Table of Contents

Li	st of a	abbreviations	13	
1	Intro	13		
2	Fun	17		
	2.1	Energy	17	
	2.2	Forms of energy	17	
	2.3	Energy sources	18	
	2.4	Energy law	15	
3	Overview of legislation		20	
	3.1	Competences	20	
	3.2	Primary European Union Law	22	
	3.3			
		3.3.1 Electricity	22	
		3.3.2 Gas	24	
		3.3.3 Electricity and Gas	26	
		3.3.4 Security of supply	27	
		3.3.5 Climate protection	25	
4	Energy Union and governance		33	
	4.1	Energy Union	33	
	4.2	4.2 Integrated National Energy and Climate Plan		
		4.2.1 Procedure	33	
		4.2.2 Content	34	
		4.2.3 Monitoring	37	
5	Market System for electricity and gas			
	5.1	.1 Systems and system operators		
	5.2 Principle of equal treatment		40	

	5.3	Syster	m access and system connection	41
		5.3.1.	Terminology	41
		5.3.2	Entitlement to system access	42
		5.3.3	Refusal of system access	43
		5.3.4	Obligation for system connection	44
	5.4	Unbu	indling	45
		5.4.1	Terminology and legal development	45
		5.4.2	Transmission system operators	47
			5.4.2.1. OU	47
			5.4.2.2. ISO	48
			5.4.2.3. ITO	49
		5.4.3	Storage undertakings	53
6	ACER			56
	6.1	Legal	development	56
	6.2	Bodie	es	56
		6.2.1	Director	57
			Board of Regulators	57
			Administrative Board	58
			Board of Appeal	59
	6.3	Tasks and powers		60
	6.4	Procedure		62
7	Coordination bodies on European Union level			64
	7.1	Electr	ricity Coordination Group	64
		7.1.1	Legal basis and institution	64
		7.1.2	Tasks	65
	7.2	7.2 Gas Coordination Group		67
		7.2.1	Legal basis and institution	67
		7.2.2	Tasks	68
	7.3	ENTS	SO for Electricity	69
		7.3.1	Terminology, legal basis and organisation	69
		7.3.2	Targets and tasks	70
		7.3.3	Monitoring	71
	7.4 ENTSO for Gas		6O for Gas	71
		7.4.1	Terminology, legal basis and organisation	71

			Targets and tasks Monitoring	72 73
	7.5 EU DSO entity		· ·	74
	7.5	7.5.1	Terminology, legal basis and organisation	74 74
		7.5.2	Tasks	76
	7.6	Regio	nal coordination centre	77
		7.6.1	Terminology, establishment and organisation	77
			Geographical scope	78
			Tasks and powers	79
		7.6.4	Monitoring- and reporting obligations	80
8	National regulatory authorities			81
	8.1	Struct	ure of the authorities	81
	8.2	Gener	al targets	82
	8.3	Tasks		83
		8.3.1	Tariffs	83
			Network codes and guidelines	83
			Network development	84
			Investments in generation and storage facilities	84
			Consumer protection	84 84
			Market monitoring	85
			Decentralised generation	85
		8.3.9	Reports	85
	8.4	Power	rs	85
	8.5	Comp	laints	86
	8.6	Region	nal cooperation	86
	8.7	Tasks	and powers towards regional coordination centres	87
9	Security of supply			88
	9.1 Terminology			89
	9.2	Electri	icity sector	90
		9.2.1	Competences	91
		9.2.2	Electricity crisis scenarios	91
			9.2.2.1 Procedure for electricity crisis scenarios –	
			regional level	92

			9.2.2.2. Procedure for electricity crisis scenarios –	
			national level	93
			9.2.2.3. Content	94
		9.2.3	Risk-preparedness plan	94
			9.2.3.1. Procedure	95
			9.2.3.2. Content	96
			Crisis levels and crisis management	97
		9.2.5	Evaluation and monitoring of electricity crisis	98
	9.3	Gas se	ector	99
		9.3.1	Competences	99
		9.3.2	Standards for infrastructure and gas supply	100
			Risk assessment	101
			Preventive action and emergency plans	102
			Crisis levels and emergency measures	103
			Principle of solidarity	106
		9.3.7	Information obligations concerning crisis	
			management and gas supply contracts	107
10	O Renewable energy			110
	10.1	Targe	ts	111
	10.2 Terminology		112	
	10.3	Supp	ort Schemes	112
			Types of support schemes	112
	10.3.2 Stability and assessment of support schemes		114	
			Foreign installations	114
	10.4	Guara	antees of origin	116
			Terminology	116
			2 Issuance, period of validity and covered energy	
			sources	116
		10.4.3	3 Content	117
		10.4.4	Building and planning provisions	117
	10.5	Fuels	and liquids	118
		10.5.1	1 Terminology	118
			2 Targets	119
			Indirect land-use change	119
		10.5.4	4 Union database	120
		10.5.5	5 Sustainability criteria	120

	10.6	District heating and cooling	121
		10.6.1 Terminology	121
		10.6.2 Targets	122
		10.6.3 Network connection	122
		10.6.4 Termination	123
	10.7	Special procedural provisions	124
		10.7.1 General procedural criteria	124
		10.7.2 Contact Point	124
		10.7.3 Limitation of the procedure duration	125
		10.7.4 Simplified procedures	126
11	Ener	gy efficiency	127
	11.1	Terminology	127
	11.2	Targets	127
	11.3	Energy-saving measures	129
		11.3.1 Energy efficiency obligation schemes	130
		11.3.2 Alternative policy measures	130
		11.3.3 Energy audits and energy management systems	131
12	Dece	entralisation	133
	12.1	Single producers	133
		12.1.1 General definition	134
		12.1.2 Rights of active customers and renewable self-	
		consumers	134
		12.1.3 Rights for active customers	135
		12.1.4 Rights and regulatory framework for renewable self-	
		consumers	135
		12.1.5 Obligations for active customers and renewable self-	136
		consumers	
	12.2	Energy communities	137
		12.2.1 Definition	137
		12.2.2 Rights of citizen energy communities and renewable	127
		energy communities	137
		12.2.3 Rights of citizen energy communities	138
		12.2.4 Legal framework for renewable energy communities	139 139
		12.2.5 Obligations	137

13	Digitalisation – smart n	neters	141
	13.1 Terminology		141
	13.2 Introduction-, cor	nsultation- and installation obligations	142
	13.3 Functional requir	ements	144
	13.4 Heating, cooling a	and domestic hot water	144
14	Storage		146
	14.1 Terminology		146
	14.2 Types of storage		147
	14.3 System access and	system connection	148
	14.3.1 Electricity	storage facilities	148
	14.3.2 Gas storage	e facilities	149
15	Energy system of the future		
	15.1 Terminology and	criteria	150
	15.2 Obligation to intr	oduce smart grids	154
	15.3 Monitoring obliga	ation of the regulatory authority	155
	15.4 Integrated Nation	al Energy and Climate Plan	155
	15.5 Network develop	ment plan	156
Re	egister		161