

**Mauritius 2050 Pathways Calculator**  
**(Version 1)**  
**Manufacturing Sector**

The manufacturing industry sector in Mauritius includes the sugar industry, textile industry, food processing, the manufacture of chemicals and metal products. There has been a drop in energy consumption in the manufacturing sector from 269 ktoe in 1994 to 212 ktoe in 2013,<sup>1</sup> which reflects the decreasing contribution of this sector in the total economic output of Mauritius.

*Definition of trajectories*

In version 1 of the Mauritius 2050 Pathways Calculator, the three trajectories for energy demand in the manufacturing industries are defined by two levers, namely (1) growth in industrial output, and (2) changes in energy intensity. Energy intensity is defined by three parameters: (i) the growth in energy demand multiplier; (ii) the proportions of different fuels used in industrial processes, and (iii) the growth in process emission intensity. The parameters for industry output growth and the fuel proportions used in industrial processes are specified for two time intervals – i.e. 2007 to 2025, and 2025 to 2050.

Industry output growth

Trajectory	2007 - 2025	2025 - 2050
A	1.5% pa	0.5% pa
B	4.5% pa	2.0% pa
C	4.5% pa	2.5% pa

Energy intensity

*Growth in energy demand multiplier and growth in process emission intensity*

Trajectory	Growth in energy demand multiplier	Growth in process emission intensity
A	0.8% pa	0.0% pa
B	-1.9% pa	-2.0% pa
C	-2.5% pa	-4.0% pa

*Fuel proportions by type*

Trajectory	2007-2025				2025 - 2050			
	Electric	SH	LH	GH	Electric	SH	LH	GH
A <sup>2</sup>	39%	6%	53%	2%	39%	6%	53%	2%
B	40%	5%	50%	5%	40%	4%	45%	11%
C	41%	4%	45%	10%	43%	2%	40%	15%

Notes: Electric – Electricity; SH – solid hydrocarbons; LH – liquid hydrocarbons; GH – gaseous hydrocarbon

<sup>1</sup> Central Statistics Office (2004) & Statistics Mauritius (2014).

<sup>2</sup> The proportion of fuel type is the same as that in 2007.