



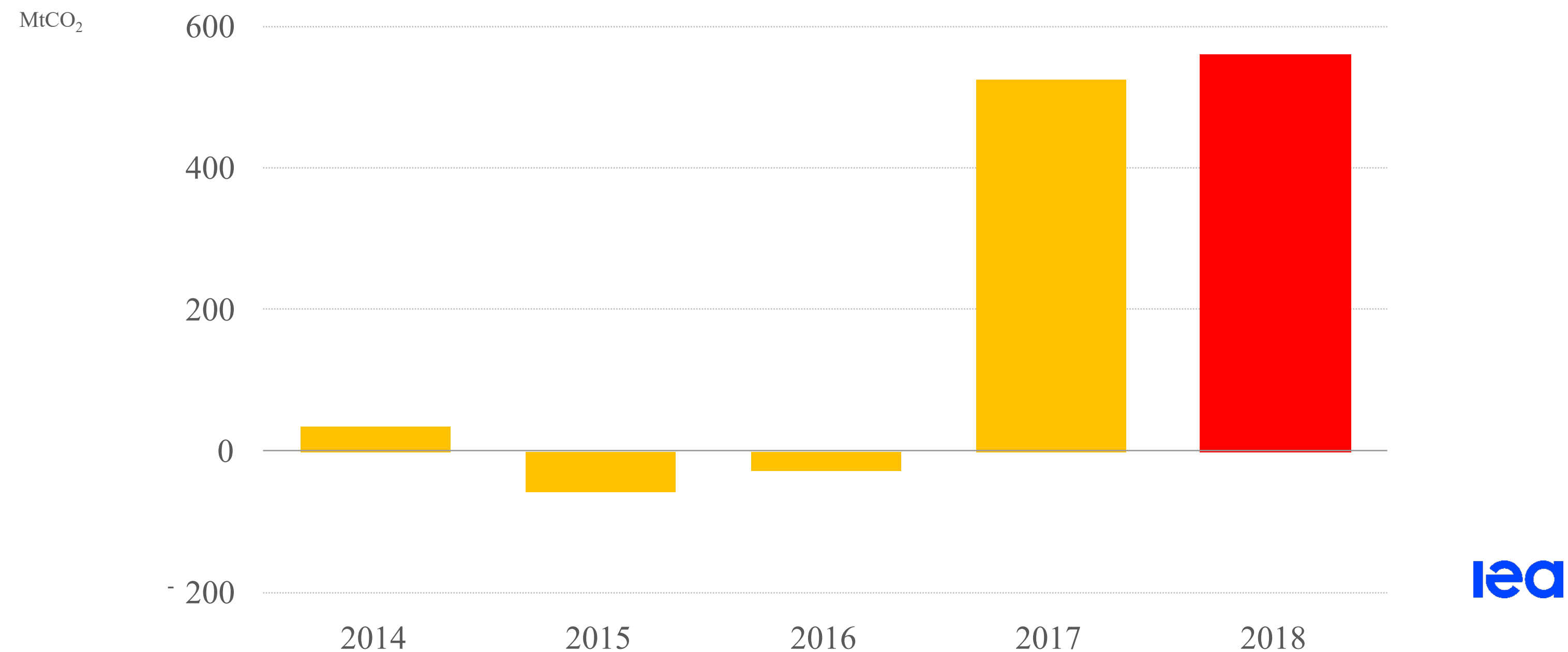
LESSONS LEARNED ON PUBLIC INTERACTIONS

Office of International Affairs

Assistant Secretary Theodore J. Garrish

Energy-related CO₂ emissions hit a record high in 2018

