

### Transactions in own shares

Pearson plc (the **Company**) announces today it has purchased the following number of its ordinary shares of 25 pence each on the London Stock Exchange from J.P. Morgan Securities plc.

Date of purchase:	23 November 2017
Aggregate number of ordinary shares of 25 pence each purchased:	317,079
Lowest price paid per share (GBp)	699.5000
Highest price paid per share (GBp)	708.5000
Average price paid per share (GBp)	705.7324

The Company will cancel the purchased shares.

These share purchases form part of the Company's existing buy-back programme which is expected to be completed over the period from 18 October 2017 to 26 April 2018, details of which were announced on 17 October 2017.

The table below contains detailed information of the individual trades made by J.P. Morgan Securities plc as part of the buyback programme.

#### Schedule of Purchases

Shares purchased:	Pearson plc (ISIN: GB0006776081)
Date of purchases:	23 November 2017
Investment firm:	J.P. Morgan Securities plc

#### Aggregate information:

Venue	Volume-weighted average price (GBp)	Aggregated volume	Lowest price per share (GBp)	Highest price per share (GBp)
London Stock Exchange	705.7324	317,079	699.5000	708.5000

#### Individual transactions

Broker	Transaction Date and Time	Volume	Price (GBp)	Trading Venue	Transaction Reference Number
J.P. Morgan Securities plc	23-Nov-2017 08:05:29	713	701.5000	XLON	84203842000002159-E0Xie8le6K3v20171123
J.P. Morgan Securities plc	23-Nov-2017 08:07:02	817	702.0000	XLON	84403844000002794-E0Xie8le6MOV20171123
J.P. Morgan Securities plc	23-Nov-2017 08:07:19	34	701.5000	XLON	84403844000002910-E0Xie8le6Mkv20171123
J.P. Morgan Securities plc	23-Nov-2017 08:07:19	750	701.5000	XLON	84403844000002910-E0Xie8le6Mkt20171123
J.P. Morgan Securities plc	23-Nov-2017 08:08:39	570	700.5000	XLON	84403844000003137-E0Xie8le6O8W20171123
J.P. Morgan Securities plc	23-Nov-2017 08:08:39	500	700.5000	XLON	84403844000003137-E0Xie8le6O8Y20171123

J.P. Morgan Securities plc	23-Nov-2017 08:09:19	80	700.5000	XLON	84403844000003256-E0Xie8le6Ole20171123
J.P. Morgan Securities plc	23-Nov-2017 08:09:19	702	700.5000	XLON	84403844000003256-E0Xie8le6Olg20171123
J.P. Morgan Securities plc	23-Nov-2017 08:10:04	784	700.5000	XLON	84203842000003371-E0Xie8le6Pnf20171123
J.P. Morgan Securities plc	23-Nov-2017 08:10:40	35	699.5000	XLON	84203842000003242-E0Xie8le6QIP20171123
J.P. Morgan Securities plc	23-Nov-2017 08:10:45	49	699.5000	XLON	84203842000003242-E0Xie8le6QOS20171123
J.P. Morgan Securities plc	23-Nov-2017 08:10:50	49	699.5000	XLON	84203842000003242-E0Xie8le6QW120171123
J.P. Morgan Securities plc	23-Nov-2017 08:10:55	49	699.5000	XLON	84203842000003242-E0Xie8le6QZg20171123
J.P. Morgan Securities plc	23-Nov-2017 08:12:23	784	700.0000	XLON	84203842000003625-E0Xie8le6S5r20171123
J.P. Morgan Securities plc	23-Nov-2017 08:12:23	949	700.0000	XLON	84203842000003739-E0Xie8le6S5t20171123
J.P. Morgan Securities plc	23-Nov-2017 08:12:53	11	699.5000	XLON	84403844000003976-E0Xie8le6SX920171123
J.P. Morgan Securities plc	23-Nov-2017 08:21:18	525	702.5000	XLON	84403844000006346-E0Xie8le6d9i20171123
J.P. Morgan Securities plc	23-Nov-2017 08:21:18	193	702.5000	XLON	84403844000006346-E0Xie8le6d9m20171123
J.P. Morgan Securities plc	23-Nov-2017 08:21:18	209	702.5000	XLON	84403844000006346-E0Xie8le6d9k20171123
J.P. Morgan Securities plc	23-Nov-2017 08:21:19	362	702.5000	XLON	84203842000006333-E0Xie8le6dAQ20171123
J.P. Morgan Securities plc	23-Nov-2017 08:21:19	399	702.5000	XLON	84203842000006333-E0Xie8le6dAO20171123
J.P. Morgan Securities plc	23-Nov-2017 08:21:19	750	702.5000	XLON	84203842000006333-E0Xie8le6dAM20171123
J.P. Morgan Securities plc	23-Nov-2017 08:21:43	927	701.5000	XLON	84203842000006144-E0Xie8le6dQS20171123
J.P. Morgan Securities plc	23-Nov-2017 08:21:59	341	701.5000	XLON	84203842000006490-E0Xie8le6ddj20171123
J.P. Morgan Securities plc	23-Nov-2017 08:21:59	114	701.5000	XLON	84203842000006490-E0Xie8le6ddf20171123
J.P. Morgan Securities plc	23-Nov-2017 08:21:59	737	701.5000	XLON	84203842000006490-E0Xie8le6ddd20171123
J.P. Morgan Securities plc	23-Nov-2017 08:21:59	115	701.5000	XLON	84203842000006490-E0Xie8le6ddh20171123
J.P. Morgan Securities plc	23-Nov-2017 08:22:39	100	701.5000	XLON	84203842000006608-E0Xie8le6eL220171123
J.P. Morgan Securities plc	23-Nov-2017 08:24:03	1327	702.5000	XLON	84203842000006838-E0Xie8le6fqu20171123
J.P. Morgan Securities plc	23-Nov-2017 08:24:40	1309	702.0000	XLON	84203842000006829-E0Xie8le6gQv20171123
J.P. Morgan Securities plc	23-Nov-2017 08:24:40	713	702.5000	XLON	84403844000007026-E0Xie8le6gQm20171123
J.P. Morgan Securities plc	23-Nov-2017 08:37:30	713	702.0000	XLON	84203842000009272-E0Xie8le6tuO20171123
J.P. Morgan Securities plc	23-Nov-2017 08:45:40	115	701.5000	XLON	84203842000011273-E0Xie8le72SI20171123

