Accepted Manuscript

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PII: S0959-6526(16)31051-4

DOI: 10.1016/j.jclepro.2016.07.155

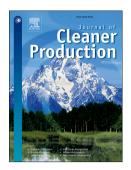
Reference: JCLP 7727

To appear in: Journal of Cleaner Production

Received Date: 20 May 2016 Revised Date: 10 July 2016 Accepted Date: 25 July 2016

Please cite this article as: Wang Z, Guo D, Wang X, Determinants of residents' e-waste recycling behaviour intentions: Evidence from China, *Journal of Cleaner Production* (2016), doi: 10.1016/j.jclepro.2016.07.155.

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Determinants of residents' e-waste recycling behaviour intentions:

evidence from China

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Abstract: This research analyses the factors influencing residents' e-waste recycling behaviour

intentions and focuses on the effect of residents' Perceptions of informal recycling on their recycling

behaviour intentions. For this purpose, we have developed a reliable scale, and investigated Chinese

residents from China's seven geographic regions and 22 provinces. Based on the theory of planned

behaviour (TPB), we used a structural equation model to analyse the factors affecting resident

e-waste recycling behaviour intentions. The results showed that the key influencing factors were:

environmental awareness, attitude towards recycling, perceptions of informal recycling, income and

costs of recycling, and norms and publicity which indirectly affected resident behaviour intentions

towards e-waste recycling by way of the intervening variable perceptions of informal recycling:

norms and publicity has a positive impact on perceptions of informal recycling. Finally, based on the

above findings, the paper puts forward some policy proposals.

Keywords: E-waste; Recycling behaviour; Perceptions of informal recycling; theory of planned

behaviour.

1. Introduction

With the improvement of the world economy and the rapid development of its electrical industry,

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