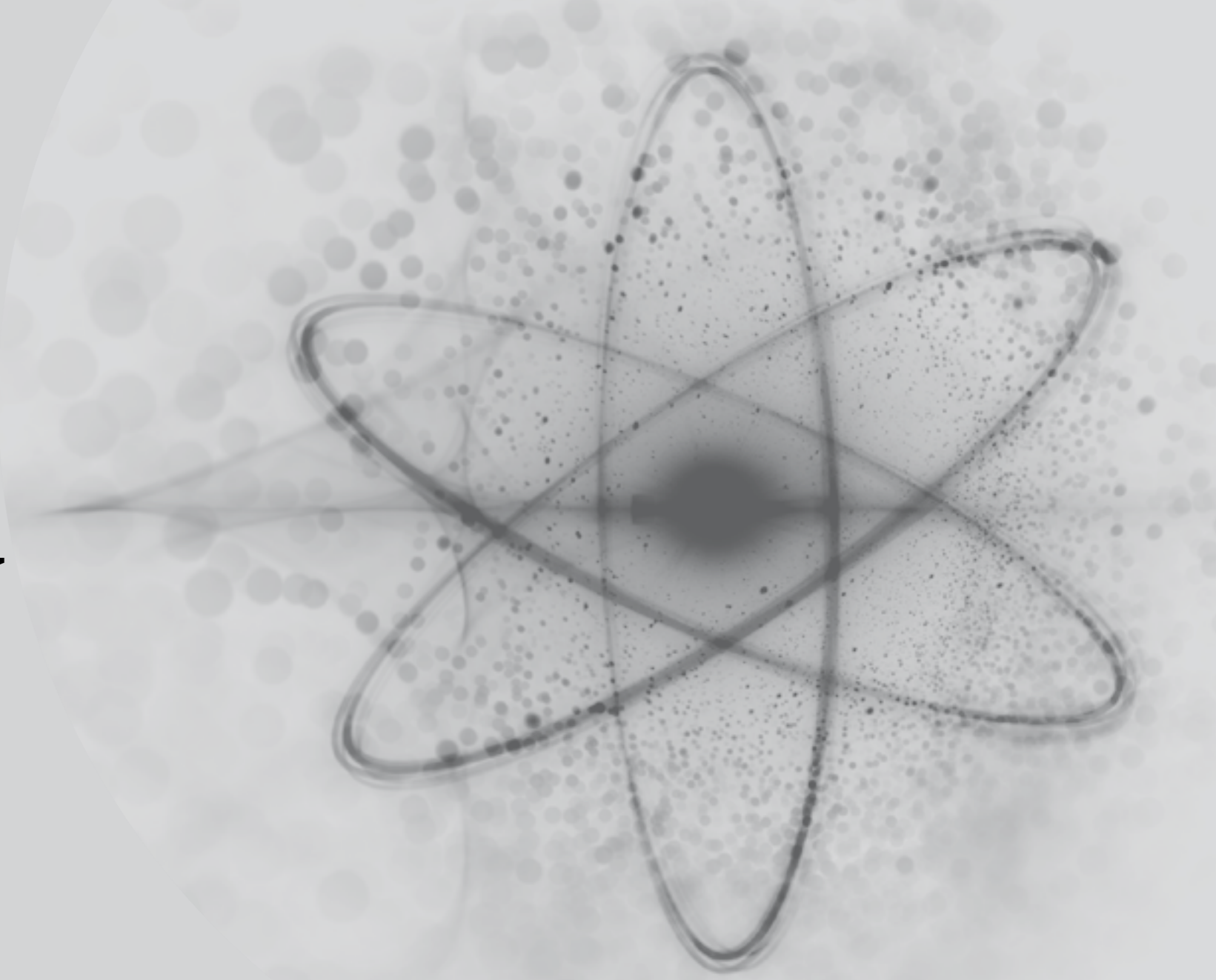
