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References"; "Chapter 1 A High-Risk€?High-Return Opportunity";
"The Anchor Consumer€?s Role in Developing the Power Sector";
"Mining€?s Contribution to Socioeconomic Development"; "Risks in
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"References"; "Chapter 2 Mining Demand for Power"; "Mines Require
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"Power Demand from Mines Is Concentrated in a Group of Metals"
Mining Demand for Power Will Overwhelm Nonmining Demand for a
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Sourcing Arrangements"; "A Typology of Arrangements"; "The Share
of Grid Supply in Projects Has Declined"; "Intermediate Options Report
the Largest Rise in Annual Consumption"; "Power-Sourcing
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Heavy Burden"; "Three Main Factors Determine Power-Sourcing
Arrangements"; "References"
"Chapter 4 Opportunities and Lessons for Power€?Mining
Integration"
"Power€?Mining Overview"; "The Eight Countries Report
a Range of Power-Sourcing Relationships"; "Group 1: Minimal
Synergies (Guinea, Mauritania, and Tanzania): Opportunity to Use
Mining as Anchor Load for Electrification"; "Group 2: Medium
Synergies (Mozambique, the Democratic Republic of Congo, and
Cameroon): Mines as Anchor Load for Regional Power System
Integration"; "Group 3: High Synergies (Ghana and Zambia): Lessons
of Experience"; "Note"; "References"
"Chapter 5 Challenges to Power€?Mining Integration"

Sommario/riassunto

Africa needs power - to grow its economies and enhance the welfare of its people. Power for all is still a long distance away - two thirds of the population remains without electricity and enterprises rank electricity as a top constraint to doing business. This sub-optimal situation coexists while vast energy resources remain untapped. One solution to harness these resources could be to tap into the concept of anchor load. Mining industry lends itself to the concept of anchor load as it needs power in large quantity and reliable quality to run its processes. Underpinned by a comprehensive data
