

1. Record Nr.	UNINA9910219978203321
Autore	Samaras Constantine
Titolo	Characterizing the U.S. industrial base for coal-powered electricity [[electronic resource] /] / Constantine Samaras ... [et al.]
Pubbl/distr/stampa	Santa Monica, Calif., : RAND Corp., 2011
ISBN	1-280-12689-2 9786613530752 0-8330-5921-1
Descrizione fisica	1 online resource (190 p.)
Collana	RAND Corporation monograph series Characterizing the U.S. industrial base for coal-powered electricity
Disciplina	333.79320973
Soggetti	Electric power production - United States Energy development - United States Illegal immigration
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.
Nota di contenuto	Cover; Title Page; Copyright; Preface; Contents; Figures; Tables; Summary; Acknowledgments; Abbreviations; Chapter One: Introduction; Background; Approach; Outline of This Monograph; Chapter Two: The Role of Coal-Fired Power in the U.S. Electricity Sector; Electricity Supplied, by Fuel Type; Description of the Coal-Fired Power Plant Fleet; Capacity and Age of Existing Units; Pollution Controls Installed on Existing Coal-Fired Units; Growth in Capital Costs of Recently Built Coal-Fired Units; Chapter Three: Coal-Fired Power Plant Designs, Systems, and Components; Major Coal-Unique Components Coal Pulverizers Coal Burners; Coal Boilers; Pollution-Control Systems; Smokestacks; Implications of Variations in Coal Characteristics; Chapter Four: Market Structure; The New-Construction Sector for Coal-Fired Electricity-Generating Units; Demand for New Coal Electricity-Generating Units; New-Unit Specification, Design, and Project Development; Construction of Coal Electricity-Generating Units; Operation and Maintenance Sector; Pollution-Control Sector; Summary of Findings on Market Structure; Chapter Five: Workforce; The New-Construction Workforce for Coal Electricity-Generating Units

Equipment-Manufacturing Workforce Operation and Maintenance Workforce; Pollution-Control Retrofit Workforce; Workforce Demographics; Hiring and Training; Current Experience from Recent Projects; Summary of Findings on Workforce; Chapter Six: Observations and Remaining Questions; Implications for the U.S. Coal-Based Electricity-Generation Industrial Base; Remaining Questions; Appendixes; A. Key Companies in the Coal-Based Electricity-Generation Industry; B. Supplemental Tables on the Coal Industrial Base Workforce; References

Sommario/riassunto

To determine whether the industrial base for the U.S. domestic coal-based electricity generation industry can maintain the capability to design, construct, operate, and maintain coal-fired electricity generating units within reasonable cost, schedule, performance, environmental, and quality expectations, this book reviews interviews with stakeholders and data describing key elements of industry capability and validation or verification of concerns.
