

1. Market Data / Datos de la Sesión / Dados da Sessão

1.1 MIBEL SPEL Base Load (FTB / FWB / SWB)

Instrument	Futures (FTB)																Forwards (FWB)		Swaps (SWB)	
	Nominal Value	Market Total (excl. OTC)										OTC		Open Interest						
		Auction	Trading Session			Closing Orders		Settlement (1)		Buy+Sell					#cont.	Open Interest	#cont.	Open Interest		
MWh	Eq. €/MWh	Open €/MWh	High €/MWh	Low €/MWh	Last €/MWh	Bid €/MWh	Ask €/MWh	Price €/MWh	Change €/MWh	Auction #cont.	Continuous #cont.	Energy MWh	Fin. #cont.	Phys. #cont.	OTC #cont.	Open Interest #cont.	OTC #cont.	Open Interest #cont.		
FTB D Th08Nov-18	24							62,62	0,37											
FTB D Fr09Nov-18	24							57,00	-2,25											
FTB D Sa10Nov-18	24							47,00	-8,45											
FTB D Su11Nov-18	24							49,00	-0,05											
FTB WE 10Nov-18	48							48,00	-4,25											
FTB Wk46-18	168						57,50	60,50	60,00	-0,75										
FTB Wk47-18	168							64,00	60,00	-0,75										
FTB Wk48-18	168							63,50	60,22	0,30										
FTB M Dec-18	744						61,40	62,25	61,90	0,30						1127				
FTB M Jan-19	744						63,50	64,70	64,10	0,40						10				
FTB M Feb-19	672								61,11	0,65										
FTB M Mar-19	743								57,65	0,61										
FTB M Apr-19	720								48,68	0,51										
FTB M May-19	744								58,06	0,61										
FTB Q1-19	2159						60,40	61,25	60,95	0,55					1	141				
FTB Q2-19	2184						56,00	58,00	56,85	0,60						21				
FTB Q3-19	2208								62,34	1,32										
FTB Q4-19	2209							63,00	62,83	1,33										
FTB Q1-20	2183								53,68	-0,10										
FTB Q2-20	2184								50,07	-0,02										
FTB Q3-20	2208								54,90	0,56										
FTB YR-19	8760						60,50	61,00	60,75	0,95							380			
FTB YR-20	8784						53,25		53,50	0,25					10	103				
FTB YR-21	8760						49,65		50,50	0,25						18				
FTB YR-22	8760								48,20	0,25						1				
FTB YR-23	8760								46,60	0,25						1				

<sup>(1)</sup> Settlement Prices for SPEL Base Load Forward (FWB) and SPEL Base Load Swap (SWB) are identical to SPEL Base Load Futures (FTB) for the same maturity (OMIP Instruction 01/2009 no. 7) // El Precio de Referencia de Negociación para los Contratos Forward SPEL Base (FWB) y Contratos Swap SPEL Base (SWB) es idéntico al de los Contratos de Futuros SPEL Base (FTB) de igual vencimiento (Circular OMIP 01/2009 n.º 7) // O Preço de Referência de Negociação para os Forward SPEL Base (FWB) e Contratos Swap SPEL Base (SWB) é idêntico ao dos Contratos de Futuros SPEL Base (FTB) de igual maturidade (Circular OMIP 01/2009 n.º 7).

## 1.2 MIBEL SPEL Peak Load (FTK)

Instrument	Nominal Value MWh	Futures (FTK)										Market Total (excl. OTC)					
		Auction		Trading Session			Closing Orders		Settlement		Auction #cont.	Continuous #cont.	Energy MWh	Buy+Sell			Open Interest #cont.
		Eq. €/MWh	Open €/MWh	High €/MWh	Low €/MWh	Last €/MWh	Bid €/MWh	Ask €/MWh	Price €/MWh	Change €/MWh				Fin. #cont.	Phys. #cont.	OTC #cont.	
FTK D Th08Nov-18	12								66,00	-2,69							
FTK D Fr09Nov-18	12								62,67	-3,02							
FTK Wk46-18	60								66,29	-0,83							
FTK Wk47-18	60								66,29	-0,83							
FTK Wk48-18	60								66,54	0,33							
FTK M Dec-18	252								69,01	0,34							
FTK M Jan-19	276								71,13	0,44							
FTK M Feb-19	240								67,82	0,73							
FTK M Mar-19	252								63,98	0,68							
FTK M Apr-19	264								52,57	0,55							
FTK M May-19	276								61,55	0,65							
FTK Q1-19	768								67,75	0,61							
FTK Q2-19	780								60,27	0,64							
FTK Q3-19	792								66,92	1,42							
FTK Q4-19	792								67,44	1,43							
FTK Q1-20	780								57,97	-0,11							
FTK Q2-20	780								54,07	-0,02							
FTK Q3-20	792								59,30	0,61							
FTK YR-19	3132								65,60	1,03							
FTK YR-20	3144								57,79	0,27							
FTK YR-21	3132								54,55	0,27							
FTK YR-22	3120								52,06	0,27							
FTK YR-23	3120								50,32	0,27							

