

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

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

Instrument	Nominal Value MWh	Futures (FTB)										Market Total (excl. OTC)					Forwards (FWB)		Swaps (SWB)		
		Auction		Trading Session			Closing Orders		Settlement (1)			Buy+Sell					OTC	Open Interest	OTC	Open Interest	
		Eq.	Open	High	Low	Last	Bid	Ask	Price	Change	Auction	Continuous	Energy	Fin.	Phys.	OTC					Open Interest
€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	#cont.	#cont.	MWh	#cont.	#cont.	#cont.	#cont.	#cont.	#cont.	#cont.		
FTB D Th28Nov-19	24								40,21	-3,04											
FTB D Fr29Nov-19	24								46,00	-0,50											
FTB D Sa30Nov-19	24								41,82	0,25											
FTB D Su01Dec-19	24								37,18	0,25											
FTB WE 30Nov-19	48								39,50	0,25											
FTB Wk49-19	168								50,50	1,00											
FTB Wk50-19	168								49,80	1,25											
FTB Wk51-19	168								50,00	1,25											
FTB M Dec-19	744		50,35	50,35	50,35	50,35	49,50		50,00	1,25		10	7.440	20		5	1428				
FTB M Jan-20	744		51,85	51,85	51,85	51,85	50,65		51,85	0,85		10	7.440	20			76				
FTB M Feb-20	696								53,94	0,74											
FTB M Mar-20	743								48,13	0,66											
FTB M Apr-20	720								45,61	0,52											
FTB M May-20	744								53,32	0,61											
FTB Q1-20	2183						51,10	51,75	51,25	0,75						12	609				
FTB Q2-20	2184						47,60	48,50	48,15	0,55						50	184				
FTB Q3-20	2208						51,00		51,97	0,15							56				
FTB Q4-20	2209								55,58	0,16							25				
FTB Q1-21	2159								50,41	0,55											
FTB Q2-21	2184								47,36	0,36											
FTB Q3-21	2208								51,12	-0,04											
FTB YR-20	8784						51,30	52,10	51,75	0,40						3	692				
FTB YR-21	8760						50,30	51,50	50,90	0,20							106				
FTB YR-22	8760						47,45		47,95	0,05							31				
FTB YR-23	8760		46,40	46,40	46,40	46,40			46,40	-0,50		1	8.760	2			9				
FTB YR-24	8784						44,40	46,00	45,20	0,30							5				
FTB YR-25	8760						42,00	44,00	43,00	0,10							5				
FTB YR-26	8760						41,25	43,00	42,13	0,23							5				

- <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			Buy+Sell						
		Eq.	Open	High	Low	Last	Bid	Ask	Price	Change	Auction	Continuous	Energy	Fin.	Phys.	OTC	Open Interest	
		€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	#cont.	#cont.	MWh	#cont.	#cont.	#cont.	#cont.
FTK D Th28Nov-19	12								46,90	-0,74								
FTK D Fr29Nov-19	12								50,96	0,07								
FTK Wk49-19	60								54,38	1,08								
FTK Wk50-19	60								53,61	1,34								
FTK Wk51-19	60								53,84	1,35								
FTK M Dec-19	264								53,84	1,35								
FTK M Jan-20	276								55,96	0,92								
FTK M Feb-20	240								58,24	0,80								
FTK M Mar-20	264								51,97	0,71								
FTK M Apr-20	264								49,35	0,56								
FTK M May-20	252								57,71	0,66								
FTK Q1-20	780								55,31	0,81								
FTK Q2-20	780								52,10	0,59								
FTK Q3-20	792								56,10	0,15								
FTK Q4-20	792								60,06	0,17								
FTK Q1-21	768								54,40	0,59								
FTK Q2-21	780								51,08	0,39								
FTK Q3-21	792								55,17	-0,04								
FTK YR-20	3144								55,91	0,43								
FTK YR-21	3132								54,95	0,22								
FTK YR-22	3120								51,71	0,05								
FTK YR-23	3120								49,99	-0,54								
FTK YR-24	3144								48,79	0,32								
FTK YR-25	3120								46,37	0,11								
FTK YR-26	3120								45,46	0,25								

