

List of Tables

Table 1-1	Case Setting for Power Generation Mix and Trade Flow Analysis	3
Table 1-2	Possible Interconnection Lines and their Priority	4
Table 2-1	Cross-border Interconnection (Lao PDR–Viet Nam)	9
Table 2-2	Cross-border Interconnection (Thailand–Lao PDR)	11
Table 2-3	Cross-border Interconnection (Thailand–Malaysia)	14
Table 2-4	Cross-border Interconnection (Malaysia–Singapore)	15
Table 2-5	Existing and Future Plan of Interconnection Capacity	15
Table 2-6	Power Trade Flows in 2035	16
Table 2-7	Minimum Interconnection Capacity Requirement in 2035	17
Table 2-8	Investment Gap of Interconnection Capacity (Viet Nam–Lao PDR)	18
Table 2-9	Investment Gap of Interconnection Capacity (Lao PDR–Thailand)	19
Table 2-10	Investment Gap of Interconnection Capacity (Thailand–Malaysia)	19
Table 2-11	Investment Gap of Interconnection Capacity (Malaysia–Singapore)	20
Table 2-12	Transmission and Demand in Five Countries	22
Table 2-13	Specifications of Thailand–Malaysia HVDC	29
Table 2-14	Conditions for Cost Estimation	30
Table 2-15	Land Acquisition and Easement (Viet Nam–Lao PDR)	34
Table 2-16	Land Acquisition and Easement (Lao PDR–Thailand)	35
Table 2-17	Land Acquisition and Easement (Thailand–Malaysia)	35
Table 2-18	Land Acquisition and Easement (Malaysia–Singapore)	36
Table 2-19	Land Acquisition and Easement (Thailand–Singapore)	36
Table 2-20	Costs of Interconnection and Land Acquisition	37
Table 2-21	Line Construction and Land Acquisition Costs, by Case	38
Table 2-22	Transmission Line Costs per Kilowatt-hour, by Route	41
Table 2-23	Transmission Line Costs per Kilowatt-hour, by Case	42
Table 2-24	Costs and Benefits of Interconnection Lines (2025–2035)	43
Table 2-25	Trade Flow from 2025 to 2035, by Route	44
Table 2-26	Trade Flow from 2025 to 2035, by Case	44
Table 2-27	Unit Cost and Benefit of Interconnection Lines (2025–2035)	45
Table 2-28	Return on Investment (2025–2035)	46
Table 4-1	Possible Interconnection and Cumulative Costs and Benefits	63
Table A-1	Electric Power Industry in Indonesia	76
Table A-2	Electricity Import in Thailand, 2014–2019	94
Table A-3	Memorandums of Understanding Between Thailand and Neighbouring Countries	94