1.3 MIBEL PTEL Base Load (FPB)

Instrument	Futures (FPB)																Mini Swaps (SPB)					
	Nom. Value	Market Total (excl. OTC)										Instrument	Nom. Value	Open Interest								
		Auction		Trading Session			Closing Orders		Settlement (1)					Buy+Sell				MWh	OTC	Open Interest		
		Eq.	Open	High	Low	Last	Bid	Ask	Price	Change	Auction			Conti.	Energy	Fin.	Phys.				OTC	#cont.
MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	#cont.	#cont.	MWh	#cont.	#cont.	#cont.	#cont.	#cont.					
FPB D Th08Nov-18	24								62,62	0,35									SPB D Th08Nov-18	2,4		
FPB D Fr09Nov-18	24								57,02	-2,25									SPB D Fr09Nov-18	2,4		
FPB D Sa10Nov-18	24								47,02	-8,45									SPB D Sa10Nov-18	2,4		
FPB D Su11Nov-18	24								49,02	-0,05									SPB D Su11Nov-18	2,4		
FPB WE 10Nov-18	48								48,02	-4,25									SPB WE 10Nov-18	4,8		
FPB Wk46-18	168								59,90	-0,75									SPB Wk46-18	16,8		
FPB Wk47-18	168								59,90	-0,75									SPB Wk47-18	16,8		
FPB Wk48-18	168								59,91	0,30									SPB Wk48-18	16,8		
FPB M Dec-18	744								61,05	0,30							665		SPB M Dec-18	74,4		
FPB M Jan-19	744								62,78	0,40									SPB M Jan-19	74,4		
FPB M Feb-19	672								59,86	0,65									SPB M Feb-19	67,2		
FPB M Mar-19	743								56,47	0,61									SPB M Mar-19	74,3		
FPB M Apr-19	720								49,02	0,51									SPB M Apr-19	72,0		
FPB M May-19	744								58,40	0,61									SPB M May-19	74,4		
FPB Q1-19	2159								59,70	0,55							100		SPB Q1-19	215,9		
FPB Q2-19	2184								57,19	0,60									SPB Q2-19	218,4		
FPB Q3-19	2208								62,13	0,88									SPB Q3-19	220,8		
FPB Q4-19	2209								63,04	0,88									SPB Q4-19	220,9		
FPB Q1-20	2183								53,71	-0,10									SPB Q1-20	218,3		
FPB Q2-20	2184								50,10	-0,02									SPB Q2-20	218,4		
FPB Q3-20	2208								54,93	0,56									SPB Q3-20	220,8		
FPB YR-19	8760								60,53	0,73							10	150	SPB YR-19	876,0		
FPB YR-20	8784								53,53	0,25									SPB YR-20	878,4		
FPB YR-21	8760								50,53	0,25									SPB YR-21	876,0		
FPB YR-22	8760								48,23	0,25									SPB YR-22	876,0		
FPB YR-23	8760								46,63	0,25									SPB YR-23	876,0		

(1) Settlement Prices for Mini PTEL Base Load Swap (FPB) are identical to PTEL Base Load Futures (FPB) for the same maturity (OMIP Instruction 01/2009 no. 7) // El Precio de Referencia de Negociación para los Contratos Swap Mini PTEL Base (FPB) es idéntico al de los Contratos de Futuros SPEL Base (FTB) de igual vencimiento (Circular OMIP 01/2009 n.º 7) // O Preço de Referência de Negociação para os Contratos Swap Mini PTEL Base (FPB) é idêntico ao dos Contratos de Futuros SPEL Base (FTB) de igual maturidade (Circular OMIP 01/2009 n.º 7).

1.4 MIBEL SPEL Solar Load (FTS)

Instrument	Nominal Value MWh	Futures (FTS)										Market Total (excl. OTC)						
		Auction		Trading Session			Closing Orders		Settlement			Auction	Continuous	Energy	Buy+Sell			
		Eq. €/MWh	Open €/MWh	High €/MWh	Low €/MWh	Last €/MWh	Bid €/MWh	Ask €/MWh	Price €/MWh	Change €/MWh	#cont.				#cont.	MWh	Fin. #cont.	Phys. #cont.
FTS D Th08Nov-18	2,72								65,16	-1,61								
FTS D Fr09Nov-18	2,72								61,03	-2,74								
FTS D Sa10Nov-18	2,72								49,87	-8,45								
FTS D Su11Nov-18	2,72								50,97	-0,05								
FTS WE 10Nov-18	5,44								50,42	-4,25								
FTS Wk46-18	19,04								64,51	-0,80								
FTS Wk47-18	19,04								64,51	-0,80								
FTS Wk48-18	18,3								65,04	0,33								
FTS M Dec-18	72,85								67,62	0,33								
FTS M Jan-19	82,46								69,70	0,44								
FTS M Feb-19	108,36								66,35	0,66								
FTS M Mar-19	143,53								62,58	0,62								
FTS M Apr-19	169,5								53,50	0,56								
FTS M May-19	213,9								63,84	0,67								
FTS Q1-19	334,35								65,56	0,59								
FTS Q2-19	602,4								62,51	0,66								
FTS Q3-19	619,19								66,91	1,42								
FTS Q4-19	277,52								67,79	1,44								
FTS Q1-20	334,35								57,71	-0,11								
FTS Q2-20	602,4								53,81	-0,02								
FTS Q3-20	619,19								59,06	0,60								
FTS YR-19	1833,46								65,35	1,02								
FTS YR-20	1837,33								57,56	0,27								
FTS YR-21	1833,46								54,34	0,27								
FTS YR-22	1833,46								51,85	0,27								
FTS YR-23	1833,46								50,14	0,27								