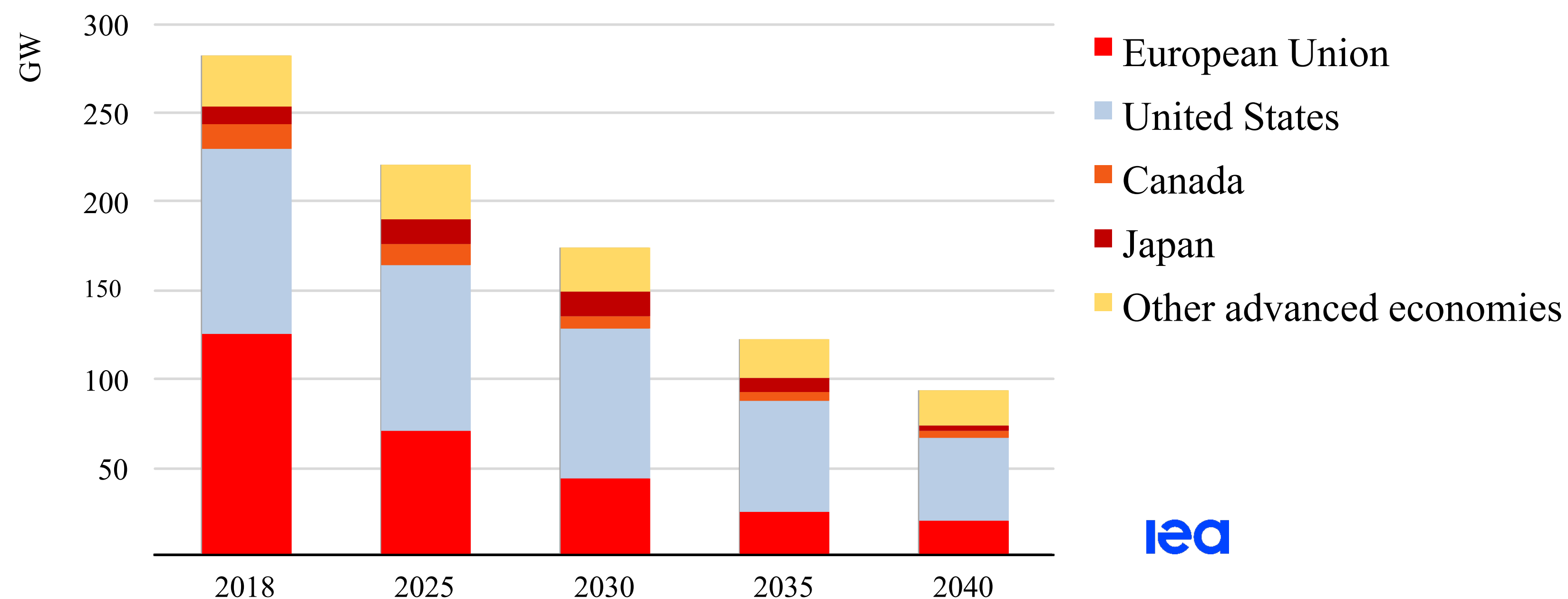
Annual change in global energy-related CO₂ emissions



The need to accelerate clean energy transitions is underscored by CO₂ emissions reaching a record high in 2018.

