

Service Sector Cooking

Cooking and other commercial heating activities are the major energy consumers of the service sectors. They account for about 54% of the energy supplied to the sectors. Cooking in this sector is about 80% fuelled by traditional biomass (ECN, 2010). The use of liquefied petroleum gas (LPG), is quite marginal and making the percentage use of unclean energy system on a very high side. For efficient consumption of energy and safer environment, a gradual shift from traditional to modern clean energy source will help bring down demand and pollution rate.

Level 1

Level 1 assumes inefficient practices will continue. Traditional fuels will continue to dominate the supply of energy in service sectors for cooking and heating services. The energy demand will grow with increase economic activities, the energy demand will be 45.2TWh by 2050.

Level 2

Level 2 assumes uptake of LPG for cooking and improve efficiency in cooking stoves and water heating, will reduce the percentage usage of traditional biomass for cooking and heating purposes in the service sector. In this level, the energy demand will reduce to 40.7TWh which is about 30% reduction in fuelwood.

Level 3

Level 3 assumes high use of LPG in the service sectors for cooking and water heating, thereby reducing the use of traditional biomass. The use of electricity for cooking will be significant. There will be a further reduction in energy demand to 36.1TWh. LPG will contribute 25% of the total energy demand, thereby reducing the share of fuelwood by 50%.

Level 4

Level 4, assumes full dependence of the use of electricity and LPG in service sectors. Traditional biomass will have minimal contribution of about 16% and the use of more efficient cooking stoves will further reduce the energy demand for cooking and hot water heating. The energy demand will be 31.6TWh. With both Electricity and LPG contributing 20% and 40% share respectively. Kerosene will substitute fuelwood as source of fuel in the sector, contributing about 24%.



Commercial Cooking