J.P. Morgan Securities plc	23-Nov-2017 08:45:40	554	701.5000	XLON	84203842000011273-E0Xie8le72Sj20171123
J.P. Morgan Securities plc	23-Nov-2017 08:45:40	44	701.5000	XLON	84203842000011273-E0Xie8le72Ss20171123
J.P. Morgan Securities plc	23-Nov-2017 08:59:46	113	701.0000	XLON	84203842000014258-E0Xie8le7GMF20171123
J.P. Morgan Securities plc	23-Nov-2017 08:59:46	600	701.0000	XLON	84203842000014258-E0Xie8le7GM920171123
J.P. Morgan Securities plc	23-Nov-2017 08:59:46	713	701.0000	XLON	84403844000014293-E0Xie8le7GLz20171123
J.P. Morgan Securities plc	23-Nov-2017 09:01:18	750	701.0000	XLON	84203842000014640-E0Xie8le7l8G20171123
J.P. Morgan Securities plc	23-Nov-2017 09:01:18	34	701.0000	XLON	84203842000014640-E0Xie8le7l8l20171123
J.P. Morgan Securities plc	23-Nov-2017 09:06:42	713	701.0000	XLON	84403844000015176-E0Xie8le7Mfi20171123
J.P. Morgan Securities plc	23-Nov-2017 09:14:39	359	701.5000	XLON	84403844000017464-E0Xie8le7Vfp20171123
J.P. Morgan Securities plc	23-Nov-2017 09:14:39	425	701.5000	XLON	84403844000017464-E0Xie8le7Vfr20171123
J.P. Morgan Securities plc	23-Nov-2017 09:18:14	700	702.0000	XLON	84203842000018001-E0Xie8le7Ybk20171123
J.P. Morgan Securities plc	23-Nov-2017 09:18:14	750	702.0000	XLON	84203842000018001-E0Xie8le7Ybm20171123
J.P. Morgan Securities plc	23-Nov-2017 09:18:14	1090	702.0000	XLON	84203842000018001-E0Xie8le7Ybs20171123
J.P. Morgan Securities plc	23-Nov-2017 09:22:30	2057	703.0000	XLON	84203842000018867-E0Xie8le7ciD20171123
J.P. Morgan Securities plc	23-Nov-2017 09:23:19	713	702.5000	XLON	84203842000019018-E0Xie8le7dIR20171123
J.P. Morgan Securities plc	23-Nov-2017 09:32:33	1250	702.5000	XLON	84203842000020269-E0Xie8le7kkQ20171123
J.P. Morgan Securities plc	23-Nov-2017 09:32:33	1083	702.5000	XLON	84203842000020434-E0Xie8le7kkU20171123
J.P. Morgan Securities plc	23-Nov-2017 09:32:39	320	702.5000	XLON	84403844000020502-E0Xie8le7koS20171123
J.P. Morgan Securities plc	23-Nov-2017 09:32:39	750	702.5000	XLON	84403844000020502-E0Xie8le7koQ20171123
J.P. Morgan Securities plc	23-Nov-2017 09:33:40	713	702.5000	XLON	84203842000020725-E0Xie8le7lcY20171123
J.P. Morgan Securities plc	23-Nov-2017 09:33:58	669	702.5000	XLON	84203842000020767-E0Xie8le7lpz20171123
J.P. Morgan Securities plc	23-Nov-2017 09:33:58	44	702.5000	XLON	84203842000020767-E0Xie8le7lq120171123
J.P. Morgan Securities plc	23-Nov-2017 09:37:00	713	702.0000	XLON	84203842000021036-E0Xie8le7oH920171123
J.P. Morgan Securities plc	23-Nov-2017 09:37:19	544	702.0000	XLON	84203842000021217-E0Xie8le7oWW20171123
J.P. Morgan Securities plc	23-Nov-2017 09:37:19	169	702.0000	XLON	84203842000021217-E0Xie8le7oWU20171123
J.P. Morgan Securities plc	23-Nov-2017 09:38:39	750	702.0000	XLON	84403844000021367-E0Xie8le7pXi20171123
J.P. Morgan Securities plc	23-Nov-2017 09:38:39	168	702.0000	XLON	84403844000021367-E0Xie8le7pXk20171123

