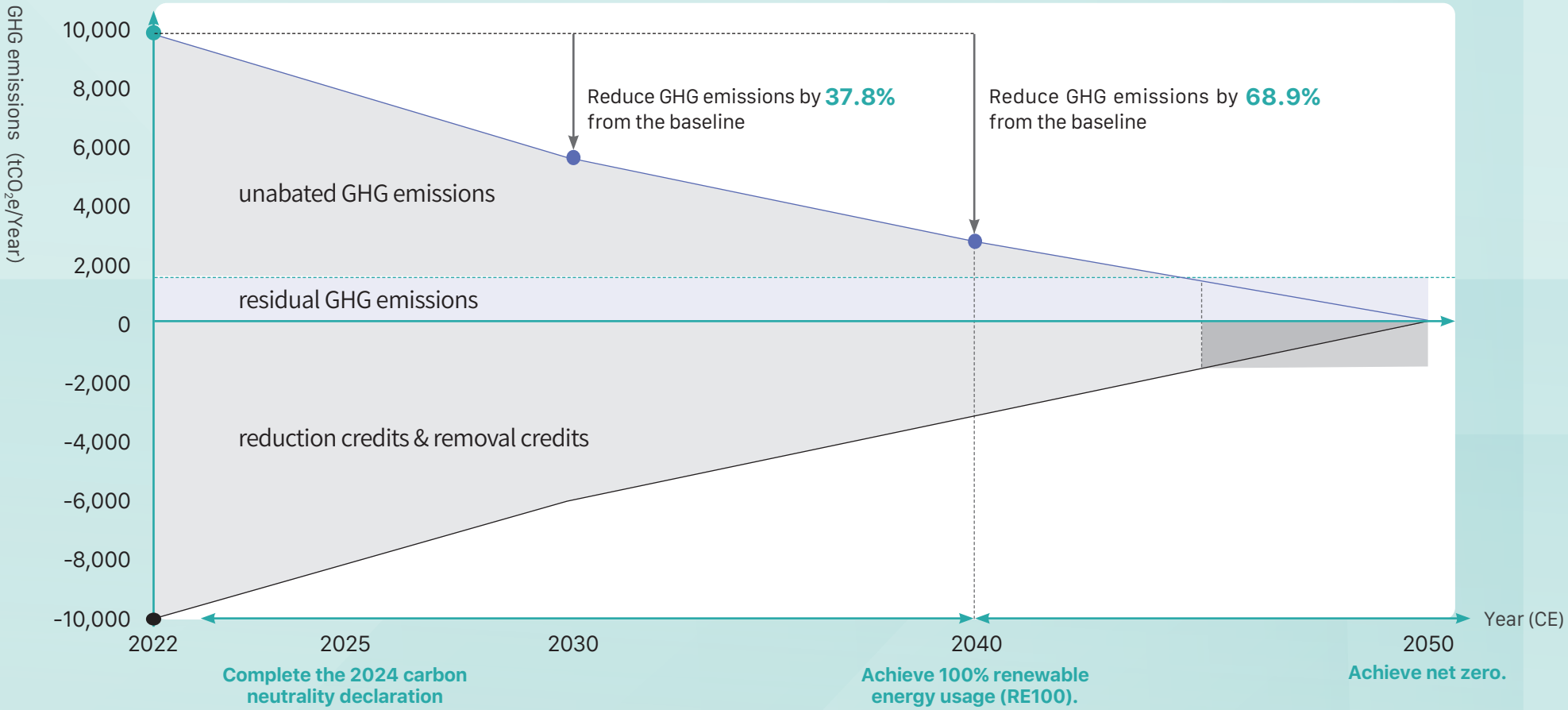
Pathway to Net Zero

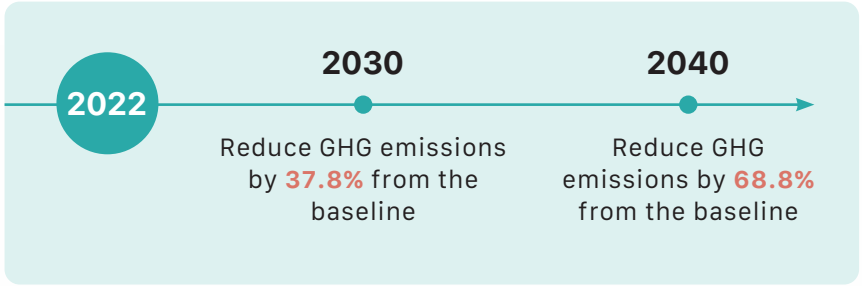
1. Carbon neutrality roadmap



2. Scope of roadmap

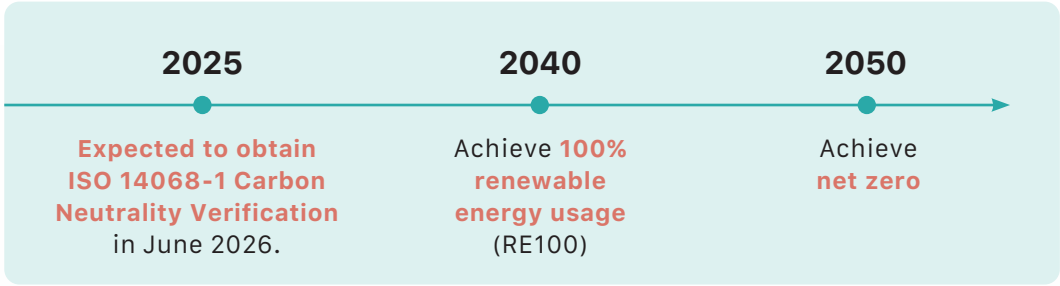
The scope of the TWSE's carbon neutrality report is established in accordance with the standards of ISO 14064-1:2018 in addition to including the TWSE and all the locations over which it has operational control.

3. GHG reduction targets by phase



Note 1: The year 2022 was established as the inventory base year; carbon emissions for 2022 totaled 9,814.991 tCO_2e.
Note 2: To achieve carbon neutrality, negative emission technologies will be progressively adopted to neutralize residual greenhouse gas emissions.

4. Net zero milestones and targets



5. To achieve the targets set out in the carbon neutrality roadmap, the TWSE established a carbon neutrality management plan with the following key measures:

1. Gradually increase the proportion of renewable energy use.
2. Replace high-emission equipment, such as lighting and HVAC, with energy-saving alternatives.
3. Reduce company vehicle gasoline consumption.
4. Utilize negative emissions technologies (carbon sinks).

For more information on the progress towards GHG reduction targets and goals by phase, please refer to 4.2 Energy and carbon management, and the TWSE carbon neutrality report (TWSE official website / About the TWSE / ISO Certification).