List of Figures

Figure 1.1 GDP Growth Rate Outlook, 2019–2050 (%) 1
Figure 1.2 Total Primary Energy Supply Outlook in ASEAN, 2000–2050 2
Figure 1.3 Natural Gas in TFES in ASEAN, by Country, 2000–2050 (Mtoe) 3
Figure 1.4 Total Final Energy Consumption in ASEAN, 2000-2050 4
Figure 1.5 Natural Gas in TFEC in ASEAN, by Country, 2000–2050 (Mtoe) 4
Figure 1.6 Power Generation Outlook in ASEAN Countries, 2000–2050 (Mtoe) 5
Figure 1.7 Power Generation Mix, by Country, 2017 5
Figure 1.8 Gas-Fired Power Generation in ASEAN, by Country, 2000–2050 (TWh) 6
Figure 1.9 Gas Trade Balance in ASEAN, 2017 and 2050 (Mtoe) 7
Figure 1.10 Global Natural Gas Investment in Reference Scenario, 2019–2050 8
Figure 1.11 Global Natural Gas Investment in the Reference Scenario, 2019–2050 8
Figure 2.1 The Philippines’s Primary Energy Supply Mix, 2019 11
Figure 2.2 Malampaya Gas Pipeline Route to Gas-Fired Power Plant 12
Figure 2.3 Viet Nam’s Natural Gas Production 22
Figure 2.4 Viet Nam’s Natural Gas Production Forecast, 2016–2035 23
Figure 2.5 Viet Nam’s Installed Capacity Structure, Comparison of Revised PDP 7 and Draft PDP 8 (MW) 28
Figure 2.6 Viet Nam’s LNG Demand in High Scenario, 2020–2045 29
Figure 2.7 Natural Gas Production in Indonesia, 2009–2019 36
Figure 2.8 Natural Gas Demand, by Use in Indonesia, 2009–2019 36
Figure 2.9 LNG Production, by Use, 2009–2019 37
Figure 2.10 Pertamina’s LNG Supply to 55 Spots 40
List of Tables

Table 1.1  ASEAN Countries, by GDP Growth Rate  2
Table 2.1  The Philippines’ Natural Gas Production and Consumption, by Sector, 1994–2020  13
Table 2.2  The Philippines’s Power Generation, by Source, 2009–2019  14
Table 2.3  The Philippines’s Installed Capacity, by Source, 2009–2019  15
Table 2.4  Status of Proposed LNG Terminal Projects in the Philippines  17
Table 2.5  Viet Nam’s Natural Gas Pipe System  21
Table 2.6  LNG Terminal in Viet Nam (including Planned Projects)  25
Table 2.7  Viet Nam’s Installed Capacity Target, by Select Fuel  29
Table 2.8  Viet Nam’s LNG-to-Power Project  31
Table 2.9  Viet Nam’s Newly Proposed LNG-to-Power Project  33
Table 2.10 Primary Energy Supply Target in Indonesia  35
Table 3.1 Carbon-Neutral LNG Deal, 2019–May 2021  49
Table 3.2 Tokyo Gas’s City Gas Customers Supporting Carbon-Neutral LNG  51