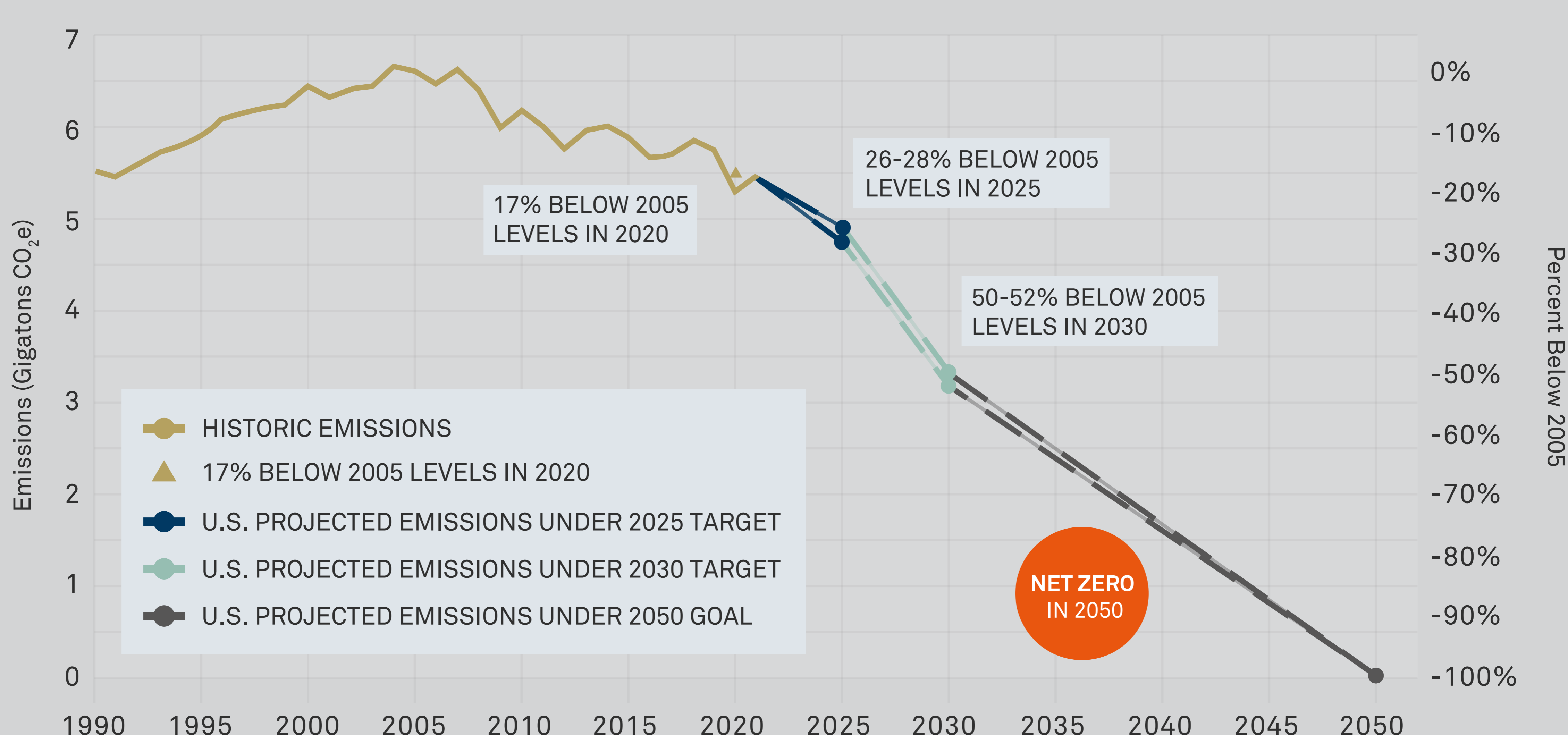