1.3 MIBEL PTEL Base Load (FPB)

Instrument	Nom. Value	Futures (FPB)											Market Total (excl. OTC)					Mini Swaps (SPB)									
		Auction		Trading Session			Closing Orders		Settlement (1)		Auction		Conti.		Energy		Fin.		Phys.		OTC		Open Interest	Instrument	Nom. Value	OTC	Open Interest
		Eq.	Open	High	Low	Last	Bid	Ask	Price	Change	#cont.	#cont.	MWh	#cont.	#cont.	#cont.	#cont.	#cont.	#cont.	MWh	#cont.	#cont.					
FPB D Th28Nov-19	24								40,21	-2,75												SPB D Th28Nov-19	2,4				
FPB D Fr29Nov-19	24								45,78	-0,43												SPB D Fr29Nov-19	2,4				
FPB D Sa30Nov-19	24								41,60	0,32												SPB D Sa30Nov-19	2,4				
FPB D Su01Dec-19	24								36,96	0,32												SPB D Su01Dec-19	2,4				
FPB WE 30Nov-19	48								39,28	0,32												SPB WE 30Nov-19	4,8				
FPB Wk49-19	168								50,39	1,00												SPB Wk49-19	16,8				
FPB Wk50-19	168								49,69	1,25												SPB Wk50-19	16,8				
FPB Wk51-19	168								49,89	1,25												SPB Wk51-19	16,8				
FPB M Dec-19	744								49,89	1,25										693		SPB M Dec-19	72,0				
FPB M Jan-20	744								51,69	0,85												SPB M Jan-20	74,4				
FPB M Feb-20	696								53,77	0,74												SPB M Feb-20	74,4				
FPB M Mar-20	743								48,01	0,66												SPB M Mar-20	69,6				
FPB M Apr-20	720								45,68	0,52												SPB M Apr-20	74,3				
FPB M May-20	744								53,39	0,61												SPB M May-20	72,0				
FPB Q1-20	2183								51,10	0,75										205		SPB Q1-20	218,3				
FPB Q2-20	2184								48,22	0,55												SPB Q2-20	218,4				
FPB Q3-20	2208								52,05	0,15												SPB Q3-20	220,8				
FPB Q4-20	2209								55,59	0,16												SPB Q4-20	220,9				
FPB Q1-21	2159								50,44	0,55												SPB Q1-21	215,9				
FPB Q2-21	2184								47,39	0,36												SPB Q2-21	218,4				
FPB Q3-21	2208								51,15	-0,04												SPB Q3-21	220,8				
FPB YR-20	8784								51,75	0,40										136		SPB YR-20	878,4				
FPB YR-21	8760								50,93	0,20												SPB YR-21	876,0				
FPB YR-22	8760								47,98	0,05												SPB YR-22	876,0				
FPB YR-23	8760								46,43	-0,50												SPB YR-23	876,0				
FPB YR-24	8784								45,23	0,30												SPB YR-24	878,4				
FPB YR-25	8760								43,03	0,10												SPB YR-25	876,0				
FPB YR-26	8760								42,16	0,23												SPB YR-26	876,0				

- <sup>(1)</sup> *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		Buy+Sell		
		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.
FTS D Th28Nov-19	2,72							44,46	-2,11							
FTS D Fr29Nov-19	2,72							49,55	-0,27							
FTS D Sa30Nov-19	2,72							42,97	0,25							
FTS D Su01Dec-19	2,35							37,79	0,25							
FTS WE 30Nov-19	5,07							40,38	0,25							
FTS Wk49-19	16,45							54,09	1,07							
FTS Wk50-19	16,45							53,36	1,34							
FTS Wk51-19	16,45							53,57	1,34							
FTS M Dec-19	72,85							53,57	1,34							
FTS M Jan-20	82,46							53,13	0,87							
FTS M Feb-20	112,23							55,15	0,78							
FTS M Mar-20	143,53							49,06	0,69							
FTS M Apr-20	169,5							47,08	0,54							
FTS M May-20	213,9							55,07	0,63							
FTS Q1-20	338,22							52,07	0,76							
FTS Q2-20	602,4							49,72	0,57							
FTS Q3-20	619,19							52,69	0,15							
FTS Q4-20	277,52							59,44	0,17							
FTS Q1-21	334,35							50,92	0,55							
FTS Q2-21	602,4							47,83	0,36							
FTS Q3-21	619,19							51,66	-0,04							
FTS YR-20	1837,33							52,62	0,40							
FTS YR-21	1833,46							51,45	0,20							
FTS YR-22	1833,46							48,19	0,05							
FTS YR-23	1833,46							46,40	-0,50							
FTS YR-24	1837,33							45,20	0,30							
FTS YR-25	1833,46							43,00	0,10							
FTS YR-26	1833,46							42,13	0,23							