1.5 German DEEL Base Load (FDB)

Instrument	Futures (FDB)																	
	Nominal Value €/MWh	Auction		Trading Session			Closing Orders		Settlement		Market Total (excl. OTC)							
		Eq.	Open	High	Low	Last	Bid	Ask	Price	Change	Auction	Continuous	Energy	Buy+Sell			Open Interest	
		€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	#cont.	#cont.	MWh	#cont.	#cont.	#cont.	#cont.
FDB D Th08Nov-18	24							62,87	0,40									
FDB D Fr09Nov-18	24							58,53	1,35									
FDB D Sa10Nov-18	24							39,39	0,57									
FDB D Su11Nov-18	24							33,55	0,53									
FDB WE 10Nov-18	48							36,47	0,55									
FDB Wk46-18	168							52,78	3,28									
FDB Wk47-18	168							55,64	3,91									
FDB Wk48-18	168							56,64	2,51									
FDB M Dec-18	744							51,53	2,43									
FDB M Jan-19	744							58,81	1,91									
FDB M Feb-19	672							58,05	1,55									
FDB M Mar-19	743							48,78	0,67									
FDB M Apr-19	720							48,00	0,88									
FDB M May-19	744							43,60	1,21									
FDB Q1-19	2159							55,12	1,37									
FDB Q2-19	2184							46,15	1,10									
FDB Q3-19	2208							46,93	1,38									
FDB Q4-19	2209							53,40	1,45									
FDB Q1-20	2183							54,92	1,63									
FDB Q2-20	2184							43,46	0,97									
FDB Q3-20	2208							44,20	1,19									
FDB YR-19	8760							50,39	1,33									
FDB YR-20	8784							48,49	1,26									
FDB YR-21	8760							46,40	0,98									
FDB YR-22	8760							47,00	0,50									
FDB YR-23	8760							48,20	0,75									

1.6 French FREL Base Load (FFB)

Instrument	Nominal Value €/MWh	Futures (FFB)										Market Total (excl. OTC)					
		Auction		Trading Session			Closing Orders		Settlement		Auction		Buy+Sell				
		Eq.	Open	High	Low	Last	Bid	Ask	Price	Change	#cont.	#cont.	Energy	Fin.	Phys.	OTC	Open Interest
		€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	#cont.	#cont.	MWh	#cont.	#cont.	#cont.
FFB D Th08Nov-18	24								62,96	-1,29							
FFB D Fr09Nov-18	24								59,00	0,02							
FFB D Sa10Nov-18	24								48,09	1,04							
FFB D Su11Nov-18	24								39,41	0,86							
FFB WE 10Nov-18	48								43,75	0,95							
FFB Wk46-18	168								58,30	1,05							
FFB Wk47-18	168								65,80	2,80							
FFB Wk48-18	168								69,25	1,67							
FFB M Dec-18	744								65,43	1,45							
FFB M Jan-19	744								71,76	1,01							
FFB M Feb-19	672								71,70	1,30							
FFB M Mar-19	743								57,49	1,97							
FFB M Apr-19	720								52,48	1,56							
FFB M May-19	744								43,99	1,31							
FFB Q1-19	2159								66,83	1,43							
FFB Q2-19	2184								46,50	1,48							
FFB Q3-19	2208								46,65	1,21							
FFB Q4-19	2209								60,75	1,66							
FFB Q1-20	2183								62,00	1,04							
FFB Q2-20	2184								42,77	1,34							
FFB Q3-20	2208								42,91	1,09							
FFB YR-19	8760								55,14	1,44							
FFB YR-20	8784								50,72	1,30							
FFB YR-21	8760								47,88	0,79							
FFB YR-22	8760								48,85	0,90							
FFB YR-23	8760								48,85	0,90							

