

CONTRIBUTION TO STRATEGY 2030 OPERATIONAL PRIORITIES

OP No.	Corporate Results Framework Indicators (Outputs and Outcomes)	Expected Value	Methods and Comments
1.3.2	New financial products and services made available to the poor and vulnerable (number)	1	Refers to DMF output 1c The company will offer a flexible payment term option for gas consumption to women-headed poor and vulnerable households. The flexible payment term is considered a financial service provide by the company to its vulnerable customers.
2.1.1	Women enrolled in TVET and other job training (number)	1,129	Refers to DMF output 2a There will be 1,129 additional women participants in trainings ^a provided by KTG by 2025. Target = 1,500 Baseline: 371
2.3	Women represented in decision-making structures and processes (number)	5	Refers to DMF output 2b There will be 5 additional women in management roles by 2025. Target = 95 Baseline = 90
3.1	Total annual greenhouse gas emissions reduction (tCO2e/year)	470,000	Refers to DMF outcome b Methodology followed the Guidelines for Estimating Greenhouse Gas of Asian Development Bank Projects. Assumes gas savings from avoided technical and commercial losses of 24.2 thousand tons/year The methane component is 78.9% of the amount of gas savings, equivalent to 19,094 tCH4/year. Methane has a Global warming potential (GWP) of 28 tCO2/tCH4 (conversion factor). The CO2 component is 2.67% of the gas savings. <u>GHG emission reduction calculation:</u> (a) CO2 from methane = 19,094 tCH4/year x 28 tCO2/TCH4 = 534,626 tCO2/year

4.1.1	Service providers with improved performance (number)	1 service provider	<p>(b) CO₂ component = 24.2 thousand tons gas/year x 2.67% = 646 tCO₂/year</p> <p>Total avoided GHG emission from gas savings = (a) + (b) = 534,626 tCO₂/year + 646 tCO₂/year = 535,272 tCO₂e/year</p> <p>Assuming gas saved will be exported and consumed, a corresponding CO₂ emission from gas consumption will be 65,166 thousand tCO₂/year, based from the net calorific value of natural gas of 0.048 TJ/ton, and the emission factor of natural gas of 56.1 tCO₂/TJ.</p> <p>Therefore, the net CO₂ emission reduction of the project will be about 470 thousand tCO₂/year.</p> <p>Refers to DMF outcome a</p> <p>KTG, through the improved metering system, will lead to improvements in operational efficiency of the company. (Confidential information deleted.)</p>
-------	--	--------------------	--

CO₂ = carbon dioxide, DMF = design and monitoring framework, KTG = Joint Stock Company KazTransGas, NB-IoT = Narrow Band Internet of Things, OP = operational priority, tCH₄ = ton of methane, tCO₂e = ton of carbon dioxide equivalent, tCO₂ = ton of carbon dioxide, TJ = terajoule.

^a Training topics are related to career development—e.g., leadership.

Source: Asian Development Bank estimates.