A new look at atomic energy



The US government has ambitious targets to reduce CO₂ emissions by 2050 on its road to net zero...

UNITED STATES HISTORIC EMISSIONS AND PROJECTED EMISSIONS UNDER THE 2050 GOAL FOR NET-ZERO

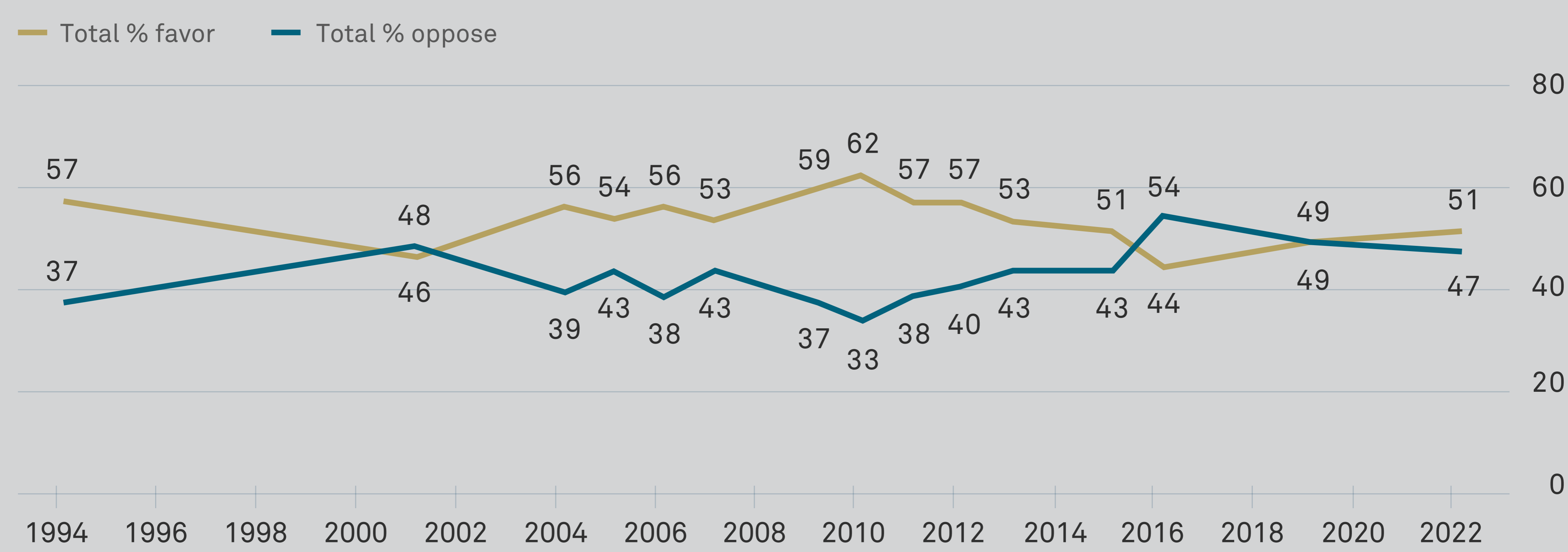


United States historic emissions and projected emissions under the 2050 goal for net-zero. This figure shows the historical trajectory of U.S. net GHG emissions from 1990 to 2019, the projected pathway to the 2030 NDC of 50-52% below 2005 levels, and the 2050 net-zero goal. The United States has also set a goal for 100% clean electricity in 2035; that goal is not an economy-wide emissions goal so does not appear in this figure, but it will be critical to support decarbonization in the electricity sector, which will in turn help the U.S. reach its 2030 and 2050 goals in combination with broad electrification of end uses.

Source: The Long-Term Strategy of the United States: Pathways to Net-Zero Greenhouse Gas Emissions by 2050. Published by the United States Department of State and the United States Executive Office of the President, Washington DC. November 2021.

...with energy providers in the spotlight and as the public mood once again appears more favourable to atomic energy...