1.7 PVB-ES NG Physical Futures Contracts (FGE)

Instrument	Nominal Value MWh/Day	Futures (FGE)											Market Total (excl. OTC)				Open Interest #cont.	
		Auction		Trading Session			Closing Orders		Settlement		Auction #cont.	Continuous #cont.	Energy MWh	Buy+Sell				
		Eq.	Open	High	Low	Last	Bid	Ask	Price	Change				Fin.	Phys.	OTC		
		€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	#cont.	#cont.	#cont.	#cont.	#cont.		
FGE D Th08Nov-18	1								25,880	0,900								
FGE D Fr09Nov-18	1								25,150	0,260								
FGE D Sa10Nov-18	1								24,700	-0,190								
FGE D Su11Nov-18	1								24,700	-0,190								
FGE WE 10Nov-18	2								24,700	-0,190								
FGE WkDs46-18	5								25,789	0,000								
FGE WE 17Nov-18	2								25,789	0,000								
FGE WkDs47-18	5								25,789	0,000								
FGE WE 24Nov-18	2								25,789	0,000								
FGE WkDs48-18	5								25,789	0,000								
FGE WE 01Dec-18	2								26,770	0,600								
FGE BoM D+1 Calendar Day	23								25,670	n.a.								
FGE M Dec-18	31								26,770	0,600								
FGE M Jan-19	31								26,950	0,650								
FGE M Feb-19	28								27,020	0,620								
FGE Q1-19	90								26,850	0,700								100
FGE Q2-19	91								23,990	0,350								100
FGE Q3-19	92								23,473	0,609								
FGE Q4-19	92								26,311	0,343								
FGE Sum-19	183								23,730	0,480								
FGE Win-19	183								26,270	0,620								
FGE Sum-20	183								21,891	0,207								
FGE YR-19	365								25,150	0,500								875
FGE YR-20	366								23,201	0,211								625

1.8 MIBEL SPEL Base Load Financial Futures Options (OEB)

1.8.1 Month Futures Options

Instrument	Nominal Value €/MWh	Futures Options (OEB)											Market Total (excl. OTC)					
		Auction		Trading Session			Closing Orders		Settlement		Auction		Buy+Sell					
		Eq.	Open	High	Low	Last	Bid	Ask	Price	Change	#cont.	Continuous	Energy	Fin.	Phys.	OTC	Open Interest	
		€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	#cont.	#cont.	MWh	#cont.	#cont.	#cont.	#cont.
OEB C M Dec-18 64	744								1,22	n.a.								
OEB C M Dec-18 65	744								0,92	n.a.								
OEB C M Dec-18 66	744								0,68	n.a.								
OEB C M Dec-18 67	744								0,50	n.a.								
OEB C M Dec-18 68	744								0,36	n.a.								
OEB C M Dec-18 69	744								0,25	n.a.								
OEB C M Dec-18 70	744								0,17	n.a.								
OEB C M Dec-18 71	744								0,12	n.a.								
OEB C M Dec-18 72	744								0,08	n.a.								
OEB C M Dec-18 73	744								0,05	n.a.								
OEB C M Dec-18 74	744								0,03	n.a.								
OEB C M Dec-18 75	744								0,02	n.a.								
OEB C M Dec-18 76	744								0,01	n.a.								
OEB C M Dec-18 77	744								0,01	n.a.								
OEB C M Dec-18 78	744								0,01	n.a.								
OEB P M Dec-18 74	744								12,14	n.a.								
OEB P M Dec-18 73	744								11,15	n.a.								
OEB P M Dec-18 72	744								10,18	n.a.								
OEB P M Dec-18 71	744								9,22	n.a.								
OEB P M Dec-18 70	744								8,28	n.a.								
OEB P M Dec-18 69	744								7,35	n.a.								
OEB P M Dec-18 68	744								6,46	n.a.								
OEB P M Dec-18 67	744								5,60	n.a.								
OEB P M Dec-18 66	744								4,78	n.a.								
OEB P M Dec-18 65	744								4,02	n.a.								



OEB P M Dec-18 64	744	3,32	n.a.
OEB P M Dec-18 63	744	2,68	n.a.
OEB P M Dec-18 62	744	2,12	n.a.
OEB P M Dec-18 61	744	1,64	n.a.
OEB C M Jan-19 66	744	2,22	n.a.
OEB C M Jan-19 67	744	1,86	n.a.
OEB C M Jan-19 68	744	1,55	n.a.
OEB C M Jan-19 69	744	1,28	n.a.
OEB P M Jan-19 65	744	3,52	n.a.
OEB P M Jan-19 64	744	2,98	n.a.
OEB P M Jan-19 63	744	2,49	n.a.
OEB P M Jan-19 62	744	2,05	n.a.

1.8.2 Quarter Futures Options

Instrument	Futures Options (OEB)																
	Nominal Value	Market Total (excl. OTC)											Buy+Sell				
		Auction		Trading Session			Closing Orders		Settlement		Auction	Continuous	Energy	Fin.	Phys.	OTC	Open Interest
		Eq.	Open	High	Low	Last	Bid	Ask	Price	Change							
€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh								
OEB C Q1-19 59	2159								3,35	n.a.							
OEB C Q1-19 60	2159								2,77	n.a.							
OEB C Q1-19 61	2159								2,26	n.a.							
OEB C Q1-19 62	2159								1,81	n.a.							
OEB C Q1-19 63	2159								1,44	n.a.							
OEB C Q1-19 64	2159								1,12	n.a.							
OEB C Q1-19 65	2159								0,86	n.a.							
OEB C Q1-19 66	2159								0,66	n.a.							
OEB C Q1-19 67	2159								0,49	n.a.							
OEB C Q1-19 68	2159								0,36	n.a.							
OEB C Q1-19 69	2159								0,26	n.a.							
OEB C Q1-19 70	2159								0,19	n.a.							
OEB C Q1-19 71	2159								0,13	n.a.							
OEB C Q1-19 72	2159								0,09	n.a.							
OEB P Q1-19 68	2159								7,42	n.a.							
OEB P Q1-19 67	2159								6,54	n.a.							
OEB P Q1-19 66	2159								5,71	n.a.							
OEB P Q1-19 65	2159								4,92	n.a.							
OEB P Q1-19 64	2159								4,17	n.a.							
OEB P Q1-19 63	2159								3,49	n.a.							
OEB P Q1-19 62	2159								2,86	n.a.							
OEB P Q1-19 61	2159								2,31	n.a.							
OEB P Q1-19 60	2159								1,82	n.a.							
OEB P Q1-19 59	2159								1,40	n.a.							
OEB P Q1-19 58	2159								1,05	n.a.							
OEB P Q1-19 57	2159								0,77	n.a.							
OEB P Q1-19 56	2159								0,55	n.a.							