J.P. Morgan Securities plc	23-Nov-2017 09:41:06	772	702.0000	XLON	84203842000021899-E0Xie8le7r3T20171123
J.P. Morgan Securities plc	23-Nov-2017 09:49:19	260	703.0000	XLON	84203842000023637-E0Xie8le7xKh20171123
J.P. Morgan Securities plc	23-Nov-2017 09:49:19	750	703.0000	XLON	84203842000023637-E0Xie8le7xKf20171123
J.P. Morgan Securities plc	23-Nov-2017 09:49:19	800	703.0000	XLON	84203842000023637-E0Xie8le7xKd20171123
J.P. Morgan Securities plc	23-Nov-2017 09:49:59	146	703.0000	XLON	84203842000023743-E0Xie8le7xwH20171123
J.P. Morgan Securities plc	23-Nov-2017 09:49:59	173	703.0000	XLON	84203842000023743-E0Xie8le7xwF20171123
J.P. Morgan Securities plc	23-Nov-2017 09:49:59	108	703.0000	XLON	84203842000023743-E0Xie8le7xwL20171123
J.P. Morgan Securities plc	23-Nov-2017 09:49:59	750	703.0000	XLON	84203842000023743-E0Xie8le7xwJ20171123
J.P. Morgan Securities plc	23-Nov-2017 10:03:56	108	703.5000	XLON	84403844000025699-E0Xie8le87b020171123
J.P. Morgan Securities plc	23-Nov-2017 10:03:56	260	703.5000	XLON	84403844000025699-E0Xie8le87b220171123
J.P. Morgan Securities plc	23-Nov-2017 10:03:56	750	703.5000	XLON	84403844000025699-E0Xie8le87au20171123
J.P. Morgan Securities plc	23-Nov-2017 10:03:56	750	703.5000	XLON	84403844000025699-E0Xie8le87aw20171123
J.P. Morgan Securities plc	23-Nov-2017 10:03:56	441	703.5000	XLON	84403844000025699-E0Xie8le87ay20171123
J.P. Morgan Securities plc	23-Nov-2017 10:05:19	100	703.5000	XLON	84403844000025867-E0Xie8le88jR20171123
J.P. Morgan Securities plc	23-Nov-2017 10:05:19	145	703.5000	XLON	84403844000025867-E0Xie8le88jT20171123
J.P. Morgan Securities plc	23-Nov-2017 10:10:40	255	703.0000	XLON	84403844000026606-E0Xie8le8Bmo20171123
J.P. Morgan Securities plc	23-Nov-2017 10:10:40	750	703.0000	XLON	84403844000026606-E0Xie8le8Bmm20171123
J.P. Morgan Securities plc	23-Nov-2017 10:10:40	163	703.0000	XLON	84203842000026817-E0Xie8le8Bn320171123
J.P. Morgan Securities plc	23-Nov-2017 10:10:40	108	703.0000	XLON	84203842000026817-E0Xie8le8Bn120171123
J.P. Morgan Securities plc	23-Nov-2017 10:28:26	917	703.5000	XLON	84403844000029043-E0Xie8le8Mfy20171123
J.P. Morgan Securities plc	23-Nov-2017 10:28:26	1559	703.5000	XLON	84403844000028389-E0Xie8le8Mfu20171123
J.P. Morgan Securities plc	23-Nov-2017 10:28:27	2689	703.0000	XLON	84403844000029163-E0Xie8le8MIR20171123
J.P. Morgan Securities plc	23-Nov-2017 10:28:27	750	703.0000	XLON	84403844000029163-E0Xie8le8MIV20171123
J.P. Morgan Securities plc	23-Nov-2017 10:33:56	1231	703.5000	XLON	84403844000029892-E0Xie8le8QTX20171123
J.P. Morgan Securities plc	23-Nov-2017 10:33:56	600	703.5000	XLON	84403844000030069-E0Xie8le8QU620171123
J.P. Morgan Securities plc	23-Nov-2017 10:33:56	1042	703.5000	XLON	84203842000030242-E0Xie8le8QTT20171123
J.P. Morgan Securities plc	23-Nov-2017 10:35:06	713	703.5000	XLON	84203842000030305-E0Xie8le8R1p20171123

