List of Figures

| Figure 2.1 | Design of the Integral Molten Salt Reactor and Xe-100 | 6 |
|-------------|---|----|
| Figure 2.2 | Test Results of the High Temperature Engineering Test Reactor | 7 |
| Figure 2.3 | Test Results of the EBR-II | 8 |
| Figure 2.4 | Electric Power Output and Reactor Vessel Sizes of SMR Designs | 10 |
| | Mentioned in IAEA (2020) | |
| Figure 3.1 | Electricity Generation by Source in the United States | 12 |
| Figure 3.2 | Reactor Building Design of the NuScale SMR | 15 |
| Figure 3.3 | Electricity Generation by Source in the United Kingdom | 18 |
| Figure 3.4 | Electricity Generation by Source in Canada | 21 |
| Figure 3.5 | Electricity Generation by Source in Indonesia | 25 |
| Figure 3.6 | Electricity Generation by Source in the Philippines | 26 |
| Figure 3.7 | Electricity Generation by Source in Poland | 29 |
| Figure 3.8 | Electricity Generation by Source in the Czech Republic | 30 |
| Figure 3.9 | Electricity Generation by Source in Estonia | 31 |
| Figure 3.10 | Electricity Generation by Source in Finland | 32 |
| Figure 3.11 | Electricity Generation by Source in Jordan | 33 |
| Figure 3.12 | Electricity Generation by Source in Kenya | 35 |
| Figure 4.1 | SMR Economic Drivers That Help Compensate for Diseconomies of | 59 |
| | Scale | |
| Figure 4.2 | Selected Reactor Designs as a Function of Power Output, Core Outlet | 61 |
| | Temperature, and Deployment Configuration | |

List of Tables

| Table 2.1 | Classification of SMR Designs Mentioned in IAEA (2020) | 9 | |
|-----------|--|----|--|
| Table 3.1 | Advanced Nuclear Energy Legislation in the United States | 16 | |