OEB C Q2-19 54	2184	5,41	n.a.
OEB C Q2-19 55	2184	4,85	n.a.
OEB C Q2-19 56	2184	4,33	n.a.
OEB C Q2-19 57	2184	3,85	n.a.
OEB C Q2-19 58	2184	3,41	n.a.
OEB P Q2-19 55	2184	3,00	n.a.
OEB P Q2-19 54	2184	2,56	n.a.
OEB P Q2-19 53	2184	2,17	n.a.
OEB P Q2-19 52	2184	1,81	n.a.
OEB P Q2-19 51	2184	1,50	n.a.
OEB P Q2-19 50	2184	1,22	n.a.

1.8.3 Year Futures Options

Instrument	Nominal Value €/MWh	Futures Options (OEB)											Market Total (excl. OTC)				
		Auction		Trading Session			Closing Orders		Settlement		Auction		Buy+Sell				
		Eq.	Open	High	Low	Last	Bid	Ask	Price	Change	#cont.	Continuous	Energy	Fin.	Phys.	OTC	Open Interest
		€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	#cont.	#cont.	MWh	#cont.	#cont.	#cont.
OEB C 4 YR-19 49	8760								11,76	n.a.							
OEB C 4 YR-19 50	8760								10,76	n.a.							
OEB C 4 YR-19 51	8760								9,77	n.a.							
OEB C 4 YR-19 52	8760								8,78	n.a.							
OEB C 4 YR-19 53	8760								7,81	n.a.							
OEB C 4 YR-19 54	8760								6,85	n.a.							
OEB C 4 YR-19 55	8760								5,93	n.a.							
OEB C 4 YR-19 56	8760								5,04	n.a.							
OEB C 4 YR-19 57	8760								4,22	n.a.							
OEB C 4 YR-19 58	8760								3,46	n.a.							
OEB C 4 YR-19 59	8760								2,77	n.a.							
OEB C 4 YR-19 60	8760								2,18	n.a.							
OEB C 4 YR-19 61	8760								1,67	n.a.							
OEB C 4 YR-19 62	8760								1,25	n.a.							
OEB C 4 YR-19 63	8760								0,91	n.a.							
OEB C 4 YR-19 64	8760								0,65	n.a.							
OEB C 4 YR-19 65	8760								0,45	n.a.							
OEB P 4 YR-19 61	8760								1,92	n.a.							
OEB P 4 YR-19 60	8760								1,43	n.a.							
OEB P 4 YR-19 59	8760								1,02	n.a.							
OEB P 4 YR-19 58	8760								0,70	n.a.							
OEB P 4 YR-19 57	8760								0,47	n.a.							
OEB P 4 YR-19 56	8760								0,29	n.a.							
OEB P 4 YR-19 55	8760								0,17	n.a.							
OEB P 4 YR-19 54	8760								0,10	n.a.							
OEB P 4 YR-19 53	8760								0,05	n.a.							
OEB P 4 YR-19 52	8760								0,03	n.a.							
OEB P 4 YR-19 51	8760								0,01	n.a.							
OEB P 4 YR-19 50	8760								0,01	n.a.							
OEB P 4 YR-19 49	8760								0,00	n.a.							
OEB P 4 YR-19 48	8760								0,00	n.a.							
OEB P 4 YR-19 47	8760								0,00	n.a.							
OEB P 4 YR-19 46	8760								0,00	n.a.							
OEB P 4 YR-19 45	8760								0,00	n.a.							

1.9 FTR Baseload (FTR)

Instrument	Nominal Value	Financial Transmission Rights (FTR)																
		Auction		Trading Session			Closing Orders		Settlement		Market Total (excl. OTC)							
		Eq.	Open	High	Low	Last	Bid	Ask	Price	Change	Auction	Continuous	Energy	Buy+Sell			Open Interest	
		€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	#cont.	#cont.	MWh	#cont.	#cont.	#cont.	#cont.	
FTR E-P M Dec-18	744							0,00	n.a.								500	
FTR P-E M Dec-18	744							0,00	n.a.								500	
FTR E-P M Jan-19	744							0,00	n.a.									
FTR P-E M Jan-19	744							0,00	n.a.									
FTR E-P M Feb-19	672							0,00	n.a.									
FTR P-E M Feb-19	672							0,00	n.a.									