Nuclear could face a steep decline in advanced economies

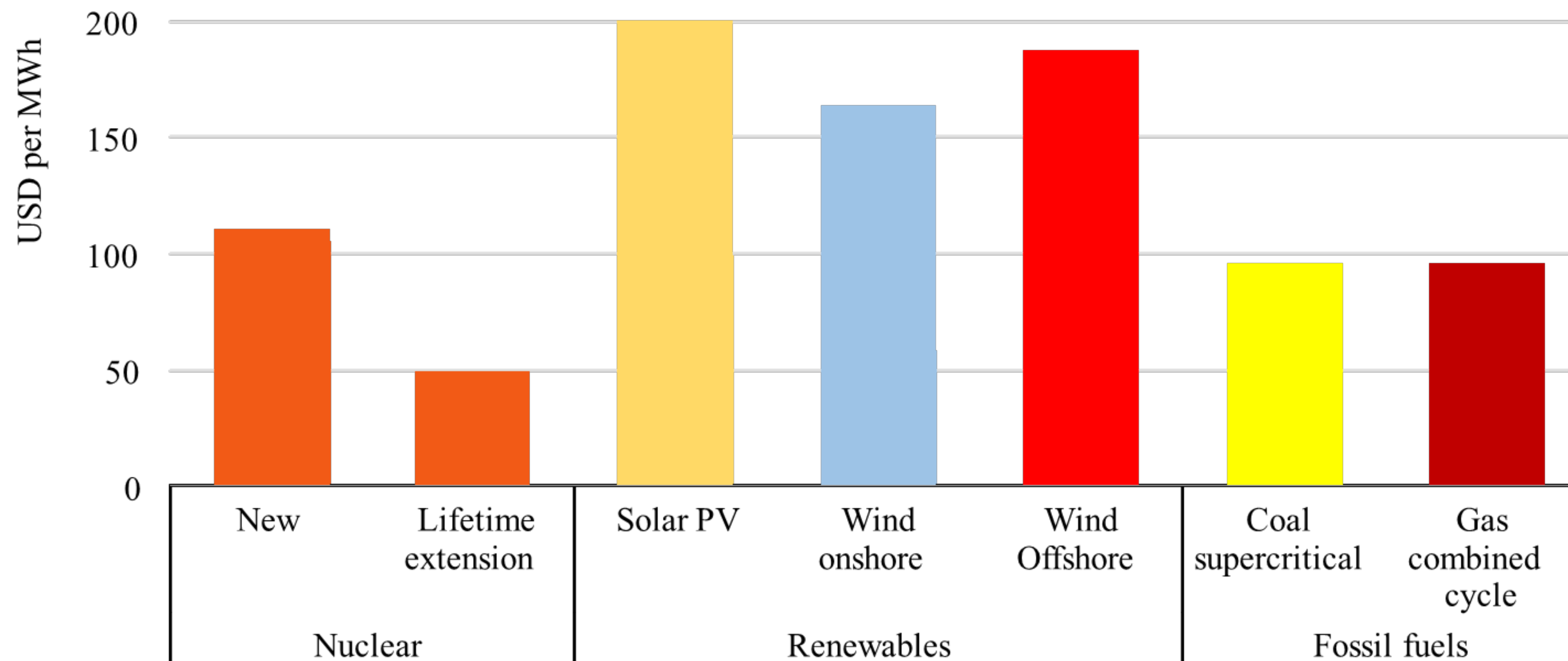
Nuclear power capacity (operational) in advanced economies in the
Nuclear Fade Case, 2018-2040



Without additional lifetime extensions or new projects, nuclear capacity in advanced economies would decline by two-thirds by 2040.

