

CONTRIBUTION TO THE ADB RESULTS FRAMEWORK

No.	Results Framework Indicators (Level 2)	Targets	Methods/Comments
1.	Installed energy generation capacity increase	1,760 MW by 2024	
2.	Greenhouse gas emission reduction (tons of carbon dioxide equivalent emissions avoided/year)	Avoidance of 1.81 million tCO ₂ eq per year by 2024 for the power plant Removing emissions from the LNG terminal of 48,400 tCO ₂ eq per year, net avoidance is 1.77 million tCO ₂ eq per year	Grid emission factor for the Jawa grid: 713 tCO ₂ eq/GWh Natural gas emission factor: 520 tCO ₂ eq/GWh Annual electricity produced: 9,400 GWh (713 – 520) tCO ₂ eq/GWh x 9,400 GWh = 1,814,200 tCO ₂ eq/year avoided Gas emission = 53.07 kgCO ₂ eq/MMBtu Emissions from the terminal and floating storage and regasification unit due to a. Leakage: Leakage ratio = 1.5% Gas processed in a year = 0.91 million MMBtu Emissions from leakage = 48,400 tCO ₂ eq b. Oil Consumption: Oil used per year = 1,247 barrels = 7,200 MMBtu Oil emission = 73.17 kgCO ₂ eq per MMBtu Emissions from oil consumption = 520 tCO ₂ eq

MW = megawatts; GWh = gigawatt hour; MMBtu = million British thermal units; kgCO₂eq = kilograms of carbon dioxide equivalent; tCO₂eq = tons of carbon dioxide equivalent.

Note:

(1) Grid emission factor from the IFI Harmonized indicators.

(2) Natural gas emission factor from *CO₂ emissions from Fuel Combustion*, International Energy Agency. 2017, Paris, France

Source: Asian Development Bank.