1.10 Index / Índices / Índices

Day	Iberian						Non-Iberian				
	PTEL Index		SPEL Index		Spread PTEL/SPEL		FTR Index		SPEL Solar Index	(German) DEEL Index	(French) FREL Index
	Base	Peak	Base	Peak	Base	Peak	E-P	P-E	Solar	Base	Base
07-11-2018	59,90	65,48	59,90	65,48	0,00	0,00	0,00	0,00	62,32	56,01	57,26
08-11-2018	62,62	66,00	62,62	66,00	0,00	0,00	0,00	0,00	65,16	62,87	62,96

2. Market Information / Información del Mercado / Informação do Mercado

2.1 Session Timetable/ Horario de la Sesión / Horário da Sessão

Pre-Trade	Continuous Trading	Pre-Close
8:00 – 9:00	9:00 – 17:00	17:00 – 18:30

CET (Central European Time)

**2.2 Members / Miembros / Membros**

Company	OMIP		OMIClear				
	Trading Member	OTC Broker	Direct Clearing Member	General Clearing Member	Financial Settlement Agent	Physical Settlement Agent Power	Physical Settlement Agent Gas
Acciona Green Energy Developments S.L.	X						
Alpiq, AG	X						X
Antuko Energía S.L.	X						
Arraco Global Markets Ltd		X					
Axpo Iberia, S.L.U.	X		X			X	X
Banco L.J. Carregosa, S.A.				X	X		
Banco Santander. S.A.	X			X	X		
BP Gas Marketing Limited	X						
Caixa Geral de Depósitos. S.A.				X	X		
Céltica Energía, S.L.	X						
Cepsa Gas y Electricidad, S.A.	X						
CIMD - Sociedad de Valores. S.A.	X	X					
Citadel Energy Investments (Ireland) DAC	X						
Citibank International PLC. Sucursal en España					X		
Citigroup Global Markets Limited	X		X				
Clidom Energy S.L.	X						X
Danske Commodities, A/S	X						
Dreue Electric, S.L.	X						
Ecochoice, S.A.	X						
EDF Trading Limited	X						
EDP - Energias de Portugal. S.A.	X					X	
EDP - Serviço Universal. S.A.	X					X	
EDP España, S.A.U.	X					X	
EGL. AG						X	

Company	OMIP		OMIClear				
	Trading Member	OTC Broker	Direct Clearing Member	General Clearing Member	Financial Settlement Agent	Physical Settlement Agent Power	Physical Settlement Agent Gas
Endesa Energía XXI. S.L.	X					X	
Endesa Generación. S.A.	X		X			X	
Endesa Energía , S.A.	X						X
Enérgya VM Gestión de Energía S.L.U.	X						X
Enforcesco S.A.	X						
Engie Global Markets	X		X				
Eni Trading & Shipping	X						X
Evergreen Eléctrica S.L.	X						
Factor Energía. S.A.	X					X	
Fenie Energía, S.A.	X						X
Foener Energía, S.L.	X						
Fortia Energía, S.L.	X					X	
Fortia Energía Servicios	X						
Freepoint Commodities Europe LLP	X						
Futura Energía Y Gas, SL							X
Galp Power S.A.	X						X
Galp Gás Natural S.A	X						X
Gas Natural Comercializadora, S.A.	X						X
Gas Natural SDG. S.A.	X					X	
Gas Natural S U R SDG. S.A.	X					X	
GeoAtlanter, S.L.	X						
Gesternova, S.A.	X						
GFI Brokers Ltd.		X					
Gnera Energía y Tecnología, S.L	X						



Company	OMIP		OMIClear				
	Trading Member	OTC Broker	Direct Clearing Member	General Clearing Member	Financial Settlement Agent	Physical Settlement Agent Power	Physical Settlement Agent Gas
Goldman Sachs International	X				X		
Griffin Markets Limited		X					
Iberdrola Comercialización de Último Recurso S.A.U.	X						
Iberdrola Generación España, S.A.U.	X		X				X
ICAP Energy. AS	X	X					
ICAP Energy Ltd	X	X					
Ingeniería y Comercialización del Gas S.A.	X						X
Jafplus Energia, Lda.	X						
J. Aron & Company						X	
Kyonynsys Century S.L.U.	X						
Ledesma Comercializadora Eléctrica , S.L.	X						
Mercuria Energy Trading S.A.	X						
Morgan Stanley Bank. AG					X		
Macquarie Bank Limited	X						
Multienergía Verde, S.L.							X
Nexus Energía. S.A.	X					X	X
PH Energia, Lda.	X						
Red Eléctrica de España, S.A.U.	X		X				
REN - Rede Eléctrica Nacional, S.A.	X		X				
Swap Energía, S.A.	X					X	X
Shell Energy Europe Limited	X						
Sociedad Bilbao Gas Hub, S.A.		X					
Spectron Energy Services Limited		X					
Switch Energy, S.L.	X						
Total Gas & Power Limited	X						X
Trafigura PTE Ltd.							X

TrailStone GmgH	X						
Tullett Prebon (Europe) Limited			X				
Tullett Prebon (Securities) Limited	X						
Company	OMIP		OMIClear				
	Trading Member	OTC Broker	Direct Clearing Member	General Clearing Member	Financial Settlement Agent	Physical Settlement Agent Power	Physical Settlement Agent Gas
Uniper Global Commodities SE	X		X				
Viesgo Comercializadora de Referencia, S.L.	X					X	
Viesgo Generación, S.L.	X		X			X	
Vertsel Energía, S.L.U.	X						
Viesgo Renovables, S.L	X						
Villar Mir Energía , S.L.U.	X						