J.P. Morgan Securities plc	23-Nov-2017 10:39:56	784	703.5000	XLON	84403844000030714-E0Xie8le8TrB20171123
J.P. Morgan Securities plc	23-Nov-2017 10:40:33	114	703.5000	XLON	84403844000030816-E0Xie8le8Ulw20171123
J.P. Morgan Securities plc	23-Nov-2017 10:40:33	634	703.5000	XLON	84403844000030816-E0Xie8le8Uly20171123
J.P. Morgan Securities plc	23-Nov-2017 10:40:33	700	703.5000	XLON	84403844000030816-E0Xie8le8Ulu20171123
J.P. Morgan Securities plc	23-Nov-2017 10:42:37	750	703.5000	XLON	84403844000031138-E0Xie8le8VY720171123
J.P. Morgan Securities plc	23-Nov-2017 10:42:37	272	703.5000	XLON	84403844000031138-E0Xie8le8VY920171123
J.P. Morgan Securities plc	23-Nov-2017 10:42:37	169	703.5000	XLON	84403844000031138-E0Xie8le8VYB20171123
J.P. Morgan Securities plc	23-Nov-2017 10:42:39	477	703.5000	XLON	84203842000031375-E0Xie8le8VYd20171123
J.P. Morgan Securities plc	23-Nov-2017 10:42:39	379	703.5000	XLON	84203842000031375-E0Xie8le8VYb20171123
J.P. Morgan Securities plc	23-Nov-2017 10:44:19	784	703.5000	XLON	84203842000031528-E0Xie8le8WaC20171123
J.P. Morgan Securities plc	23-Nov-2017 10:44:19	851	703.5000	XLON	84403844000031251-E0Xie8le8WaA20171123
J.P. Morgan Securities plc	23-Nov-2017 10:44:39	756	703.5000	XLON	84203842000031592-E0Xie8le8WI320171123
J.P. Morgan Securities plc	23-Nov-2017 10:46:25	713	703.5000	XLON	84403844000031581-E0Xie8le8YPg20171123
J.P. Morgan Securities plc	23-Nov-2017 10:47:58	154	704.0000	XLON	84403844000031925-E0Xie8le8aJ220171123
J.P. Morgan Securities plc	23-Nov-2017 10:47:58	623	704.0000	XLON	84403844000031925-E0Xie8le8aJ420171123
J.P. Morgan Securities plc	23-Nov-2017 10:49:36	714	704.0000	XLON	84203842000032224-E0Xie8le8bTI20171123
J.P. Morgan Securities plc	23-Nov-2017 10:50:01	713	704.0000	XLON	84203842000032390-E0Xie8le8c3D20171123
J.P. Morgan Securities plc	23-Nov-2017 10:52:30	713	704.0000	XLON	84203842000032769-E0Xie8le8dyl20171123
J.P. Morgan Securities plc	23-Nov-2017 10:54:35	747	703.5000	XLON	84403844000032615-E0Xie8le8fld20171123
J.P. Morgan Securities plc	23-Nov-2017 10:54:58	775	703.5000	XLON	84403844000032854-E0Xie8le8g6d20171123
J.P. Morgan Securities plc	23-Nov-2017 11:00:11	714	704.0000	XLON	84203842000034218-E0Xie8le8IT220171123
J.P. Morgan Securities plc	23-Nov-2017 11:00:11	713	704.0000	XLON	84403844000033905-E0Xie8le8IT020171123
J.P. Morgan Securities plc	23-Nov-2017 11:01:18	722	704.0000	XLON	84203842000034498-E0Xie8le8mFX20171123
J.P. Morgan Securities plc	23-Nov-2017 11:01:20	711	704.0000	XLON	84403844000034244-E0Xie8le8mGI20171123
J.P. Morgan Securities plc	23-Nov-2017 11:01:20	33	704.0000	XLON	84403844000034244-E0Xie8le8mGG20171123
J.P. Morgan Securities plc	23-Nov-2017 11:02:06	388	704.0000	XLON	84403844000034361-E0Xie8le8nOr20171123
J.P. Morgan Securities plc	23-Nov-2017 11:02:06	32	704.0000	XLON	84403844000034361-E0Xie8le8nOn20171123