Nuclear lifetime extensions provide cheap clean electricity

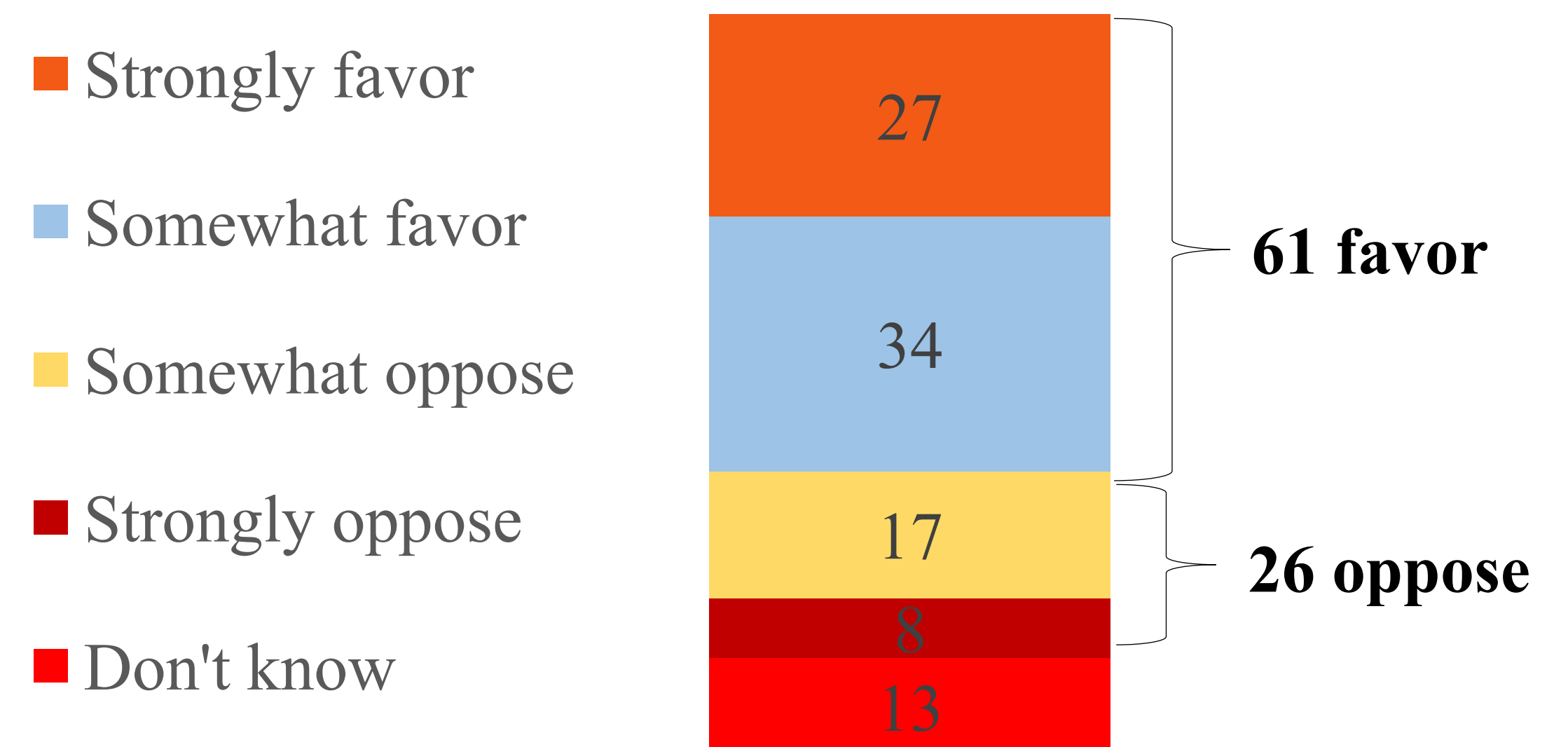
Levelised cost of electricity (LCOE) in Japan by technology in 2018



Nuclear lifetime extensions are cost-competitive with new solar and wind, and provide a dispatchable source of clean electricity.

