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sources [2]. Fig. 1 shows an overview of renewable energy sources [3,4]. Renewable energy technologies turn these natural energy sources into usable forms of energy--electricity, heat and fuels. Fig. 2 illustrates the ability of renewable energy sources to provide over 3000 times the current global energy needs [5].

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Sustainable wind energy planning through ecosystem service impact valuation and exergy: A study case in south-central Chile Yenisleidy Mart#237;nez-Mart#237;nez, Jo Dewulf, Mauricio Aguayo, Yannay Casas-Led#243;n

124 D. Coakley et al. / Renewable and Sustainable Energy Reviews 37 (2014) 123-141. 1.2. Benefits of BEPS While the initial focus of BEPS tools was primarily on the design phase, simulation is now becoming increasingly relevant in post-construction phases of the building life-cycle (BLC), such as

renewable energy production to achieve the sustainable goal initiated by the European Union to reduce 20% of the carbon dioxide and energy consumption by 2020 [1]. Being one of the primary sources for edible oil,

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