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## **1 RENEWABLE ENERGY - Councillor Edwina Clifton**

**File Number:** CLM/18/1/1/6 - BP18/1318

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### **BACKGROUND:**

In October 2018, the United Nations released a report from it's IPCC (Intergovernmental Panel on Climate Change) - comparing the impact of climate change between 1.5 degrees and 2 degrees and outlining an urgent need for world wide action.

Modeling showed that at 1.5 degrees warmer 70% to 90% of coral reefs will be extinguished world wide.

A 2 degree increase will see 99% of all coral reefs, and the creatures that depend upon them, dead.

60% of the Great Barrier Reef is already dead, bleaching is a euphemism - the coral is white because it is dead.

Based on current modeling, world temperatures are tracking towards a 3.7 to 4 degree increase unless a massive, cohesive world wide effort is undertaken to reduce emissions.

Australia will experience heatwaves predicted at 50 degrees in Sydney and lasting much longer, extreme bushfires will be fueled by massive temperatures and long lasting droughts will have a serious impact on local food production.

As temperatures rise, the level of moisture that is absorbed into the atmosphere also increases and will cause increasingly extreme cyclonic weather events, massive floods and life threatening storm fronts. Erosion along the coast line will result in losses of entire beaches and the combined effects of climate change will lead to a previously unseen extinction level of animals, habitat and flora.

The World Health Organisation forecasts that around 1/4 million additional deaths annually will be attributable to climate change.

The only solution is to reduce CO2 emissions.

**NOTICE OF MOTION 1 (continued)****MOTION:**

That Council seek a report to demonstrate how a Renewable Energy Target (RET) can be mandated by 30 June 2030, to achieve at least 60% (sixty per cent) of all electricity usage for which Ryde Council is financially responsible, (that is, electricity consumed by the operations and services of Ryde Council and for which it is invoiced and legally obliged to pay). This reduction shall be derived from a recognised renewable energy source including but not limited to solar power, wind power, hydro power and wave power and specifically not be sourced from any electricity that is generated by utilizing coal in any means or methods in the production cycle of such electricity.