Table of Contents

	able of Cases	XV
	able of Legislation	xix
	able of Relevant Non-Legislative Documents	xxvii
	ist of Contributors	xxxi
L	ist of Abbreviations	xxxix
	PART I. POLICY	
1.	EU Policy on Capacity Mechanisms	3
	1.1 Why capacity mechanisms? The missing money problem and RES capacity	3
	1.2 Core features of capacity mechanisms	7
	1.3 The EU approach to capacity mechanisms before the 20/20/20 Package	16
	1.4 The EU approach to capacity mechanisms after the 20/20/20 Package	10
	(and before the November 2013 Communication)	18
	1.5 The November 2013 Communication	22
	1.6 Conclusion—where next with capacity mechanisms in the EU?	30
2.	The Regulators' View: ACER's Report on Capacity Mechanisms	
	and the EU Internal Electricity Market	32
	2.1 Introduction	32
	2.2 The contribution of energy-only markets to generation adequacy	33
	2.3 Impact of capacity mechanisms: design and distortions	35
	2.4 Cross-border participation in capacity mechanisms	37
	2.5 Conclusions and recommendations	38
3.	Capacity Mechanisms in the European Market: Now, but How?	40
	3.1 Introduction	40
	3.2 The pervasive impact of capacity mechanisms on the remuneration of flexibility	41
	3.3 The costs of self-sufficient capacity mechanisms	44
	3.4 A framework for coordination of national capacity mechanisms at EU level	48
	3.5 Conclusion	54
	PART II. ECONOMICS	
4.	Energy Market Design with Capacity Mechanisms	59
	4.1 Introduction	59
	4.2 Energy-only market—can it be sustainable?	60
	4.3 What are the policy options—and how would they perform?	67
	4.4 How do renewable energies fit into the market design?	72
	4.5 What are the challenges in the EU context?4.6 Summary—when to use which capacity mechanisms?	75
	4.0 Summary—when to use which capacity mechanisms?	76
5.	Different Approaches for Capacity Mechanisms in Europe:	
	Rationale and Potential for Coordination?	79
	5.1 Introduction	79
	5.2 A patchwork of capacity mechanisms in Europe: different designs	
	fit different needs	80