1.5 German DEEL Base Load (FDB)

Instrument	Nominal Value €/MWh	Futures (FDB)										Market Total (excl. OTC)				Open Interest #cont.	
		Auction		Trading Session			Closing Orders		Settlement		Auction	Continuous	Energy	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.	MWh	#cont.		#cont.
FDB D Th28Nov-19	24								30,49	-0,51							
FDB D Fr29Nov-19	24								37,56	-0,86							
FDB D Sa30Nov-19	24								40,74	1,09							
FDB D Su01Dec-19	24								41,18	0,95							
FDB WE 30Nov-19	48								40,96	1,02							
FDB Wk49-19	168								39,88	0,38							
FDB Wk50-19	168								40,60	1,32							
FDB Wk51-19	168								41,65	1,15							
FDB M Dec-19	744								37,67	0,79							
FDB M Jan-20	744								46,46	1,15							
FDB M Feb-20	696								48,38	0,55							
FDB M Mar-20	743								44,45	0,95							
FDB M Apr-20	720								42,37	0,47							
FDB M May-20	744								41,51	0,89							
FDB Q1-20	2183								46,39	0,89							
FDB Q2-20	2184								42,37	0,59							
FDB Q3-20	2208								45,12	0,64							
FDB Q4-20	2209								50,52	0,68							
FDB Q1-21	2159								52,17	0,73							
FDB Q2-21	2184								43,08	0,55							
FDB Q3-21	2208								44,58	0,50							
FDB YR-20	8784								46,11	0,70							
FDB YR-21	8760								47,74	0,58							
FDB YR-22	8760								48,87	0,54							
FDB YR-23	8760								50,07	0,27							
FDB YR-24	8784								50,90	0,25							
FDB YR-25	8760								51,45	0,25							
FDB YR-26	8760								51,45	0,25							

## 1.6 French FREL Base Load (FFB)

Instrument	Nominal Value €/MWh	Futures (FFB)										Market Total (excl. OTC)					
		Auction		Trading Session			Closing Orders		Settlement		Auction	Continuous	Energy	Buy+Sell			
		Eq.	Open	High	Low	Last	Bid	Ask	Price	Change				Fin.	Phys.	OTC	Open Interest
		€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	#cont.	#cont.	MWh	#cont.	#cont.	#cont.
FFB D Th28Nov-19	24								40,21	-1,29							
FFB D Fr29Nov-19	24								48,00	0,06							
FFB D Sa30Nov-19	24								43,63	1,41							
FFB D Su01Dec-19	24								42,37	0,71							
FFB WE 30Nov-19	48								43,00	1,06							
FFB Wk49-19	168								54,00	2,37							
FFB Wk50-19	168								53,00	2,56							
FFB Wk51-19	168								52,25	1,25							
FFB M Dec-19	744								50,46	2,33							
FFB M Jan-20	744								56,72	2,11							
FFB M Feb-20	696								57,81	1,31							
FFB M Mar-20	743								49,45	1,08							
FFB M Apr-20	720								44,42	0,27							
FFB M May-20	744								38,75	0,30							
FFB Q1-20	2183								54,59	1,50							
FFB Q2-20	2184								41,31	0,31							
FFB Q3-20	2208								43,49	0,88							
FFB Q4-20	2209								57,82	0,82							
FFB Q1-21	2159								58,88	0,53							
FFB Q2-21	2184								39,80	0,46							
FFB Q3-21	2208								41,30	0,40							
FFB YR-20	8784								49,31	0,88							
FFB YR-21	8760								48,75	0,46							
FFB YR-22	8760								48,13	0,27							
FFB YR-23	8760								49,33	0,00							
FFB YR-24	8784								50,16	-0,02							
FFB YR-25	8760								50,71	-0,02							
FFB YR-26	8760								50,71	-0,02							