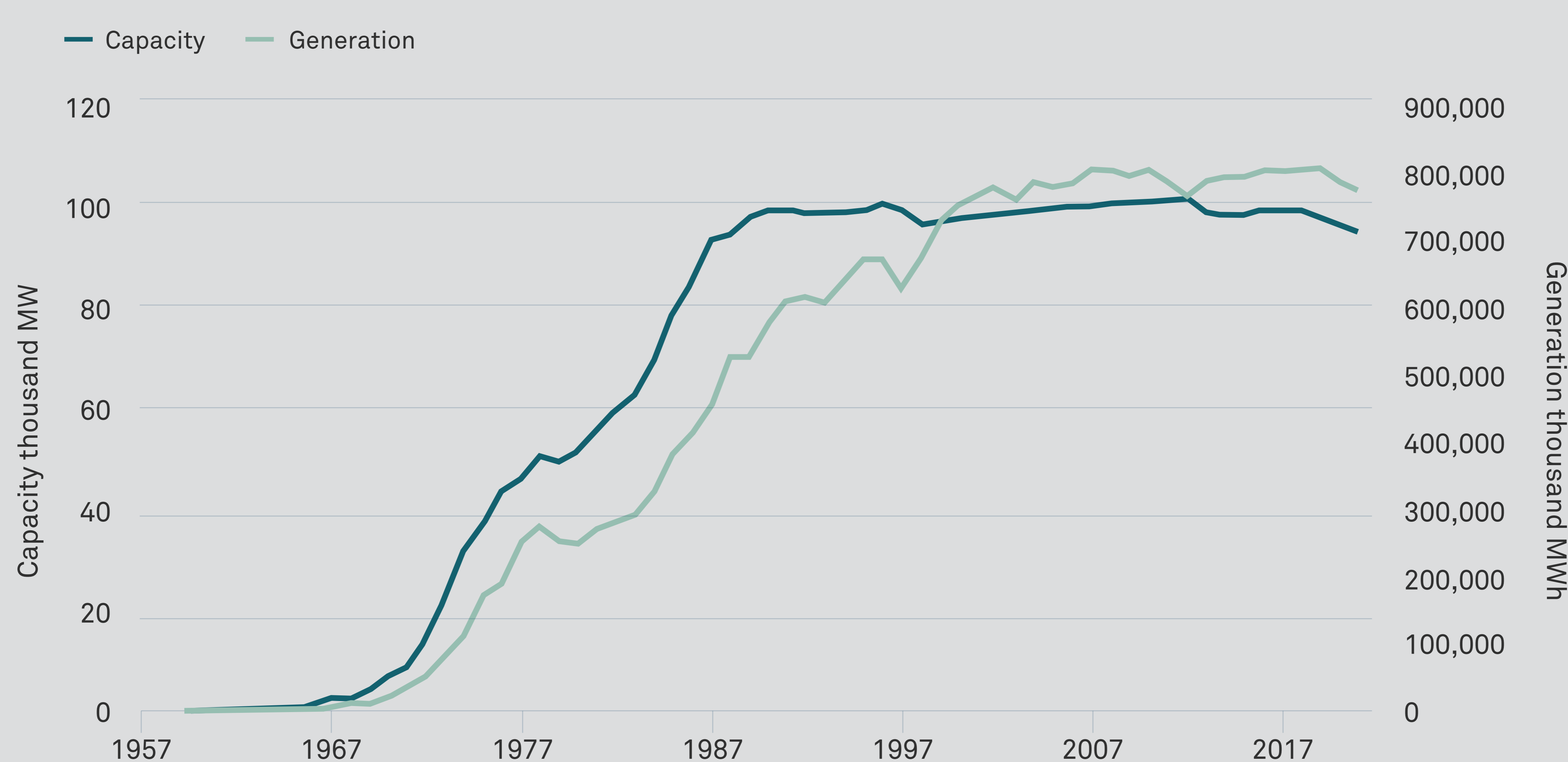
NUCLEAR ENERGY: DO YOU STRONGLY FAVOUR, SOMEWHAT FAVOUR, SOMEWHAT OPPOSE OR STRONGLY OPPOSE THE USE OF NUCLEAR ENERGY AS ONE OF THE WAYS TO PROVIDE ELECTRICITY FOR THE U.S.?



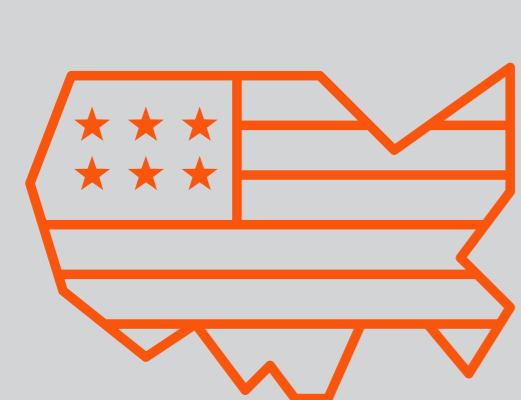
Source: Gallup's annual Environment survey, conducted 1-18 March, 2022. Results for this Gallup poll were based on telephone interviews conducted March 1-18, 2022, with a random sample of 1,017 adults, aged 18 and older, living in all 50 U.S. states and the District of Columbia. For results based on the total sample of national adults, the margin of sampling error is ±4 percentage points at the 95% confidence level. All reported margins of sampling error include computed design effects for weighting.

...could nuclear power, including new small modular reactor (SMR) technology, hold the key?

U.S. NUCLEAR ELECTRICITY GENERATION CAPACITY AND GENERATION, 1957-2021



Source: U.S. Energy Information Administration, *Monthly Energy Review*, Table 8.1, March 2022, preliminary data for 2021. Note: Capacity is net summer. Net Summer Capacity: Steady hourly output that generating equipment is expected to supply to system load, exclusive of auxiliary power, as shown by measurements at time of peak demand (summer). MW is megawatts; MWh is megawatthours.