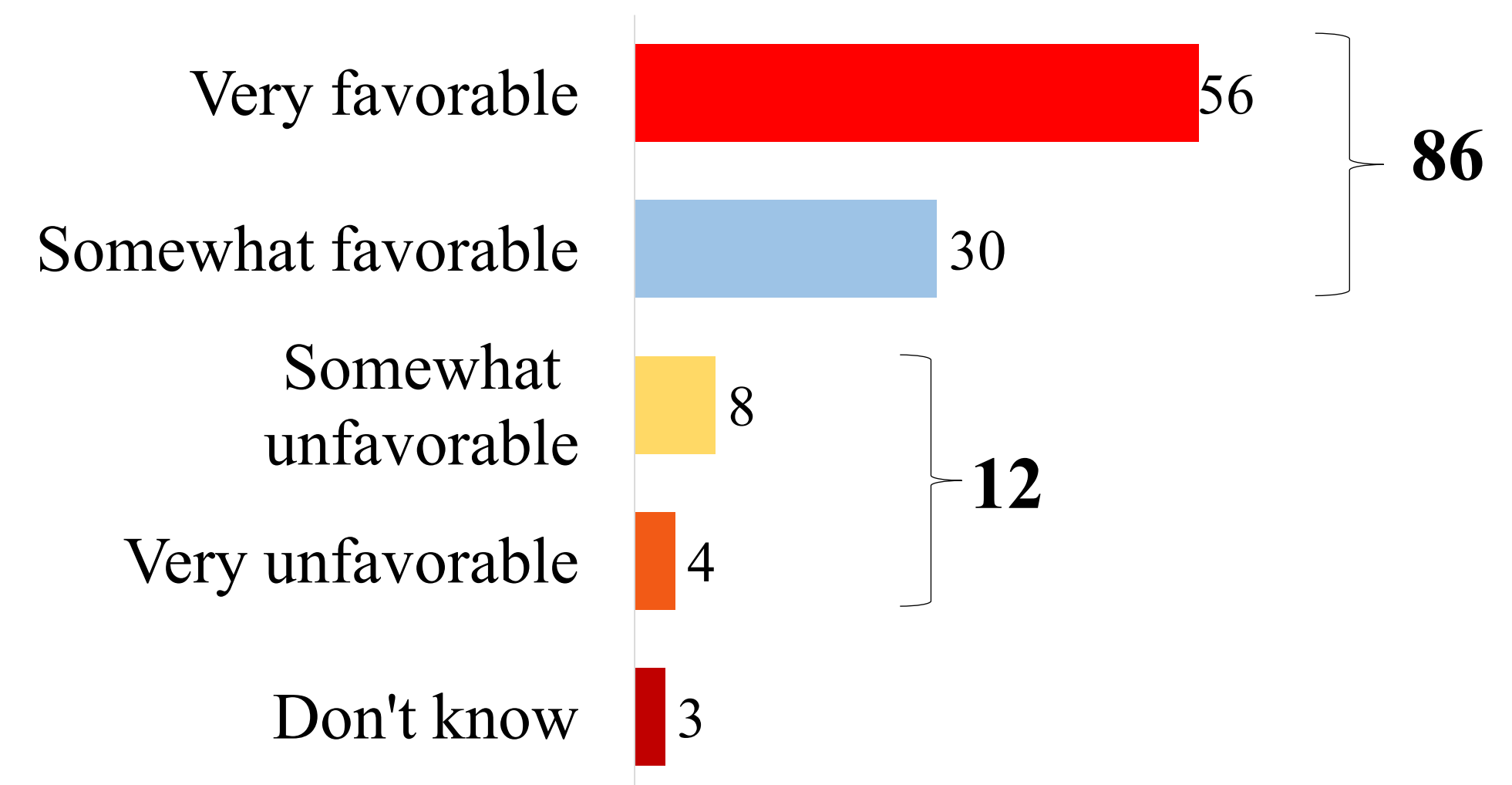
Energy-related CO2 emissions hit a record high in 2018

Overall, do you strongly favor, somewhat favor, somewhat oppose, or strongly oppose the use of nuclear energy as one of the ways to provide electricity in the United States? (%)



