



SYSTEM RELIABILITY AND AVAILABILITY PERFORMANCE

Electricity Generation

| Disclosure | Performance | Unit | Year | | | |
|------------|-------------------------------------|-------------|--------------|--------------|--------------|---------------|
| | | | 2019 | 2020 | 2021 | 2022 |
| GRI G4-EU1 | Energy generating capacity | | | | | |
| | Hydropower ¹ | MW | 1,900.00 | 1,900.00 | 1,900.00 | 1,900.00 |
| | Solar energy ² | | 14.73 | 14.73 | 14.73 | 14.73 |
| | Cogeneration ³ | | | | | |
| | - Electricity | MW | 237.50 | 237.50 | 237.50 | 237.50 |
| | - Steam | Metric Tons | ND | ND | ND | 40.00 |
| GRI G4-EU2 | Total energy generated ⁴ | | | | | |
| | Hydropower ¹ | MWh | 2,519,574.19 | 7,221,506.70 | 9,149,499.88 | 10,025,549.39 |
| | Solar energy ² | | 15,549.78 | 20,130.04 | 23,247.32 | 22,873.85 |
| | Cogeneration ³ | | | | | |
| | - Electricity | MWh | 1,560,829.98 | 1,535,670.45 | 1,543,851.11 | 1,655,955.84 |
| | - Steam | Metric Tons | ND | ND | ND | 78,036.00 |

Remarks:

1. The Company generates electricity from hydropower only in Xayaburi and Nam Ngum 2 power plants.
2. The Company generates electricity from solar energy only in Bangkhenchai power plant.
3. The Company company generates electricity and steam only in Bangpa-in cogeneration power plant.
4. Data from 2019-2021 were reported using power purchase agreement (PPA) between the Company and suppliers as reference, while data from 2022 were reported using the Company's actual total energy generation.



| Disclosure | Performance | Unit | Year | | | |
|-------------|------------------------------------|------------------|-------|-------|-------|-------|
| | | | 2019 | 2020 | 2021 | 2022 |
| GRI G4-EU30 | Average plants availability factor | | | | | |
| | XPCL | Percentage | ND | 95.99 | 92.85 | 90.29 |
| | NN2 | | 98.15 | 97.13 | 96.96 | 97.63 |
| | BKC | | 99.99 | 98.74 | 99.18 | 98.51 |
| | BIC | | 95.71 | 96.00 | 96.63 | 96.60 |
| | Numbers of unplanned power outages | | | | | |
| | XPCL | Numbers of times | ND | ND | ND | 0.00 |
| | NN2 | | ND | ND | ND | 1.00 |
| BKC | ND | | ND | ND | 0.00 | |
| BIC | ND | | ND | ND | 2.00 | |
| S&P Global | Gas leakage rate | | | | | |
| | Transportation/Transmission | Percentage | ND | ND | ND | 0.00 |
| | Distribution to households | Percentage | ND | ND | ND | 0.00 |
| | Storage | Percentage | ND | ND | ND | 0.00 |

Remarks:

- ND means No Data Available
- N/A means Not Applicable
- XPCL means Xayaburi power plant
- NN2 means Nam Ngum 2 power plant
- BKC means Bangkhenchai power plant
- BIC means Bangpa-in cogeneration power plant
- Xayaburi power plant began commercial operations in October 2019 and began data collection in 2020.