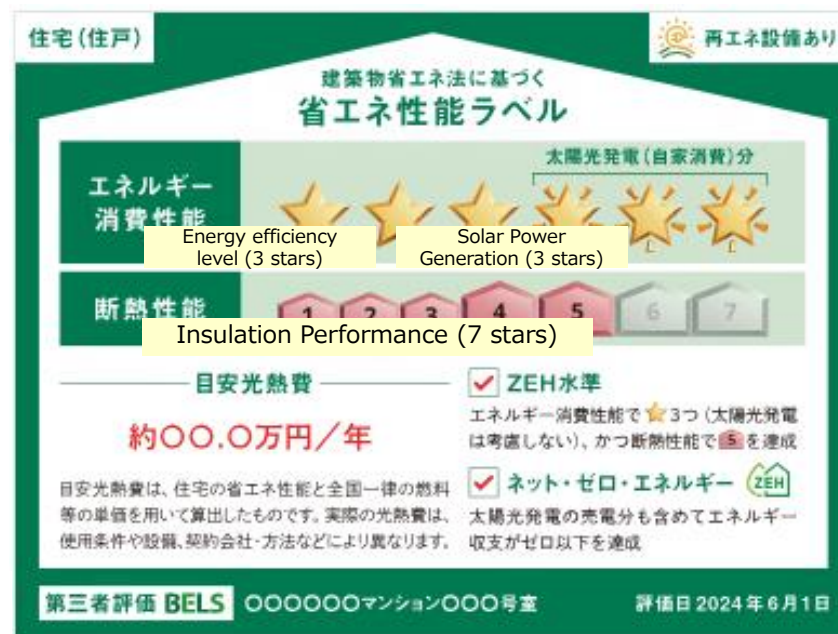


Decarbonization of housing and buildings



- 51% from “Commercial and others” and 66% from “Residential” compared to FY2013 (Japan’s NDC (2021), to be revised)
- Energy efficiency standards will be strengthened to net-zero level by 2030.
- Energy efficiency labeling was introduced, and real estate companies need to display a label in selling/lending housing and buildings.
- Financial supports utilizing GX Economy Transition Bonds are provided including subsidies for;
 - construction of “net zero” level housing and buildings
 - replacing windows with thermal insulated models and energy-efficient water heaters (EX. heat pumps)
- Total amount of major financial supports is approx. 3.2 billion USD in 2024.
- Japan aims to make all housing and buildings acquire energy efficiency of net-zero level on average in 2050.
- A new initiative to reduce whole life carbon has been just launched.



(Example of Energy Efficiency Label)