J.P. Morgan Securities plc	23-Nov-2017 11:02:06	336	704.0000	XLON	84403844000034361-E0Xie8le8n0p20171123
J.P. Morgan Securities plc	23-Nov-2017 11:03:19	622	704.0000	XLON	84403844000034546-E0Xie8le8o5k20171123
J.P. Morgan Securities plc	23-Nov-2017 11:03:19	54	704.0000	XLON	84403844000034546-E0Xie8le8o5i20171123
J.P. Morgan Securities plc	23-Nov-2017 11:03:19	108	704.0000	XLON	84403844000034546-E0Xie8le8o5g20171123
J.P. Morgan Securities plc	23-Nov-2017 11:06:44	781	703.5000	XLON	84403844000034892-E0Xie8le8qtv20171123
J.P. Morgan Securities plc	23-Nov-2017 11:07:19	486	703.5000	XLON	84203842000035553-E0Xie8le8rlj20171123
J.P. Morgan Securities plc	23-Nov-2017 11:11:19	500	704.0000	XLON	84203842000036350-E0Xie8le8u7W20171123
J.P. Morgan Securities plc	23-Nov-2017 11:15:59	232	704.5000	XLON	84403844000037046-E0Xie8le8xkm20171123
J.P. Morgan Securities plc	23-Nov-2017 11:15:59	766	704.5000	XLON	84403844000037046-E0Xie8le8xko20171123
J.P. Morgan Securities plc	23-Nov-2017 11:17:18	272	704.5000	XLON	84203842000037682-E0Xie8le8ytn20171123
J.P. Morgan Securities plc	23-Nov-2017 11:17:18	108	704.5000	XLON	84203842000037682-E0Xie8le8ytp20171123
J.P. Morgan Securities plc	23-Nov-2017 11:17:18	479	704.5000	XLON	84203842000037682-E0Xie8le8ytr20171123
J.P. Morgan Securities plc	23-Nov-2017 11:17:59	734	704.5000	XLON	84203842000037820-E0Xie8le8zN020171123
J.P. Morgan Securities plc	23-Nov-2017 11:17:59	50	704.5000	XLON	84203842000037820-E0Xie8le8zN420171123
J.P. Morgan Securities plc	23-Nov-2017 11:17:59	53	704.5000	XLON	84203842000037820-E0Xie8le8zN220171123
J.P. Morgan Securities plc	23-Nov-2017 11:18:39	213	704.5000	XLON	84203842000037957-E0Xie8le900220171123
J.P. Morgan Securities plc	23-Nov-2017 11:18:39	500	704.5000	XLON	84203842000037957-E0Xie8le900020171123
J.P. Morgan Securities plc	23-Nov-2017 11:18:50	784	704.0000	XLON	84403844000037640-E0Xie8le90GI20171123
J.P. Morgan Securities plc	23-Nov-2017 11:19:19	567	704.0000	XLON	84203842000038148-E0Xie8le90t920171123
J.P. Morgan Securities plc	23-Nov-2017 11:19:19	108	704.0000	XLON	84203842000038148-E0Xie8le90tB20171123
J.P. Morgan Securities plc	23-Nov-2017 11:19:19	109	704.0000	XLON	84203842000038148-E0Xie8le90tD20171123
J.P. Morgan Securities plc	23-Nov-2017 11:22:17	887	705.0000	XLON	84203842000038577-E0Xie8le92uh20171123
J.P. Morgan Securities plc	23-Nov-2017 11:22:39	659	705.0000	XLON	84203842000038635-E0Xie8le93DT20171123
J.P. Morgan Securities plc	23-Nov-2017 11:22:39	54	705.0000	XLON	84203842000038635-E0Xie8le93DR20171123
J.P. Morgan Securities plc	23-Nov-2017 11:23:19	605	705.0000	XLON	84403844000038370-E0Xie8le93pt20171123
J.P. Morgan Securities plc	23-Nov-2017 11:23:19	108	705.0000	XLON	84403844000038370-E0Xie8le93pr20171123
J.P. Morgan Securities plc	23-Nov-2017 11:28:17	474	705.5000	XLON	84403844000039144-E0Xie8le97IE20171123

J.P. Morgan Securities plc	23-Nov-2017 11:28:17	270	705.5000	XLON	84403844000039144-E0Xie8le97IG20171123
J.P. Morgan Securities plc	23-Nov-2017 11:28:17	663	705.5000	XLON	84403844000039144-E0Xie8le97II20171123
J.P. Morgan Securities plc	23-Nov-2017 11:28:39	714	705.5000	XLON	84403844000039196-E0Xie8le980j20171123
J.P. Morgan Securities plc	23-Nov-2017 11:29:57	106	705.5000	XLON	84403844000039407-E0Xie8le999O20171123
J.P. Morgan Securities plc	23-Nov-2017 11:29:57	678	705.5000	XLON	84403844000039407-E0Xie8le999Q20171123
J.P. Morgan Securities plc	23-Nov-2017 11:29:59	713	705.5000	XLON	84203842000039778-E0Xie8le99AL20171123
J.P. Morgan Securities plc	23-Nov-2017 11:31:18	210	705.5000	XLON	84203842000040121-E0Xie8le9Aa20171123
J.P. Morgan Securities plc	23-Nov-2017 11:31:19	189	706.0000	XLON	84203842000040125-E0Xie8le9AJI20171123
J.P. Morgan Securities plc	23-Nov-2017 11:31:19	738	706.0000	XLON	84203842000040125-E0Xie8le9AJj20171123
J.P. Morgan Securities plc	23-Nov-2017 11:32:16	512	706.0000	XLON	84403844000039989-E0Xie8le9Ayt20171123
J.P. Morgan Securities plc	23-Nov-2017 11:32:16	213	706.0000	XLON	84403844000039989-E0Xie8le9Ayv20171123
J.P. Morgan Securities plc	23-Nov-2017 11:32:39	453	706.0000	XLON	84203842000040465-E0Xie8le9BE720171123
J.P. Morgan Securities plc	23-Nov-2017 11:32:39	260	706.0000	XLON	84203842000040465-E0Xie8le9BE520171123
J.P. Morgan Securities plc	23-Nov-2017 11:36:39	436	706.0000	XLON	84203842000041163-E0Xie8le9EVs20171123
J.P. Morgan Securities plc	23-Nov-2017 11:36:39	277	706.0000	XLON	84203842000041163-E0Xie8le9EVq20171123
J.P. Morgan Securities plc	23-Nov-2017 11:40:38	62	705.5000	XLON	84403844000041416-E0Xie8le9HPY20171123
J.P. Morgan Securities plc	23-Nov-2017 11:40:38	352	705.5000	XLON	84203842000041803-E0Xie8le9HPT20171123
J.P. Morgan Securities plc	23-Nov-2017 11:40:38	432	705.5000	XLON	84203842000041803-E0Xie8le9HPR20171123
J.P. Morgan Securities plc	23-Nov-2017 11:40:38	619	705.5000	XLON	84403844000041416-E0Xie8le9HPa20171123
J.P. Morgan Securities plc	23-Nov-2017 11:40:38	103	705.5000	XLON	84403844000041416-E0Xie8le9HPW20171123
J.P. Morgan Securities plc	23-Nov-2017 11:40:40	714	705.5000	XLON	84403844000041424-E0Xie8le9HRa20171123
J.P. Morgan Securities plc	23-Nov-2017 11:43:37	791	705.0000	XLON	84203842000042299-E0Xie8le9L5f20171123
J.P. Morgan Securities plc	23-Nov-2017 11:48:37	114	706.0000	XLON	84203842000043531-E0Xie8le9PxB20171123
J.P. Morgan Securities plc	23-Nov-2017 11:48:37	345	706.0000	XLON	84203842000043531-E0Xie8le9PxD20171123
J.P. Morgan Securities plc	23-Nov-2017 11:48:37	174	706.0000	XLON	84203842000043531-E0Xie8le9Px920171123
J.P. Morgan Securities plc	23-Nov-2017 11:48:37	368	706.0000	XLON	84403844000043176-E0Xie8le9PyB20171123
J.P. Morgan Securities plc	23-Nov-2017 11:48:37	81	706.0000	XLON	84203842000043531-E0Xie8le9PxF20171123