1.7 PVB-ES NG Physical Futures Contracts (FGE)

Instrument	Nominal Value	Futures (FGE)											Market Total (excl. OTC)				Open Interest #cont.	
		Auction	Trading Session				Closing Orders		Settlement		Auction	Continuous	Energy	Buy+Sell				
		Eq.	Open	High	Low	Last	Bid	Ask	Price	Change	#cont.	#cont.	MWh	Fin.	Phys.	OTC		
		MWh/Day	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	#cont.	#cont.	MWh	#cont.	#cont.		#cont.
FGE D Th28Nov-19	1							14,72	-0,32									
FGE D Fr29Nov-19	1							14,79	-0,27									
FGE D Sa30Nov-19	1							14,14	0,08									
FGE D Su01Dec-19	1							14,14	0,08									
FGE WE 30Nov-19	2							14,14	0,08									
FGE WkDs49-19	5							15,68	0,26									
FGE WE 07Dec-19	2							15,68	0,26									
FGE WkDs50-19	5							15,68	0,26									
FGE WE 14Dec-19	2							15,68	0,26									
FGE WkDs51-19	5							15,68	0,26									
FGE WE 21Dec-19	2							15,68	0,26									
FGE BoM D+1 Calendar Day	3							14,55	n.a.									
FGE M Dec-19	31							15,63	0,21									1125
FGE M Jan-20	31							17,20	0,25									
FGE M Feb-20	29							17,26	0,31									
FGE Q1-20	91							17,04	0,33									
FGE Q2-20	91							15,90	0,00									
FGE Q3-20	92							15,93	0,05									
FGE Q4-20	92							19,08	-0,01									
FGE Sum-20	183							15,91	0,02									
FGE Win-20	182							17,95	0,05									
FGE Sum-21	183							17,28	0,02									
FGE YR-20	366							16,99	0,09									625
FGE YR-21	365							18,45	0,09									

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		Buy+Sell						
		Eq.	Open	High	Low	Last	Bid	Ask	Price	Change	Auction	Continuous	Energy	Fin.	Phys.	OTC	Open Interest
		€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	#cont.	#cont.	MWh	#cont.	#cont.	#cont.	#cont.
OEB C M Dec-19 49	744								1,00	n.a.							
OEB C M Dec-19 50	744								0,00	n.a.							
OEB C M Dec-19 51	744								0,00	n.a.							
OEB C M Dec-19 52	744								0,00	n.a.							
OEB C M Dec-19 53	744								0,00	n.a.							
OEB C M Dec-19 54	744								0,00	n.a.							
OEB C M Dec-19 55	744								0,00	n.a.							
OEB C M Dec-19 56	744								0,00	n.a.							
OEB C M Dec-19 57	744								0,00	n.a.							
OEB C M Dec-19 58	744								0,00	n.a.							
OEB C M Dec-19 59	744								0,00	n.a.							
OEB C M Dec-19 60	744								0,00	n.a.							
OEB C M Dec-19 61	744								0,00	n.a.							
OEB C M Dec-19 62	744								0,00	n.a.							
OEB C M Dec-19 63	744								0,00	n.a.							
OEB C M Dec-19 64	744								0,00	n.a.							
OEB P M Dec-19 60	744								10,00	n.a.							
OEB P M Dec-19 59	744								9,00	n.a.							
OEB P M Dec-19 58	744								8,00	n.a.							
OEB P M Dec-19 57	744								7,00	n.a.							
OEB P M Dec-19 56	744								6,00	n.a.							
OEB P M Dec-19 55	744								5,00	n.a.							
OEB P M Dec-19 54	744								4,00	n.a.							
OEB P M Dec-19 53	744								3,00	n.a.							
OEB P M Dec-19 52	744								2,00	n.a.							

