly, and equitable manner, as outlined in the Global Stocktake (GST).

Egypt the Dream Foundation for Development and Innovation (EDFDI), an accredited UNFCCC observer organization operating as an integrated "Think-and-Do Tank", submits the following actionable solutions and practical options to support this transition, particularly for the Global South:

### 1. The Transitional Bridge: "Green Fossil Fuel" (Distributed CHP Technology)

A "just and orderly" transition recognizes that developing nations cannot abruptly abandon natural gas without compromising their energy security and economic stability. Therefore, EDFDI proposes the immediate, wide-scale adoption of Distributed Combined Heat and Power (DG/CHP) systems.

\* **The Actionable Impact:** Instead of relying on obsolete centralized power plants that waste up to 70% of energy as heat, our proposed localized CHP models raise fossil fuel combustion efficiency to 95%.

\* **The Equitable Benefit:** This drastically reduces immediate \$CO<sub>2</sub>\$ and methane emissions while bypassing the massive capital expenditures (CAPEX) required for centralized grids. It provides a realistic, highly efficient transitional phase until renewable infrastructure is fully mature.

### 2. Overcoming the Finance Barrier (Bankable Projects & CFPs)

The transition cannot happen without dismantling international financing bottlenecks.

\* **Climate Finance Points (CFPs):** We reiterate our UN-published proposal (Doc: 649439) to establish UN-supervised CFPs in developing nations to channel funds directly to local implementing entities.

\* **Financial Viability:** To prove that this transition is economically attractive, EDFDI has secured a strategic alliance with CRJ Capital Partners. This turns transition technologies (like the Green Fossil Fuel project) into "Bankable Projects" with high Internal Rates of Return (IRR), ensuring they are attractive to private investments and sovereign funds, rather than relying solely on grants.

We present these field-tested, techno-economic models as core components for the COP30 TAFF Roadmap. By combining maximum transitional efficiency (95% CHP) with direct, profitable financing mechanisms, we can ensure the transition is truly just and globally applicable.

We look forward to continued engagement with the COP30 Presidency on this critical roadmap.