Key milestones towards the achievement of SDG 7 and net zero emissions

**2025**
- **759 million** without electricity access
- **2.6 billion** without clean cooking solutions
- **20%** renewable energy in the global energy mix
- **2799 GW** of global renewable capacity
- **Only about 1%** annual primary energy intensity improvement
- **60%** current share of fossil fuels in global energy mix
- **11.5 million** jobs in renewables (out of 58 million jobs in the energy sector)
- **32%** of renewable energy employees are women
- **Only 6%** of energy ministerial positions are women
- **40%** increase in private energy R&D funding since 2010
- **50%** of the technologies necessary to meet net-zero emissions are still in R&D
- **1.7 trillion USD** annual energy capital investment (40% is for clean energy technologies)
- **12 billion USD** for electricity access (of which 1 billion USD for mini-grids)
- **Negligible financing** for clean cooking access

**2030**
- **500 million** more people have electricity access
- **1 billion** more people with clean cooking solutions
- All countries have a comprehensive energy transition strategy
- Double global renewable power capacity
- **100 countries** have targets for 100% renewable-based power
- **Zero new coal power plants in the pipeline** (to be achieved immediately)
- **All countries urgently integrate the SDGs as a guiding framework** for energy transition through policy and planning
- **Annual global GHG emissions to be reduced at least by one third**
- **Increase the supply of energy innovation** that addresses key gaps
- **Re-direct fossil fuel consumption subsidies of 400 billion USD per year towards clean energy**
- **Annual investment in access to clean cooking increased to 25 billion USD**, of which 50% is directed to the Least Developed Countries (LDCs)
- **Annual investment in access to electricity increased to 35 billion USD (including 10 billion USD for mini-grids)**, of which 50% is directed to the LDCs

**2050**
- **Net zero energy systems that ensure universal access to electricity and clean cooking solutions**
- **Net zero emissions achieved globally**
- **92%** of power comes from renewable technologies
- Phase out coal globally (by 2040)
- **Leave no one behind** by creating jobs, diversifying economies, ensuring people’s well-beings and empowering women, local communities and vulnerable groups including indigenous people, in achieving net zero emissions
- **Use newly developed technologies** to meet net-zero goals
  - Develop efficient, low-cost, large scale CO₂ removal (e.g. direct air capture)
- **Correct the investment gap and barriers** to sustainable finance, including market distorting subsidies and inadequate accounting of externalities

**Now**
- **60 million** in renewables and efficiency (out of 100 million jobs in the energy sector)
- **Universal access to electricity in all health care facilities and all schools world-wide**
- **Scale up R&D and investment and align innovation timelines with net zero goals**
- **Implement ICT technology to reduce global CO₂ emissions by 20%**
- **Triple worldwide investment in clean energy and energy-efficiency** (Renewables in the electricity sector to reach around USD 1.3 trillion annually)