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Appendix

Taipower's Value Chain and Operational Elements

Mission. Vision and Core Values

ESG

Sustainable Development **Profiles**

Resource Input

Power Generation

Transmission Distribution

Electricity Retailing

Outputs

Mission

To supply stable power for the needs of diverse social developments with an ecofriendly approach at a reasonable cost

Provider of Sustainable Power















Provider of Services for **Smart Living**







Vision

To transform into a prestigious and trustworthy world-class power utility group

Core Values

Integrity, Care,

Service, Growth

Environment























Financial Capital

• Capital:NT\$580 billion • Total expenditures: NT\$912.5 billion **Equipment Capital**

- Power plants in operation: 22 (Taipower owned)
- Total installed capacity of thermal power plants: 26,145 MW
- Total installed capacity of nuclear power plants:951 MW
- Total installed capacity of renewable energy power plants:
- Installed capacity of pumped-storage hydroelectric facilities: 2.602 MW
- Installed capacity of purchased thermal power plants: 7,798 MW
- Installed capacity of purchased renewable energy: 17,687 MW

Fuel Capital

Natural Gas 16,750 million cubic meters Coal 24.563 million metric tons Fuel Oil 928 thousand kiloliters

Capital expenditure on NT\$5.107 billion environmental protection Recurrent expenditure on

NT\$3.204 billion

Actual value in 2024

Human Resources Capital

environmental protection

• Total number of employees: 29,139 • Number of contracted workers: 1,152

R&D Capital

- Number of research projects for the year: 485
- R&D expenditures for 2024: NT\$6.03 billion

(Consisting of NT\$4.86 billion in expenditures and NT\$1.17 billion in capital expenditures)

Social Capital

- Number of users: 15.35 million
- Power development promotion and assistance fund: NT\$2.994 billion
- Capacity of demand response: 3,010 MW
- Power supply partners:
- -11 Independent Power Producers (IPPs)
- -49 cogeneration power providers
- -66,480 contracts for renewable energy (including solar power, wind power, hydro power and others)

Power Generation

• Taipower's Electricity Generation in 2024

Thermal power 152.4 billion kWh generation 4.88 billion kWh Renewable energy Pumped-storage 3.07 billion kWh hydroelectricity 11.73 billion kWh Nuclear power

Electricity Purchased from External Sources in 2024

Privately-owned 48 billion kWh thermal power plants 5.92 billion kWh Cogeneration Renewable energy 25.13 billion kWh

Transmission and Distribution

- Total length of power transmission lines: 18,466.4 circuit kilometers (Including overhead power lines and underground cables)
- Total length of distribution lines: 434.463 circuit kilometers
- Number of substations:622

Electricity Retailing

Electricity Use by User Type: Total sold: 239.1 billion kWh

| Electricity Used |
|-------------------|
| (Billions of KWh) |
| 133.3 |
| 50.6 |
| 36.9 |
| 18.2 |
| |

- Earnings before tax: NT\$41.1 billion
- Electricity fee income: NT\$832.6 billion
- Net amount of generated and purchased power: 251.4 billion kWh
- -Power generated: 172.1 billion kWh
- -Power purchased: 79.4 billion kWh
- Facility utilization rate:71.7%
- Line loss rate: 2.93%
- Greenhouse gas emissions: 91.45 million tons CO₂e
- Air pollution emissions: (kg/GWh)
- -Particulate matter emissions (PM) :6
- -Sulfur oxide emissions (SOx) :66
- -Nitrogen oxide emissions (NOx):144
- Number of new employees: 2.507
- Total number of participants in education and training: 107.857
- Number of research reports:210
- Number of papers published:100
- Number of patents/intellectual property cases:
- -126 in the Republic of China
- -4 in the Unit ed States
- -2 in Japan
- Customer satisfaction rate: 96.8 percent