# Table of contents

<b>Preface</b> 5
Governor Gray Davis
37th governor of California
(1999-2003)
Foreword 7
Matt Bonass
Michael Rudd
SNR Denton UK LLP
Part 1: Introduction
Why renewable energy? 9
Matt Bonass
SNR Denton UK LLP
Part 2: Regulation and policy
Renewable energy: at 23
a growing age
Gil Forer
Joseph A Muscat
Ernst & Young LLP
<b>Renewable energy support</b> 31
mechanisms: an overview
Katy Hogg
Ronan O'Regan
PricewaterhouseCoopers LLP

**Part 3: Financing and structuring** issues Issues for financiers \_\_\_\_\_49 Nicholas Sinden Siobhan Smyth HSBC Bank plc **Risk allocation in renewables** \_\_\_\_ 71 projects Tom Eldridge Ike Nwafor SNR Denton UK LLP Structuring the project \_\_\_\_\_89 vehicle **Matt Bonass Juliette Seddon** SNR Denton UK LLP Part 4: Different types of renewable energy and issues arising from them Wind Onshore wind projects: \_\_\_\_\_107

technical issues David Groves Wind Prospect Group Ltd

Onshore wind projects: \_\_\_\_\_131 commercial issues Eric McCartney Chapin International LLC Legal framework for \_\_\_\_\_ 143 wind projects: a US perspective Gregory Blasi Joshua Hill Jay Matson Loeb & Loeb LLP

Increasing local support for \_\_\_\_ 159 wind turbines: a Danish perspective Anne Kirkegaard Jan-Erik Svensson Gorrissen Federspiel

### Solar

Solar energy: technical \_\_\_\_\_ 171 and commercial issues Serge Younes WSP Environment & Energy

Solar energy: legal issues \_\_\_\_\_ 191 Lucille De Silva SNR Denton UK LLP

#### Small-scale hydropower

Small-scale hydropower \_\_\_\_\_ 205 in Europe: legal issues María José Descalzo Juan I González Ruiz Uría Menéndez

## **Energy efficiency and renewables**

Energy efficiency: the \_\_\_\_\_ 225 other side of the coin Gillian Davies Mariya Kuchko Janet Laing Alejandro Saenz-Core Mott Macdonald Limited Combined cooling, heat and \_\_\_\_ 257 power generation: technical, commercial and legal issues Thorsten Mäger Dirk Uwer Hengeler Mueller

Embedded generation: \_\_\_\_\_ 273 a UK perspective Kerry Thompson Inventa Partners Ltd

#### Part 5: A broader perspective

Emerging renewable \_\_\_\_\_ 291 technologies Nicholas Kelly Sindicatum Carbon Capital Group Limited

# Carbon capture and storage: \_\_\_\_ 307 a path to climate change mitigation Thorsten Mäger Dirk Uwer Hengeler Mueller

About the authors \_\_\_\_\_ 325