Record Nr. UNINA9910437913503321 Autore Yang Ming Titolo Closing the gap: GEF experiences in global energy efficiency / / Ming Yang Pubbl/distr/stampa London, : Springer, 2013 **ISBN** 1-283-91020-9 1-4471-4516-X Edizione [1st ed. 2013.] Descrizione fisica 1 online resource (218 p.) Disciplina 363.7 Soggetti Energy policy - Economic aspects **Energy consumption** Energy policy Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Includes bibliographical references. Nota di bibliografia Nota di contenuto Chapter 1: Introduction -- Chapter 2: Background And Literature Review On Energy Efficiency Gaps -- Chapter 3: Overview Of GEF Mandate In Energy Efficiency -- Chapter 4: A Representative Energy Efficiency Project -- Chapter 5: Quantitative Methodology, Data Analysis, And Assumptions -- Chapter 6: GEF Energy Efficiency Investment Portfolio -- Chapter 7: Cost-Effectiveness Of Energy Efficiency Investments -- Chapter 8: Completed Energy Efficiency Projects: A Portfolio-Level Analysis Of Funding -- Chapter 9: Energy Efficiency Projects That Move Slowly -- Chapter 10: Conclusions And Implications. Sommario/riassunto Energy efficiency plays and will continue to play an important role in the world to save energy and mitigate greenhouse gas (GHG) emissions. However, little is known on how much additional capital should be invested to ensure using energy efficiently as it should be, and very little is known which sub-areas, technologies, and countries shall achieve maximum greenhouse gas emissions mitigation per dollar of investment in energy efficiency worldwide. Analyzing completed and slowly moving energy efficiency projects by the Global Environment

Facility during 1991-2010, Closing the Gap: GEF Experiences in Global Energy Efficiency evaluates impacts of multi-billion-dollar investments

in the world energy efficiency. It covers the following areas:

- 1. Reviewing the world energy efficiency investment and disclosing the global energy efficiency gap and market barriers that cause the gap; 2. Leveraging private funds with public funds and other resources in energy efficiency investments; using these funds in tangible and intangible asset investments; 3. Investment effectiveness in dollars per metric ton of CO2 emissions mitigation in 10 energy efficiency sub-areas; 4. Major barriers causing failure and abandonments in energy efficiency investments;
- 5. Quantification of direct and indirect CO2 emissions mitigations inside and outside a project boundary; and 6. Classification and estimation of CO2 emissions mitigations from tangible and intangible asset investments. Closing the Gap: GEF Experiences in Global Energy Efficiency can serve as a handbook for policymakers, project investors and managers, and project implementation practitioners in need of benchmarks in energy efficiency project investments for decision-making. It can also be used by students, researchers and other professionals in universities and research institutions in methodology development for evaluating energy efficiency projects and programs.