Record Nr. UNINA9910253985003321 Autore Zachariadis Theodoros Titolo Social Costs and Benefits of Renewable Electricity Generation in Cyprus // by Theodoros Zachariadis, Costas Hadjikyriakou Pubbl/distr/stampa Cham:,: Springer International Publishing:,: Imprint: Springer,, 2016 **ISBN** 3-319-31535-8 Edizione [1st ed. 2016.] Descrizione fisica 1 online resource (53 p.) Collana SpringerBriefs in Energy, , 2191-5520 Disciplina 621.042 Soggetti **Energy policy** Energy and state Renewable energy resources Engineering economics Engineering economy Environmental economics Energy Policy, Economics and Management Renewable and Green Energy Engineering Economics, Organization, Logistics, Marketing **Environmental Economics** Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references at the end of each chapters. Nota di contenuto 1. Introduction -- 2. State of the art of power generation in Cyprus --3. Methodology -- 4. Data -- 5. Results. This book presents an economic cost-benefit assessment of the Sommario/riassunto penetration of renewable power generation in Cyprus up to 2030. Unlike a purely financial appraisal, we employ a social cost-benefit analysis that is mainly relevant for policy makers, taking into account apart from direct financial costs – external costs and benefits from the diffusion of renewable electricity. The book presents a comprehensive yet straightforward case study, probably the first one conducted for Cyprus. Electricity produced by renewable sources increased worldwide at its fastest rate to date in 2014. Driven by policies to mitigate climate change, enhance energy security and reduce air pollution, and by

declining costs of major technologies, renewables account for almost

all net new power generating capacity in the developed world. In this context, Cyprus is increasingly adopting renewable power generation as well. In addition to its energy and environmental commitments as a member of the European Union, the country wishes to diversify its energy supply in order to drive down electricity costs and reduce energy supply risks. A significant deployment of renewable electricity is foreseen in the coming decades. Is it economically justified for a small country with an isolated electric system like Cyprus.