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Titolo	Compaction grouting consensus guide [[electronic resource]] : ASCE/G-I53-10 // American Society of Civil Engineers
Pubbl/distr/stampa	Reston, VA, : American Society of Civil Engineers, : Geo-Institute, ASCE, c2010
ISBN	0-7844-7334-X
Descrizione fisica	1 online resource (94 p.)
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Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	""Contents""; ""Standards""; ""Foreword""; ""Compaction Grouting Committee Roster""; ""Scope of the Consensus Guide""; ""1 Introduction to the Compaction Grouting Guide""; ""1.1 What Is Compaction Grouting?""; ""1.2 Short History of Compaction Grouting""; ""1.3 Purpose and Development of This Guide""; ""2 Mechanics of Compaction Grouting""; ""2.1 Basic Mechanics""; ""2.2 Soil Conditions""; ""2.3 Field Evidence on Compaction Grout Behavior""; ""3 Compaction Grouting Materials""; ""3.1 Introduction""; ""3.2 Factors Affecting Grout Mobility""; ""3.3 Composition""; ""3.4 Design of the Grout Mix"" ""4 Grouting in the Field""""4.1 Methodology""; ""4.2 Equipment""; ""4.2.1 Mixing""; ""4.2.2 Pumps""; ""4.2.3 Hoses and Fittings""; ""4.2.4 Safety on Site""; ""4.2.5 Casings""; ""4.2.6 Headers""; ""4.2.7 Fittings""; ""4.2.8 Pressure Gauges""; ""4.3 Drilling""; ""5 Subsurface Investigation for Compaction Grouting""; ""5.1 Investigation Planning""; ""5.2 General Investigations""; ""5.2.1 Data Review""; ""5.2.2 Sampling""; ""5.2.3 Investigation Limits""; ""5.2.4 Laboratory Testing""; ""5.2.5 Analysis and Report""; ""5.3 Investigations for Grouting Design"" ""5.3.1 Defining the Purpose of Grouting""""5.3.2 Defining the Mechanism of Grouting""; ""5.3.3 Determining the Extent of Grouting""; ""5.3.4 Selecting Exploration Methods""; ""5.3.5 Logging of Field

Investigation"; "5.3.6 Field Inspectors"; "5.3.7 Flexibility to Accommodate the Unexpected"; "5.3.8 Record and Report Everything"; "6 Design of Compaction Grouting"; "6.1 Introduction"; "6.2 Geometric Idealization of the Grout Mass"; "6.3 Suitability of In Situ Soil for Compaction Grouting"; "6.4 Pressure-Volume Behavior of In Situ Soil"; "6.5 Pressure-Volume Behavior of Grout"; "6.6 Pressure Losses in the Casing"; "6.7 Injection Sequence"; "6.8 Injection Spacing"; "6.9 Estimating Grout Quantities"; "6.9.1 Densification"; "6.10 Limitations on Grout Injection"; "6.10.1 Soil Confinement"; "6.10.2 Influence on Structures"; "6.11 Measuring Refusal"; "6.12 Grouting Records"; "7 Analysis of Compaction Grouting"; "7.1 Introduction"; "7.2 Methods of Analysis"; "7.2.1 Geometric Idealization"; "7.2.2 Alternative Soil Models"; "7.2.3 Importance of Large Strain"; "7.2.4 Simple Approach"; "7.2.5 Numerical Cavity Expansion"; "7.2.6 Commercial Finite Element Codes"; "7.2.7 Consolidation of the In Situ Soil during and after Grouting"; "7.3 Importance of Monitoring Grout Injection"; "7.4 Centrifuge Modeling"; "7.5 Field Trials"; "8 Verification of Grouting Effectiveness"; "8.1 Overview of Verification Program Development"; "8.2 Planning an Effective Program"; "8.2.1 Goals of Verification"; "8.2.2 Verification by Design"; "8.2.3 Test or Preconstruction Grouting"; "8.2.4 Monitoring During Construction"; "8.3 Verification Methods"; "8.4 Detecting Movement"; "8.4.1 Crack Monitors"

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Titolo	Beyond the resource curse [[electronic resource] /] / edited by Brenda Shaffer and Taleh Ziyadov
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ISBN	1-283-89879-9 0-8122-0617-7
Edizione	[1st ed.]
Descrizione fisica	1 online resource (512 p.)
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Disciplina	333.7
Soggetti	Resource curse Power resources Energy policy Petroleum reserves Natural gas reserves International relations
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	pt. 1. Economics and infrastructures of energy exporters -- pt. 2. Energy exports, society, and politics -- pt. 3. Energy exporters in the international political system.
Sommario/riassunto	When countries discover that they possess large deposits of oil and natural gas, the news is usually welcome. Yet, paradoxically, if they rely on their wealth of natural resources, they often set down a path of poor economic performance and governance challenges. Only a few resource-rich countries have managed to develop their economies fully and provide a better and sustainable standard of living for large segments of their populations. This phenomenon, known as the resource curse, is a core challenge for energy-exporting states. Beyond the Resource Curse focuses on this relationship between natural wealth and economic security, discussing the particular pitfalls and consistent perils facing oil- and gas-exporting states. The contributors to this volume look beyond the standard fields of research related to the resource curse. They also shed new light on the specific developmental

problems of resource-rich exporting states around the globe, including Azerbaijan, Bahrain, Cambodia, East Timor, Iran, Norway, Russia, Trinidad and Tobago, the United Arab Emirates, and Venezuela. Policy makers and academics think of energy security solely in terms of the interests of energy importers. Beyond the Resource Curse shows that the constant volatility in energy markets creates energy security challenges for exporters as well.