J.P. Morgan Securities plc	23-Nov-2017 11:48:37	345	706.0000	XLON	84403844000043176-E0Xie8le9Py920171123
J.P. Morgan Securities plc	23-Nov-2017 11:48:39	41	706.0000	XLON	84403844000043191-E0Xie8le9Q2Z20171123
J.P. Morgan Securities plc	23-Nov-2017 11:48:42	750	705.5000	XLON	84403844000043198-E0Xie8le9Q5S20171123
J.P. Morgan Securities plc	23-Nov-2017 11:48:42	124	705.5000	XLON	84403844000043198-E0Xie8le9Q5U20171123
J.P. Morgan Securities plc	23-Nov-2017 11:49:57	371	705.0000	XLON	84403844000043379-E0Xie8le9RBU20171123
J.P. Morgan Securities plc	23-Nov-2017 11:49:57	132	705.0000	XLON	84403844000043379-E0Xie8le9RBS20171123
J.P. Morgan Securities plc	23-Nov-2017 11:49:57	159	705.0000	XLON	84403844000043379-E0Xie8le9RBQ20171123
J.P. Morgan Securities plc	23-Nov-2017 11:49:57	105	705.0000	XLON	84403844000043379-E0Xie8le9RBO20171123
J.P. Morgan Securities plc	23-Nov-2017 11:49:57	291	705.0000	XLON	84403844000043379-E0Xie8le9RBW20171123
J.P. Morgan Securities plc	23-Nov-2017 11:49:59	139	705.0000	XLON	84403844000043385-E0Xie8le9RDP20171123
J.P. Morgan Securities plc	23-Nov-2017 11:49:59	646	705.0000	XLON	84403844000043385-E0Xie8le9RDR20171123
J.P. Morgan Securities plc	23-Nov-2017 11:51:58	750	705.0000	XLON	84203842000044026-E0Xie8le9SoV20171123
J.P. Morgan Securities plc	23-Nov-2017 11:51:58	106	705.0000	XLON	84203842000044026-E0Xie8le9SoX20171123
J.P. Morgan Securities plc	23-Nov-2017 11:51:59	778	705.0000	XLON	84403844000043689-E0Xie8le9Sp820171123
J.P. Morgan Securities plc	23-Nov-2017 11:51:59	149	705.0000	XLON	84403844000043689-E0Xie8le9Sp620171123
J.P. Morgan Securities plc	23-Nov-2017 11:51:59	523	704.5000	XLON	84203842000043630-E0Xie8le9Spj20171123
J.P. Morgan Securities plc	23-Nov-2017 11:51:59	824	704.5000	XLON	84203842000043630-E0Xie8le9Spf20171123
J.P. Morgan Securities plc	23-Nov-2017 11:57:48	785	703.5000	XLON	84403844000044467-E0Xie8le9XPL20171123
J.P. Morgan Securities plc	23-Nov-2017 11:58:57	757	703.0000	XLON	84403844000044181-E0Xie8le9Y7L20171123
J.P. Morgan Securities plc	23-Nov-2017 11:59:13	803	702.5000	XLON	84403844000044666-E0Xie8le9YMJ20171123
J.P. Morgan Securities plc	23-Nov-2017 12:05:31	389	703.0000	XLON	84203842000046399-E0Xie8le9eyo20171123
J.P. Morgan Securities plc	23-Nov-2017 12:05:40	324	703.0000	XLON	84203842000046399-E0Xie8le9f5b20171123
J.P. Morgan Securities plc	23-Nov-2017 12:06:59	856	702.5000	XLON	84203842000046610-E0Xie8le9fp120171123
J.P. Morgan Securities plc	23-Nov-2017 12:20:24	750	703.5000	XLON	84403844000048412-E0Xie8le9ogW20171123
J.P. Morgan Securities plc	23-Nov-2017 12:20:25	750	703.5000	XLON	84203842000048666-E0Xie8le9ohb20171123
J.P. Morgan Securities plc	23-Nov-2017 12:22:14	880	703.5000	XLON	84203842000048704-E0Xie8le9paV20171123
J.P. Morgan Securities plc	23-Nov-2017 12:22:14	326	703.5000	XLON	84403844000048520-E0Xie8le9pal20171123