	5.4 Considered and the capacity mechanisms in Europe	81	11. Free Movement of Goods in the Eddyfinth of Energy	201
	5.4 Capacity mechanisms and the new EEAG 2014–2020: Key issues	86	Policy and Capacity Mechanisms	
	5.5 Coordinating capacity mechanisms in Europe	89	11.1 Introduction	201
	5.6 Conclusions	93		202
			11.2 Energy as goods	203
6.	Capacity Mechanisms and Cross-Border Participation:		11.3 Free movement of goods and state aid	203
	The EU Integrated Approach in Question	95	11.4 Free movement of goods: Restrictions	210
			11.5 Free movement of goods: Justification	
	6.1 Elements of the EU debate on cross-border participation	95	11.6 Conclusion	223
	6.2 Explicit cross-border participation with congested capacity of interconnections	102	** Temper v Commission (Chie (1)/3 ph/94) [1906] 1sCin (1)/2.09	
	6.3 Social efficiency of cross-border participation from the national perspective	106	And the state of t	
	6.4 Social efficiency of cross-border participation from the EU perspective	110	PART IV. CASE STUDIES	
	6.5 Conclusion		FARTIV. CHOLOTOLIS	
	6.5 Conclusion	117	Avertic	227
_	TI O . All P II Y		12. Austria	227
1.	The System Adequacy Problem: Lessons Learned from		12.1 Introduction	227
	the American Continent	119	12.2 Setting the scene	227
	Property 2021 Bas dioldorg terming growing of a Squaiter Long Sylveges 40.77		12.3 Energy-only market	235
	7.1 Introduction	119		237
	7.2 Design elements	121	12.4 European dimension	240
	7.3 Target market	121	12.5 Conclusion	210
	7.4 Lag period (or lead time)	127	melferming Spate (Blinke), G. 1882 C. 42 No. 14 A.	241
	7.5 Contract duration	128	13. Belgium	241
	7.6 Defining the requirements associated with the 'reliability product'		10.1 Lean Justine	241
	7.5 Defining the requirements associated with the reliability product	130	13.1 Introduction	241
	7.7 Indexation and warranties	136	13.2 Setting the scene	245
	7.8 Summary and high-level recommendations	138	13.3 Capacity mechanism	
			13.4 European dimension	253
8.	The Generation Mix, Price Caps, and Capacity Payments	140	13.5 Conclusion	255
			15.5 Conclusion	
	8.1 Introduction	140	14. France	256
	8.2 Optimal generation mix	141	14. France	
	8.3 A competitive market leads to an optimal generation mix	145	14.1 Introduction	256
	8.4 A price cap distorts investment levels	147	14.2 Setting the scene	256
	8.5 Capacity payments restore efficiency		14.3 Capacity mechanism	258
	8.6 Renewable energy and demand participation	149		264
	8.7 Complete thereby and demand participation	150	14.4 European dimension	270
	8.7 Conclusion	153	14.5 Conclusion	270
			The second of th	251
			15. Germany	271
	PART III. LAW		15.1 Total Latin	271
			15.1 Introduction	271
9.	Capacity Mechanisms and State Aid Control: A European		15.2 Setting the scene	276
	Solution to the 'Missing Money' Problem?	157	15.3 Energy-only market and network reserve	
			15.4 European dimension	285
	9.1 Introduction	157	15.5 Conclusion	287
	9.2 Policy evolution	158	Photographic Photo	
	9.3 Funding capacity mechanisms: When do the state aid rules apply?	162	16. Greece	288
	9.4 Compatible support—the new EEAG 2014–2020	171	To. Greece	200
	9.5 Assessment		16.1 Introduction	288
	9.6 Conclusion	175	16.2 Setting the scene	288
	2.0 Coliciusion	181	16.3 Capacity mechanism	293
10	And the set I am A 361 to 50 t		16.4 European dimension	297
IU.	Antitrust Law: A Missing Piece in a Regulatory Puzzle?	182		301
	10.1 Introduction	100	16.5 Conclusion	301
		182	Foundation related bits and makes the second of the second second of the second	302
	10.2 EU antitrust enforcement in the energy sector—a primer	183	17. Italy	302
	10.3 A typology of antitrust issues related to capacity mechanisms	185	17.1 Introduction	302
	10.4 The problem with the market definition	187		302
	10.5 Selected anticompetitive practices under Articles 101 and 102 TFEU	189	17.2 Setting the scene	306
	10.6 Conclusions	200	17.3 Capacity mechanism	310
			17.4 European dimension	313
			17.5 Conclusion	313

sout of I-oode in the Labyrinii di cile

18.	Netherlands	314
	18.1 Introduction	314
	18.2 Setting the scene	314
	18.3 Energy-only market and the European dimension	318
	18.4 Conclusion	320
		320
19.	Norway	321
	19.1 Introduction	321
	19.2 Setting the scene	321
	19.3 Energy-only market	325
	19.4 European dimension	331
	19.5 Conclusion	334
20.	Poland	225
20.		335
	20.1 Introduction	335
	20.2 Setting the scene	335
	20.3 Energy-only market, capacity measures, and a 'capacity debate'	342
	20.4 European dimension	347
	20.5 Conclusions	349
21.	Spain	351
	21.1 Introduction	351
	21.2 Setting the scene	351
	21.3 Capacity mechanism	356
	21.4 European dimension	363
	21.5 Conclusion	364
22	II * 1 I I T 1	
22.	United Kingdom	365
	22.1 Introduction	365
	22.2 Setting the scene	365
	22.3 Capacity mechanism	370
	22.4 European dimension	380
	22.5 Conclusion	382
Inde	ex	383