Impact Valuation Method

1. Identify business-as-usual inputs, outputs and outcomes/impacts for Material Topic

ESG Element	Input/Activity	Output	Outcome/Impact
Climate Change & GHG Emission	Energy used during production & generation in value chain	Tons of GHG emissions from production process	Contribution to global GHGs emissions

2. Identify targets to reduce impacts/increase benefits associated with the Material ESG Elements while considering drivers of change from megatrends and the Value Capture Model

ESG Element	Megatrends →	Growth	Risk Mgmt	Return on Capital	Targets
Climate Change & GHG Emission	Climate change	Innovation and new products	Reputation management	Sustainable operations	*Net Zero*

3. Estimate anticipated changes in Material ESG Element inputs, outputs and outcomes from achieved targets

Input/Activity	Output	Outcome/Impact
Increasing power generation by renewable energy	Tons of GHG emissions	Contribution to reduction in global GHG emissions Meet energy demands

4. Calculate the quantitative metric used to measure external impact

Impact Metric
Social Cost of Carbon

Climate Change & GHG Emission is material to external environment with identified actual and potential impacts as follows:

- Climate action, policy, strategy, natural climate solution
- Long-term climate adaptation, clean energy future
- Operational eco-efficiency, pollution management, biodiversity, forest restoration
- Long-term commitments to climate change and GHG reduction, Scope 3 emission reduction

Impact Valuation :
Climate Change & GHG Emission

Output Metric

GHG emission reduction

Carbon Storage

Output Valuation

Reduction of 662,500 tons of CO2e of GHG emissions from the production process to align with NDC and COP21 targets

Carbon Storage of more than 225,600 tons from EGCO Group's projects and EGCO Group through the Thai Rak Pa Foundation

Impact Valuation

Social cost caused/ avoided: EPA's social cost of carbon was used to quantify the social impacts from our GHG emissions in monetary terms. The monetary terms here are negative. 2022 scope 1 & 2 GHG emissions were used. The monetary value as referred in EPA Social cost of carbon (42$/metric ton CO2 for 3% average discount rate in 2020)

Impact Metric

Social cost of GHG & air emission of USD $265,477,926

Cause of Impact

- Operations
- Products/ Services
- Supply Chain

External Stakeholders/ Impact Areas Evaluated

- Environment
- Society