J.P. Morgan Securities plc	23-Nov-2017 12:22:14	675	703.5000	XLON	84203842000048704-E0Xie8le9paY20171123
J.P. Morgan Securities plc	23-Nov-2017 12:22:14	389	703.5000	XLON	84403844000048520-E0Xie8le9pag20171123
J.P. Morgan Securities plc	23-Nov-2017 12:23:45	455	703.0000	XLON	84403844000048903-E0Xie8le9qTI20171123
J.P. Morgan Securities plc	23-Nov-2017 12:32:01	1550	705.0000	XLON	84203842000050556-E0Xie8le9vCn20171123
J.P. Morgan Securities plc	23-Nov-2017 12:32:01	217	705.0000	XLON	84203842000050557-E0Xie8le9vDO20171123
J.P. Morgan Securities plc	23-Nov-2017 12:32:01	713	705.0000	XLON	84203842000050558-E0Xie8le9vDg20171123
J.P. Morgan Securities plc	23-Nov-2017 12:32:01	713	705.0000	XLON	84403844000050349-E0Xie8le9vDW20171123
J.P. Morgan Securities plc	23-Nov-2017 12:32:01	390	705.0000	XLON	84403844000050348-E0Xie8le9vCv20171123
J.P. Morgan Securities plc	23-Nov-2017 12:32:01	503	705.0000	XLON	84203842000050557-E0Xie8le9vDH20171123
J.P. Morgan Securities plc	23-Nov-2017 12:32:01	469	705.0000	XLON	84403844000050348-E0Xie8le9vD220171123
J.P. Morgan Securities plc	23-Nov-2017 12:33:20	783	704.5000	XLON	84403844000050587-E0Xie8le9vsK20171123
J.P. Morgan Securities plc	23-Nov-2017 12:33:21	57	704.5000	XLON	84403844000050593-E0Xie8le9vtF20171123
J.P. Morgan Securities plc	23-Nov-2017 12:43:31	713	704.5000	XLON	84203842000051390-E0Xie8leA0e520171123
J.P. Morgan Securities plc	23-Nov-2017 12:58:39	722	705.0000	XLON	84403844000054516-E0Xie8leA7TO20171123
J.P. Morgan Securities plc	23-Nov-2017 12:59:19	316	705.0000	XLON	84203842000054873-E0Xie8leA7oE20171123
J.P. Morgan Securities plc	23-Nov-2017 13:01:55	114	705.0000	XLON	84203842000055304-E0Xie8leA95g20171123
J.P. Morgan Securities plc	23-Nov-2017 13:13:30	713	705.0000	XLON	84203842000055599-E0Xie8leAEyM20171123
J.P. Morgan Securities plc	23-Nov-2017 13:32:53	171	705.5000	XLON	84403844000059749-E0Xie8leAR1m20171123
J.P. Morgan Securities plc	23-Nov-2017 13:32:53	816	705.5000	XLON	84403844000059749-E0Xie8leAR1j20171123
J.P. Morgan Securities plc	23-Nov-2017 13:32:53	4537	705.5000	XLON	84403844000059749-E0Xie8leAR1o20171123
J.P. Morgan Securities plc	23-Nov-2017 13:32:53	650	705.5000	XLON	84203842000060201-E0Xie8leAR5220171123
J.P. Morgan Securities plc	23-Nov-2017 13:32:53	300	705.5000	XLON	84203842000060201-E0Xie8leAR5820171123
J.P. Morgan Securities plc	23-Nov-2017 13:32:53	700	705.5000	XLON	84203842000060201-E0Xie8leAR5020171123
J.P. Morgan Securities plc	23-Nov-2017 13:32:53	750	705.5000	XLON	84203842000060201-E0Xie8leAR5420171123
J.P. Morgan Securities plc	23-Nov-2017 13:32:53	260	705.5000	XLON	84203842000060201-E0Xie8leAR5620171123
J.P. Morgan Securities plc	23-Nov-2017 13:35:13	497	705.5000	XLON	84203842000060466-E0Xie8leASMi20171123
J.P. Morgan Securities plc	23-Nov-2017 13:35:13	216	705.5000	XLON	84203842000060466-E0Xie8leASMg20171123