### 3. Fees / Tarifas / Preçário:

#### 3.1 Trading/Registration, Clearing and Physical Delivery Fees of Power Derivatives Contracts / Comisiones de Negociación/Registro, Compensación y de Entrega Física de Contratos Derivados de Electricidad / Comissões de Negociação/Registo, de Compensação e de Entrega Física de Contratos Derivados de Electricidade

Type of Transaction (Power Transactions)	OMIP Trading / Registration Fee		
	MV* < 1,5 TWh	1.5TW <= MV * <= 3 TWh	MV * >= 3 TWh
Continuous Trading	0,0075	0,0050	0,0025
Call Auction Trading	0,0075	0,0075	0,0075
Bilateral Transactions ** (between different owners)	0,0045	0,0045	0,0030
Registration of Transfer or Bilateral Transaction ** between the same owner	0	0	0

Units: Euro/MWh

\* MV – Monthly Volume (calculated independently for transactions made through Continuous Trading and for those Operational Transactions registered in OMIP Derivatives Market).

\*\* Bilateral Transaction registered in OMIClear through OMIP Derivatives Market.

Trading Members (Light) are charged trading and registration fees two (2) times greater.

Type of Transaction (Power Transactions)	OMIClear Clearing Fee			OMIClear Physical Delivery Fee ***
	MV* < 1,5 TWh	1.5TW <= MV * <= 3 TWh	MV * >= 3 TWh	
Continuous Trading	0,0070	0,0050	0,0025	
Call Auction Trading	0,0070	0,0070	0,0070	
Bilateral Transactions ** (between different owners)	0,0070	0,0050	0,0025	0,01
Registration of Transfer or Bilateral Transaction ** between the same owner	0	0	0	

Units: Euro/MWh

\* MV – Monthly Volume (calculated independently for transactions made through Continuous Trading and for those Operational Transactions registered in OMIP Derivatives Market).

\*\* Bilateral Transaction registered in OMIClear through OMIP Derivatives Market.

\*\*\* Based on the net position under delivery calculated on a (power) physical trading account level.

**3.2 Registration, Clearing and Physical Delivery Fees of Natural Gas Derivatives Contracts / Comisiones de Registro, Compensación y de Entrega Física de Contratos Derivados de Gas Natural / Comissões de Registro, de Compensação e de Entrega Física de Contratos Derivados de Gás Natural**

Type of Transaction (Natural Gas Transactions)	OMIP Registration Fee	OMIClear Clearing Fee	OMIClear Physical Delivery Fee **
Bilateral Transactions ** (between different owners)	0,005	0,007	0,0055
Registration of Transfer or Bilateral Transaction ** between the same owner	0	0	0

Unit: Euro/MWh

\* Bilateral Transaction registered in OMIClear through OMIP Derivatives Market.

\*\* Based on the net position under delivery calculated on a (gas) physical delivery account level.

Further details on the price lists in place can be found in OMIP Notice 03/2010 and OMIClear Instruction A02/2014 available in the respective websites // Para más detalle de las tarifas en vigor por favor consultar el Aviso OMIP 03/2010 y la Circular OMIClear A02/2014 disponibles en los respectivos sitios web // Para mais detalhe dos preços em vigor por favor consultar Aviso OMIP 03/2010 e Circular OMIClear A02/2014 disponíveis nos respectivos websites.

**3.3 Admission & Maintenance Fees / Comisiones de Admisión y Mantenimiento/ Comissões de Admissão e Manutenção**

Member Status	OMIP	
	Admission Fee (One-off Fee)	Maintenance Fee (Annual Fee)
Trading Member 1 <sup>(1)</sup>	12 000	12 000
Trading Member 2 <sup>(2)</sup>	12 000 <sup>(3)</sup>	1 000 per account <sup>(4)</sup>
Trading Member Light	1600	1600
Broker OTC	0	2 000

Unit: Euro

<sup>(1)</sup> For Own Account and Third Parties Account

<sup>(2)</sup> For Third Parties Account

<sup>(3)</sup> Paid 6.000 EUR in the admission date plus 6.000 EUR when open the first trading account

<sup>(4)</sup> Up to a maximum 12.000 EUR

Member Status	OMIClear	
	Admission Fee (One-off Fee)	Maintenance Fee (Annual Fee)
Direct Clearing Member	10 000	10 000
General Clearing Member	15 000	15 000
Financial Settlement Agent	0	0
Physical Settlement Agent	0	0

Unit: Euro

## 4. Rules / Reglas / Regras

### 4.1 OMIP Trading Rules / Reglas de Negociación de OMIP / Regras da Negociação do OMIP

<http://www.omip.pt/Downloads/tabid/104/language/en-GB/Default.aspx>

### 4.2 OMIClear Clearing Rules / Reglas de Compensación de OMIClear / Regras da Compensação da OMIClear

<http://www.omiclear.pt/Downloads/tabid/170/language/en-GB/Default.aspx>

### 4.3 OMIP Code of Conduct / Código de Ética de OMIP / Código de Ética do OMIP

<http://www.omip.pt/Downloads/tabid/104/language/en-GB/Default.aspx>

## 5. Operational Limits

### 5.1. Parameters of the Order Transaction Ratio

In accordance with OMIP Instruction 01/2017 – Operational Limits, OMIP sets the following limits to ratio of the quantity of ordered contracts to executed contracts to 10.000 and the following limit to the ratio of the volume of ordered contracts to executed contracts to 72.000.000 MWh.

