

## **Challenge of Net-Zero Carbon Construction and Measurement of Energy Consumption and Carbon Emission Reduction to Climate Change, Economy and Job Growths in Hong Kong and Australia**

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**Abstract :** Under the Paris Agreement 2015, the countries committed to address and combat the climate change and its negative impacts and agree to the target of reducing the global greenhouse gas (GHG) emission substantially by limiting the global temperature to 20C above the pre-industrial level in this century. A internationally Submit named " 26th United Nations Climate Conference" (COP26) was held in Glasgow in 2021 with all committed countries agreed to the finalize the outstanding element in Paris Agreement and Glasgow Climate Pact to keep 1.50C. In this paper, we will focus on the basic approach of waste strategy, recycling policy, circular economy strategy, net-zero strategy and sustainability strategy and the importance of the elements which affect the carbon emission, waste generation and energy conservation will be further reviewed with recommendation for future study.

**Keywords :** net-zero carbon, climate change, carbon emission, energy consumption

**Conference Title :** ICASEEA 2022 : International Conference on Architecture, Sustainable Environment and Engineering Applications

**Conference Location :** Tokyo, Japan

**Conference Dates :** January 07-08, 2022