OEB P M Dec-19 51	744	1,00	n.a.
OEB P M Dec-19 50	744	0,00	n.a.
OEB P M Dec-19 49	744	0,00	n.a.
OEB P M Dec-19 48	744	0,00	n.a.
OEB P M Dec-19 47	744	0,00	n.a.
OEB P M Dec-19 46	744	0,00	n.a.
OEB C M Jan-20 52	744	1,22	n.a.
OEB C M Jan-20 53	744	0,81	n.a.
OEB C M Jan-20 54	744	0,51	n.a.
OEB C M Jan-20 55	744	0,31	n.a.
OEB C M Jan-20 56	744	0,17	n.a.
OEB C M Jan-20 57	744	0,09	n.a.
OEB C M Jan-20 58	744	0,05	n.a.
OEB C M Jan-20 59	744	0,02	n.a.
OEB C M Jan-20 60	744	0,01	n.a.
OEB P M Jan-20 56	744	4,33	n.a.
OEB P M Jan-20 55	744	3,46	n.a.
OEB P M Jan-20 54	744	2,66	n.a.
OEB P M Jan-20 53	744	1,96	n.a.
OEB P M Jan-20 52	744	1,37	n.a.
OEB P M Jan-20 51	744	0,90	n.a.
OEB P M Jan-20 50	744	0,55	n.a.
OEB P M Jan-20 49	744	0,31	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	#cont.	#cont.	MWh	#cont.	#cont.	#cont.	#cont.	#cont.	#cont.	#cont.	#cont.	#cont.	#cont.	#cont.		
€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh		
OEB C Q1-20 51	2183								1,18	n.a.																
OEB C Q1-20 52	2183								0,73	n.a.																
OEB C Q1-20 53	2183								0,42	n.a.																
OEB C Q1-20 54	2183								0,22	n.a.																
OEB C Q1-20 55	2183								0,11	n.a.																
OEB C Q1-20 56	2183								0,05	n.a.																
OEB C Q1-20 57	2183								0,02	n.a.																
OEB C Q1-20 58	2183								0,01	n.a.																
OEB C Q1-20 59	2183								0,00	n.a.																
OEB C Q1-20 60	2183								0,00	n.a.																
OEB C Q1-20 61	2183								0,00	n.a.																
OEB P Q1-20 57	2183								5,77	n.a.																
OEB P Q1-20 56	2183								4,80	n.a.																
OEB P Q1-20 55	2183								3,86	n.a.																
OEB P Q1-20 54	2183								2,97	n.a.																
OEB P Q1-20 53	2183								2,17	n.a.																
OEB P Q1-20 52	2183								1,48	n.a.																
OEB P Q1-20 51	2183								0,93	n.a.																
OEB P Q1-20 50	2183								0,53	n.a.																
OEB P Q1-20 49	2183								0,27	n.a.																
OEB P Q1-20 48	2183								0,12	n.a.																
OEB C Q2-20 48	2184								2,49	n.a.																
OEB C Q2-20 49	2184								2,03	n.a.																
OEB C Q2-20 50	2184								1,64	n.a.																
OEB C Q2-20 51	2184								1,31	n.a.																
OEB C Q2-20 52	2184								1,04	n.a.																
OEB C Q2-20 53	2184								0,81	n.a.																

OEB C Q2-20 54	2184	0,63	n.a.
OEB C Q2-20 55	2184	0,48	n.a.
OEB P Q2-20 51	2184	4,17	n.a.
OEB P Q2-20 50	2184	3,50	n.a.
OEB P Q2-20 49	2184	2,88	n.a.
OEB P Q2-20 48	2184	2,34	n.a.
OEB P Q2-20 47	2184	1,85	n.a.
OEB P Q2-20 46	2184	1,44	n.a.
OEB P Q2-20 45	2184	1,09	n.a.

1.8.3 Year 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	Auction	Continuous	Energy	Fin.	Phys.	OTC	Open Interest	#cont.	#cont.	#cont.	#cont.	#cont.	#cont.	#cont.	
€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	#cont.	#cont.	MWh	#cont.	#cont.	#cont.	#cont.	#cont.	#cont.	#cont.	#cont.	#cont.	#cont.			
OEB C 4 YR-20 52	8784								0,75	n.a.															
OEB C 4 YR-20 53	8784								0,39	n.a.															
OEB C 4 YR-20 54	8784								0,18	n.a.															
OEB C 4 YR-20 55	8784								0,07	n.a.															
OEB C 4 YR-20 56	8784								0,03	n.a.															
OEB C 4 YR-20 57	8784								0,01	n.a.															
OEB C 4 YR-20 58	8784								0,00	n.a.															
OEB C 4 YR-20 59	8784								0,00	n.a.															
OEB C 4 YR-20 60	8784								0,00	n.a.															
OEB P 4 YR-20 56	8784								4,28	n.a.															
OEB P 4 YR-20 55	8784								3,33	n.a.															
OEB P 4 YR-20 54	8784								2,43	n.a.															
OEB P 4 YR-20 53	8784								1,64	n.a.															
OEB P 4 YR-20 52	8784								1,00	n.a.															
OEB P 4 YR-20 51	8784								0,54	n.a.															
OEB P 4 YR-20 50	8784								0,25	n.a.															
OEB P 4 YR-20 49	8784								0,10	n.a.															

