

CONTRIBUTION TO THE ADB RESULTS FRAMEWORK

Level 2 Results Framework Indicators			
No.	(Outputs and Outcomes)	Targets	Methods / Comments
1	Greenhouse gas emission reduction (tCO ₂ -equiv/year)	460,000	Estimated based on (i) energy saved multiplied by the grid emissions factor (624.4 tCO ₂ -equiv per GWh) for system loss reduction, and (ii) diesel-powered self-generation replaced by the project multiplied by the difference between diesel emissions factor (764.0 tCO ₂ -equiv per GWh) and the grid emissions factor. ^a
2	Transmission lines installed or upgraded (kilometers) ^b	200	Calculated based on lengths of 110 kV and 220 kV transmission lines of core subprojects and indicatively identified non-core subprojects.

GWh = gigawatt-hour, kV = kilovolt, tCO₂-equiv = tonnes of carbon dioxide equivalent.

^a The amount of diesel-powered self-generation replaced by the project is derived by calculating the project investment as a percentage of the overall investment needs by Hanoi Power Corporation and Ho Chi Minh Power Corporation until 2020, and multiplying that by the additional electricity to be supplied per year by 2020 by both power corporations. In addition, a conservative assumption has been made that 50% of the new demand can be supplied at off-peak hours and will not require capital investments since such investments are made to meet the peak demand.

^b The transmission line length is route length. The values adopted in the design and monitoring framework is circuit-kilometers which is the product of route length and the number of circuits.

Source: Asian Development Bank estimates.