### 5.2 Positions Limits

	Venue Product Code		Instrument Code	New & Illiquid	Spot Month			Other Months			Description
	Limit Group	Unit		New & Illiquid Art 15 1.a)	Deliverable Supply	Spot Month Limit Factor	Spot Month Applicable Limit	Limit Group Total Open Interest (2 sides)	Other Months Factor	Other Months Applicable Limit	
Power	SPEL Base	MWh	FTB / FWB / SWB	FALSE	80.089.930	0,25	20.022.483	17.679.933	0,35	6.187.977	Spain Base Load
	SPEL Peak	MWh	FTK	TRUE	n.a.	n.a.	900.000	n.a.	n.a.	900.000	Spain Peak Load
	PTEL Base	MWh	FPB / SPB	TRUE	n.a.	n.a.	1.800.000	n.a.	n.a.	1.800.000	Portugal Base Load
	SPEL Solar	MWh	FTS	TRUE	n.a.	n.a.	593.250	n.a.	n.a.	593.250	Spain Solar Load
	DEEL Base	MWh	FDB	TRUE	n.a.	n.a.	1.800.000	n.a.	n.a.	1.800.000	Phelix Base Load
	FREL Base	MWh	FFB	TRUE	n.a.	n.a.	1.800.000	n.a.	n.a.	1.800.000	France Base Load
	IFTR E-P Base	MWh	FTR E-P	TRUE	n.a.	n.a.	1.800.000	n.a.	n.a.	1.800.000	Interconnection: Financial Transmission Rights E-P
	IFTR P-E Base	MWh	FTR P-E	TRUE	n.a.	n.a.	1.800.000	n.a.	n.a.	1.800.000	Interconnection: Financial Transmission Rights P-E
NG	PVB-ES	MWh	FGE	TRUE	n.a.	n.a.	9.000.000	n.a.	n.a.	9.000.000	Spanish Virtual Balancing Point (PVB-ES)

### 5.3. Volume Limits per Order (nº of contracts)

Power Products: Days (500), Weekends (500), Weeks (250), Months (100), Quarters (100), Years (50).

Natural Gas Products: Days (10000), Weekends (10000), Week Days (5000), Balance of the Month (2000), Months (2000), Quarters (2000), Season (1500), Years (1000).

## 6. Liquidity Provider / Proveedor de Liquidez / Fornecedor de Liquidez

### 6.1 MIBEL SPEL Base Load Futures (FTB)

Contract / Contrato / Contrato	Liquidity Provider / Proveedor de Liquidez / Fornecedor de Liquidez
<b>FTB M+1</b>	Endesa Generación, S.A.U.
<b>FTB M+2</b>	
<b>FTB Q+1</b>	Axpo Iberia, S.L.
<b>FTB Q+2</b>	
<b>FTB Y+1</b>	
<b>FTB Y+2</b>	EDF Trading Markets Limited

*M+1: Front month contract // Contrato del mes siguiente // Contrato do mês seguinte*

*M+2: Second month ahead contract // Contrato del segundo mes siguiente // Contrato do segundo mês seguinte*

*Q+1: Front quarter contract // Contrato del trimestre siguiente // Contrato do trimestre seguinte*

*Q+2: Second quarter ahead contract // Contrato del segundo trimestre siguiente // Contrato do segundo trimestre seguinte*

*Y+1: Front Year contract // Contrato del primer año siguiente // Contrato do primeiro ano seguinte*

*Y+2: Second year ahead contract // Contrato del segundo año siguiente // Contrato do segundo ano seguinte*



## 6.2 MIBEL SPEL Base Load Futures (FTB) (cont.)

Endesa Generación, S.A.U performs liquidity provider operations in the two front months each moment listed for trading on the "FTB..." contracts.

Axpo Iberia, S.L. performs liquidity provider operations in the front year and the two front quarters each moment listed for trading on the "FTB..." contracts.

Endesa Generación, S.A.U realiza operaciones de proveedores de liquidez en los dos meses más cercanos a cada momento listados para negociación en los contratos "FTB..."

Axpo Iberia, S.L. realiza operaciones de proveedores de liquidez en el primer año y en los dos trimestres más cercanos a cada momento listados para negociación en los contratos "FTB..."

Endesa Generación, S.A.U. realiza operações de fornecedores de liquidez nos dois primeiros meses a cada momento listados para negociação nos contratos "FTB..."

Axpo Iberia, S.L. realiza operações de fornecedores de liquidez no primeiro ano e nos dois trimestres mais próximos listados a cada momento para negociação nos contratos "FTB..."