Goal Options as formulated by Japan's Mid-Term Target Committee

Case 1: **Long-term energy demand projection**

Japan's reduction goal comparable to U.S. and EU goals:
-4% of 2005 level +4% of 1990 level

Case 2: **Equivalent of Japan's share of developed countries' total average reduction rate** (= down 25% from the 1990 level, identical marginal abatement cost per ton-CO_2)

Japan's goal = x 1.4-4.7 compared to U.S./EU:
-6 to -12% of 2005 level +1 to -5% of 1990 level

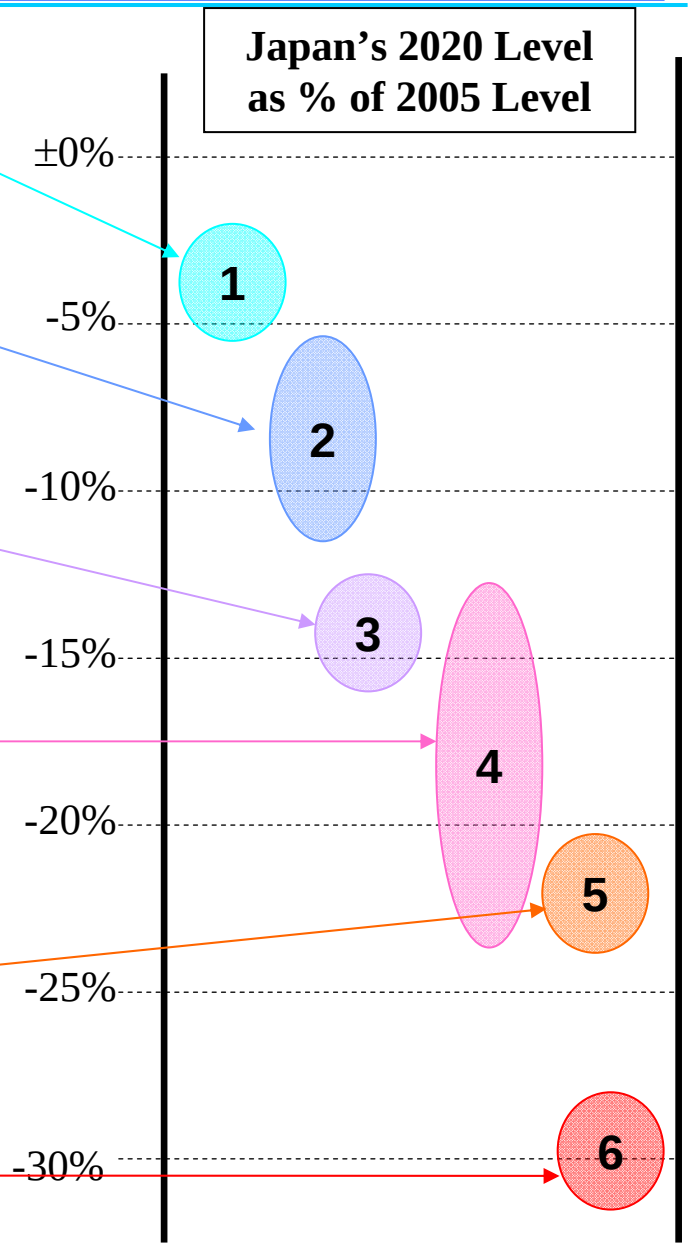
Case 3: **Revised long-term energy demand projection (with voluntary maximum possible introduction of optimally energy-efficient new machinery/equipment)**

Japan's goal = x 2.1-5.3 compared to U.S./EU:
-14% of 2005 level -7% of 1990 level

Case 4: **Equivalent of Japan's share of developed countries' total average reduction rate** (= down 25% from the 1990 level, same cost burden rate as percent of GDP)

-13 to -23% of 2005 level -8 to -17% of 1990 level

Case 5: **Stepped-up/mandatory introduction of new machinery/equipment (with all new machinery/equipment introduced being optimally energy-efficient, and mandatory partial replacement of existing machinery/equipment)**

Japan's goal = x 4.6-8.2 compared to U.S./EU:
-21 to -22% of 2005 level -15% of 1990 level

Case 6: **A single common reduction rate for all developed countries (**= down 25% from the 1990 level, **with mandatory replacement of all machinery/equipment with optimally energy-efficient new machinery/equipment)**
-30% of 2005 level -25% of 1990 level