Plant Neighbors: 86% Have Favorable Impression of Nearby Nuclear Power Plant

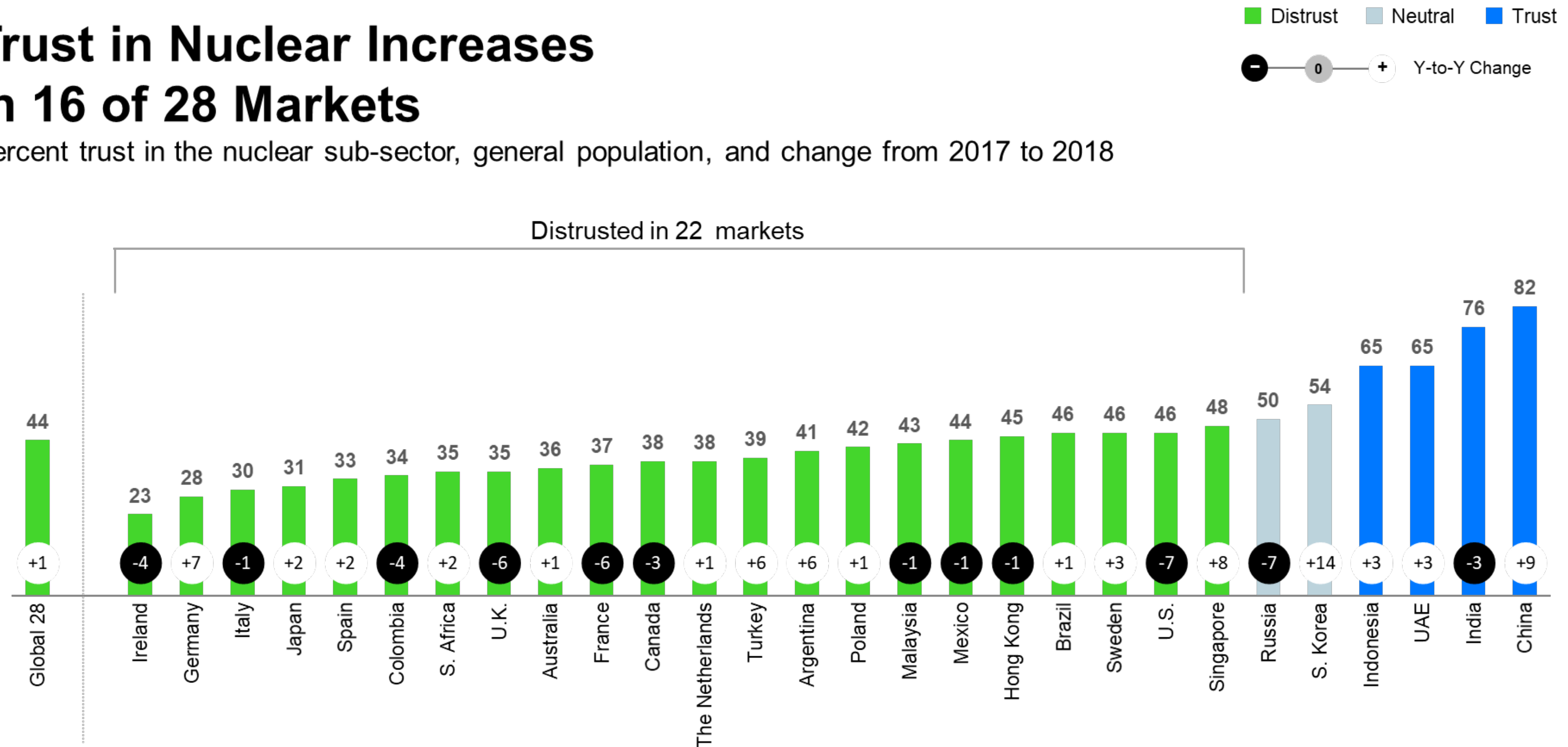
Thinking of the nuclear power plant closest to where you live, would you describe your general impression of this plant and the way it has operated recently as very favorable, somewhat favorable, somewhat unfavorable, or very unfavorable? (%)



Trust in Nuclear is Growing Globally

Trust in Nuclear Increases in 16 of 28 Markets

Percent trust in the nuclear sub-sector, general population, and change from 2017 to 2018



Source: 2018 Edelman Trust Barometer. TRU_SUB_ENE. Now thinking about specific sectors within the energy industry, please indicate how much you trust businesses in each of the following sectors to do what is right. Again, please use the same 9-point scale where one means that you "do not trust them at all" and nine means that you "trust them a great deal". (Top 4 Box, Trust), question asked of one-fifth of the sample. General population, 28-market global total.

Some Mechanisms for a Positive Image of Nuclear

- Publications that deal with advantages and refute misconceptions
- Educate your workers
- Outreach to communities by top officials— be visible
- Advisory groups (Citizens Advisory Boards)
- Engage young people
- Conduct tours

Conclusions

- Follow the “Golden Rule”
- Tell the whole truth
 - (Good and bad)
- Take Responsibility
- Don't have problems
- Safety first/nuclear culture
- Be the first to tell the public if there is a problem



Thank you.