

**Mauritius 2050 Pathways Calculator**  
**(Version 1)**  
***Commercial cooling***

With a rise in temperature as a result of climate change, air conditioning in commercial buildings in Mauritius is gradually increasing. Being a high energy consumer, it is desirable to replace air conditioners with more energy efficient cooling appliances such as chillers or to promote maximum natural ventilation in the design of commercial buildings.

*Definition of trajectories*

In version 1 of the Mauritius 2050 Pathways Calculator, the four levels for commercial cooling demand are defined as follows:

<b>Level 1</b>	Level one assumes a high cooling demand for commercial buildings in 2050 which is 2.5 times higher than in 2010.
<b>Level 2</b>	Level two assumes that cooling demand is 2 times higher in 2050 than in 2010.
<b>Level 3</b>	Level three assumes that cooling demand is 1.5 times higher in 2050 than in 2010..
<b>Level 4</b>	Level four assumes that cooling demand in 2050 is the same as in 2010 due to design of newly built commercial buildings which promote maximum natural ventilation and aggressive improvement in the insulation of existing commercial buildings.