

Table L4. Aircraft efficiency, Reference case

seat miles per gallon

Aircraft type and vintage	2022	2025	2030	2035	2040	2045	2050	Average annual percentage change, 2022–2050
Narrow body aircraft								
New	84.5	86.9	90.5	94.4	98.3	102.3	106.5	0.8%
Stock	77.3	79.4	82.4	86.1	90.0	93.9	97.8	0.8%
Wide body aircraft								
New	107.0	110.0	114.4	119.0	123.7	128.6	133.7	0.8%
Stock	98.9	102.0	104.8	108.4	112.5	117.5	122.8	0.8%
Regional jets								
New	54.6	56.9	59.7	62.5	65.3	68.1	70.8	0.9%
Stock	52.6	54.1	55.9	58.0	60.1	62.4	64.6	0.7%
Average aircraft								
New	87.6	91.7	95.6	99.6	103.7	107.9	112.3	0.9%
Stock	80.8	84.5	87.4	91.0	94.7	98.9	103.1	0.9%

Data source: U.S. Energy Information Administration, World Energy Projection System (2023), run r_230822.081459 and Annual Energy Outlook 2023 (March 2023), www.eia.gov/aeo

Note: Totals may not equal sum of components due to independent rounding.