1.9 FTR Baseload (FTR)

Instrument	Nominal Value	Financial Transmission Rights (FTR)											Market Total (excl. OTC)				
		Auction		Trading Session			Closing Orders		Settlement		Auction	Continuous	Energy	Buy+Sell			
		Eq.	Open	High	Low	Last	Bid	Ask	Price	Change				Fin.	Phys.	OTC	Open Interest
		MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	€/MWh	#cont.	#cont.	MWh	#cont.	#cont.	#cont.
FTR E-P M Dec-19	720								0,00	n.a.							
FTR P-E M Dec-19	720								0,00	n.a.							
FTR P-E M Jan-20	744								0,00	n.a.							
FTR P-E M Jan-20	744								0,00	n.a.							
FTR P-E M Feb-20	696								0,00	n.a.							
FTR P-E M Feb-20	696								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
27-11-2019	41,99	46,18	42,07	46,34	-0,08	-0,16	0,08	0,00	44,87	39,50	42,31
28-11-2019	40,21	46,90	40,21	46,90	0,00	0,00	0,00	0,00	44,46	30,49	40,21

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						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						
Galp Gás Natural S.A	X						X
Gas Natural Comercializadora, S.A.	X						X
Naturgy Energy Group	X					X	
Comercializadora Regulada, Gas & Power, S.A.	X					X	
GeoAtlanter, S.L.	X						
Gesternova, S.A.	X						
GFI Brokers Ltd.		X					
Gnera Energía y Tecnología, S.L	X						
Goldman Sachs Bank Europe SE	X				X		
Goldman Sachs International	X			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
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					
Ignis Energia S.L.	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						
Naturgy Commodities Trading, S.A.	X						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						
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
TP ICAP (Europe) S.A.	X	X					
Trafigura PTE Ltd.							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
TrailStone GmgH	X						
Tullett Prebon (Europe) Limited		X					
Tullett Prebon (Securities) Limited	X						
Uniper Global Commodities SE	X						X
Viesgo Comercializadora de Referencia, S.L.	X					X	
Viesgo Generación, S.L.	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

Since October 18<sup>th</sup> 2019:

Venue Product Code		Instrument Code	New & Illiquid		Spot Month			Other Months			Description
Limit Group	Unit		New & Illiquid Art 15 1.a)	New & Illiquid Art 15 1.a) Applicable Limit	Deliverable Supply	Spot Month Limit Factor	Spot Month Applicable Limit	Limit Group Total Open Interest (Single Sided)	Other Months Factor	Other Months Applicable Limit	
SPEL Base	MWh	FTB / FWB / SWB	FALSE	n.a.	80 089 930	0,25	20 022 483	16 616 826	0,35	5 815 889	Spain Base Load
SPEL Peak	MWh	FTK	TRUE	900 000	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	Spain Peak Load
PTEL Base	MWh	FPB / SPB	TRUE	1 800 000	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	Portugal Base Load
SPEL Solar	MWh	FTS	TRUE	593 250	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	Spain Solar Load
DEEL Base	MWh	FDB	TRUE	1 800 000	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	Phelix Base Load
FREL Base	MWh	FFB	TRUE	1 800 000	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	France Base Load
IFTR E-P Base	MWh	FTR E-P	TRUE	1 800 000	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	Interconnection: Financial Transmission Rights E-P
IFTR P-E Base	MWh	FTR P-E	TRUE	1 800 000	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	Interconnection: Financial Transmission Rights P-E
PVB-ES	MWh	FGE	TRUE	9 000 000	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	Spanish Virtual Balancing Point (PVB-ES)

### 5.3. Volume Limits per Order (n° of contracts)

Power Products: Days (600), 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 Y+2</b>	
<b>FTB Q+1</b>	Axpó Iberia, S.L.
<b>FTB Q+2</b>	
<b>FTB Y+1</b>	

*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 and in the second year 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 y en el segundo año más cercano 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 e no segundo ano 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..."

## 7. Code of Ehtics and Conduct / Código Ético y de Conducta / Código de Ética e Conduta

A new Code of Ethics and Conduct was approved and entered into force on April 1, 2019 revoking the previous code. The new code can be consulted at the following address: <https://www.omip.pt/en/content/codigo-de-etica-e-conduta> or on the OMIP Website in the "Downloads" section.

Se aprobó un nuevo Código de Ética y Conducta y entró en vigor el 1 de abril de 2019 revocando el código anterior. El nuevo código podrá ser consultado en el siguiente enlace: <https://www.omip.es/es-es/content/codigo-de-etica--conducta> o en el sitio web de OMIP en la sección "Descargas".

Um novo Código de Ética e Conduta foi aprovado e entrou em vigor no dia 1 de Abril de 2019 revogando o anterior código. O novo código pode ser consultado no seguinte endereço: <https://www.omip.pt/pt-pt/content/codigo-de-etica-e-conduta> ou no Website OMIP na secção "Downloads".