

**Mauritius 2050 Pathways Calculator**  
**(Version 1)**  
***Wave energy***

The LTES does not make any provisions for the development of wave (or hydrokinetic) energy. There is, however, an ongoing body of research on the development of ocean renewable energies by the Mauritius Research Council (MRC) that covers hydrokinetic power generation. The Mauritius 2050 Pathways Calculator has considered the generation of electricity using wave energy. Alternatives such as tidal (tidal range and tidal stream) are not considered here.

*Definition of trajectories*

In version 1 of the Mauritius 2050 Pathways Calculator, the four levels for wave power development are defined as follows:

<b>Level #</b>	<b>Description</b>
<b>Level 1</b>	No wave power is developed in the 2050 time horizon.
<b>Level 2</b>	No wave power is developed in the 2050 time horizon reflecting the lack of this option in the LTES.
<b>Level 3</b>	A total of 20 MW of wave energy capacity is installed by 2050. Installations start in 2035 at a rate of 5 MW every 5 years until 2050.
<b>Level 4</b>	A total of 30 MW of wave energy capacity is installed by 2050. Installations start in 2030 with 5 MW installed and increasing 30 MW in 2050. Five (5) MW is installed in each of 2030, 2035 and 2040. In 2045 and 2050 each, 7.5 MW new capacity is installed.