



CONVENT OF THE HOLY INFANT JESUS (TOA PAYOH), SINGAPORE

The Carbon Cut

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The issue of global warming, once treated as nothing more than a conspiracy theory, has since been scientifically proven to be happening and has been propelled to the spotlight by governments worldwide. This is due to its dreadful consequences such as: increased numbers of natural disasters, melting Arctic ice caps, damage to marine ecosystems, just to list a few. Of all the greenhouse gases in the earth's atmosphere, carbon dioxide is the second most abundant, and the one we can most easily control. As a result, there is a pressing need for countries to reduce their carbon emissions. We will be using Singapore as a case study, evaluating current measures and proposing new ones that will reduce our country's carbon footprint while maintaining economic competitiveness in a globalising world. In Singapore, the main contributors of carbon dioxide are: Electricity generation, industries and transport. These three contribute to nearly 98% to the total amount of carbon dioxide produced. We plan to assess current methods used to control carbon emissions in Singapore, such as Biofuel, the Green Building Masterplan, City within a Garden initiative. Our research will also include finding new measures that are effective and viable such as solar energy, nuclear energy and various individual measures among others, in leveling the amount of carbon dioxide emitted.