

Electrification of commercial cooking

Currently all lighting and most appliances are powered by electricity; for cooking there is a choice between gas and electricity. In 2012, an estimated 48% of commercial cooking was electrified, with the remaining 52% gas-powered.

Commercial cooking energy demand is assumed to scale with population.

Level 1

Level 1 assumes that the cooking technology mix remains the same as in 2012.

Level 2

Level 2 assumes that by 2050 the share of commercial cooking powered by electricity increases to 60%.

Level 3

Level 3 assumes 75% of commercial cooking is electrified by 2050.

Level 4

Level 4 assumes that all cooking uses electricity by 2050.