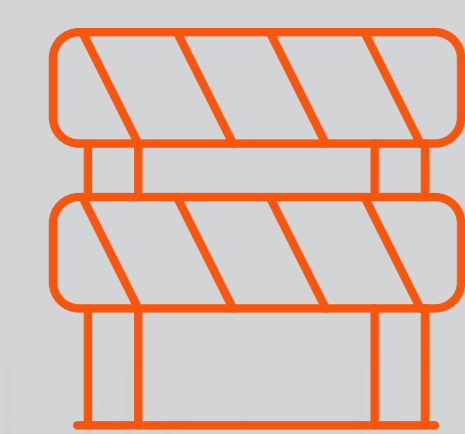
30%+

of worldwide nuclear generation of electricity is accounted for by the US.¹



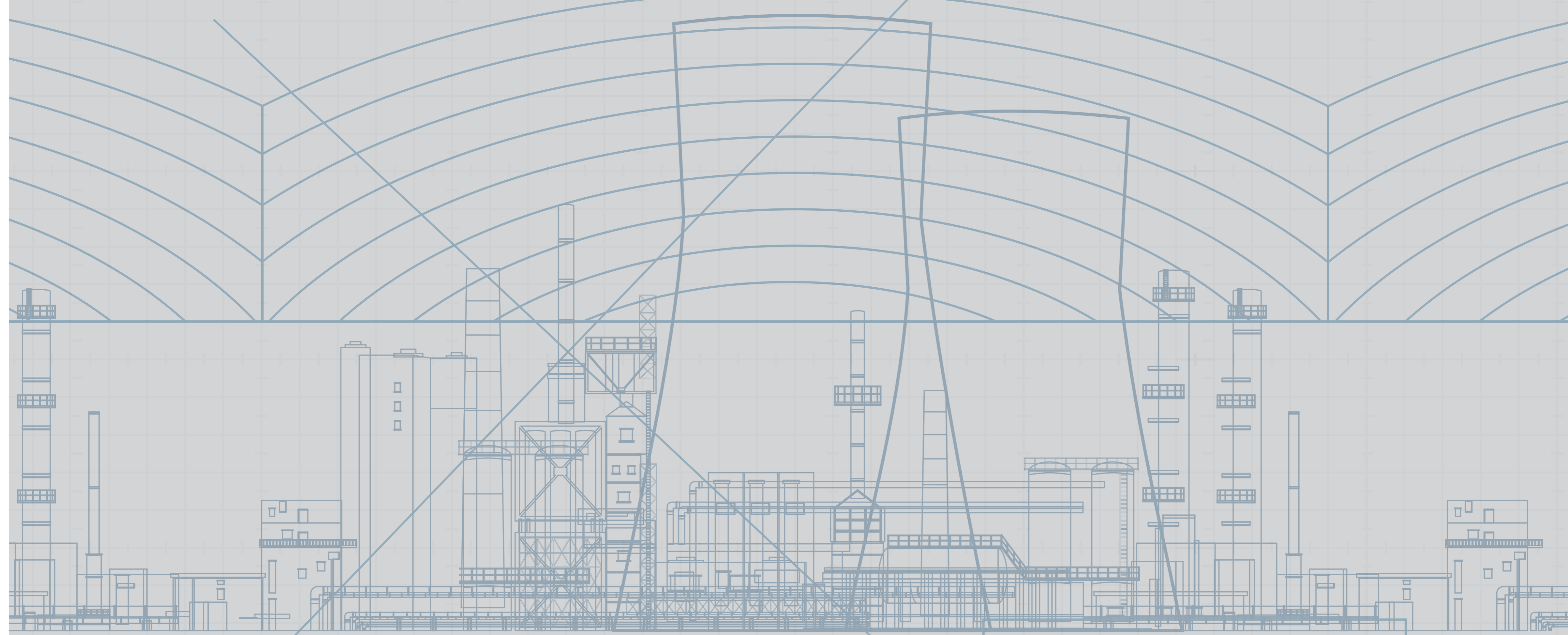
93

operating commercial US nuclear reactors at 55 nuclear power plants in 28 states.²



2

new reactors currently under construction in Georgia due to come online before 2023.³



¹ World Nuclear Association. Nuclear power in the USA. May 2022.
² EIA. Nuclear explained U.S. nuclear industry as at May 2022.
³ Ibid.