J.P. Morgan Securities plc	23-Nov-2017 13:41:24	856	705.0000	XLON	84403844000060786-E0Xie8leAVYd20171123
J.P. Morgan Securities plc	23-Nov-2017 13:59:03	1207	706.5000	XLON	84203842000063864-E0Xie8leAgnQ20171123
J.P. Morgan Securities plc	23-Nov-2017 13:59:03	2355	706.5000	XLON	84403844000063417-E0Xie8leAgnO20171123
J.P. Morgan Securities plc	23-Nov-2017 13:59:03	2163	706.5000	XLON	84403844000063466-E0Xie8leAgnU20171123
J.P. Morgan Securities plc	23-Nov-2017 13:59:03	850	706.5000	XLON	84203842000063944-E0Xie8leAgpF20171123
J.P. Morgan Securities plc	23-Nov-2017 13:59:03	277	706.5000	XLON	84203842000063944-E0Xie8leAgpJ20171123
J.P. Morgan Securities plc	23-Nov-2017 13:59:03	750	706.5000	XLON	84203842000063944-E0Xie8leAgpP20171123
J.P. Morgan Securities plc	23-Nov-2017 13:59:03	897	706.5000	XLON	84203842000063944-E0Xie8leAgpL20171123
J.P. Morgan Securities plc	23-Nov-2017 13:59:03	318	706.5000	XLON	84203842000063944-E0Xie8leAgpH20171123
J.P. Morgan Securities plc	23-Nov-2017 13:59:03	650	706.5000	XLON	84203842000063944-E0Xie8leAgpN20171123
J.P. Morgan Securities plc	23-Nov-2017 13:59:04	950	706.5000	XLON	84403844000063558-E0Xie8leAgpy20171123
J.P. Morgan Securities plc	23-Nov-2017 13:59:04	750	706.5000	XLON	84403844000063558-E0Xie8leAgpw20171123
J.P. Morgan Securities plc	23-Nov-2017 13:59:04	340	706.5000	XLON	84403844000063558-E0Xie8leAgq020171123
J.P. Morgan Securities plc	23-Nov-2017 13:59:08	103	706.5000	XLON	84203842000063967-E0Xie8leAgtB20171123
J.P. Morgan Securities plc	23-Nov-2017 14:05:46	713	707.0000	XLON	84403844000064848-E0Xie8leAkn320171123
J.P. Morgan Securities plc	23-Nov-2017 14:18:58	784	706.5000	XLON	84203842000067645-E0Xie8leArxm20171123
J.P. Morgan Securities plc	23-Nov-2017 14:19:19	216	706.5000	XLON	84403844000067324-E0Xie8leAs9E20171123
J.P. Morgan Securities plc	23-Nov-2017 14:19:19	441	706.5000	XLON	84403844000067324-E0Xie8leAs9G20171123
J.P. Morgan Securities plc	23-Nov-2017 14:19:19	68	706.5000	XLON	84403844000067324-E0Xie8leAs9K20171123
J.P. Morgan Securities plc	23-Nov-2017 14:19:19	59	706.5000	XLON	84403844000067324-E0Xie8leAs9I20171123
J.P. Morgan Securities plc	23-Nov-2017 14:20:00	33	706.5000	XLON	84403844000067439-E0Xie8leAsKi20171123
J.P. Morgan Securities plc	23-Nov-2017 14:20:00	332	706.5000	XLON	84403844000067439-E0Xie8leAsKm20171123
J.P. Morgan Securities plc	23-Nov-2017 14:20:00	296	706.5000	XLON	84403844000067439-E0Xie8leAsKg20171123
J.P. Morgan Securities plc	23-Nov-2017 14:20:00	266	706.5000	XLON	84403844000067439-E0Xie8leAsKk20171123
J.P. Morgan Securities plc	23-Nov-2017 14:28:11	463	705.5000	XLON	84203842000069478-E0Xie8leAwYB20171123
J.P. Morgan Securities plc	23-Nov-2017 14:28:11	464	705.5000	XLON	84203842000069478-E0Xie8leAwY920171123
J.P. Morgan Securities plc	23-Nov-2017 14:28:13	750	705.5000	XLON	84203842000069488-E0Xie8leAwZV20171123

J.P. Morgan Securities plc	23-Nov-2017 14:28:13	194	705.5000	XLON	84203842000069488-E0Xie8leAwZR20171123
J.P. Morgan Securities plc	23-Nov-2017 14:28:13	93	705.5000	XLON	84203842000069488-E0Xie8leAwZX20171123
J.P. Morgan Securities plc	23-Nov-2017 14:28:13	216	705.5000	XLON	84203842000069488-E0Xie8leAwZT20171123
J.P. Morgan Securities plc	23-Nov-2017 14:28:49	1604	706.0000	XLON	84403844000069217-E0Xie8leAwso20171123
J.P. Morgan Securities plc	23-Nov-2017 14:28:49	3800	706.0000	XLON	84403844000069217-E0Xie8leAwsu20171123
J.P. Morgan Securities plc	23-Nov-2017 14:28:49	321	706.0000	XLON	84403844000069217-E0Xie8leAwsq20171123
J.P. Morgan Securities plc	23-Nov-2017 14:30:03	200	706.0000	XLON	84403844000069291-E0Xie8leAxb220171123
J.P. Morgan Securities plc	23-Nov-2017 14:33:37	1806	706.0000	XLON	84403844000070443-E0Xie8leB0CX20171123
J.P. Morgan Securities plc	23-Nov-2017 14:33:37	700	706.0000	XLON	84403844000070443-E0Xie8leB0CV20171123
J.P. Morgan Securities plc	23-Nov-2017 14:34:38	650	706.0000	XLON	84403844000070807-E0Xie8leB0Yy20171123
J.P. Morgan Securities plc	23-Nov-2017 14:34:38	63	706.0000	XLON	84403844000070807-E0Xie8leB0Z020171123
J.P. Morgan Securities plc	23-Nov-2017 14:40:09	58	706.5000	XLON	84203842000072462-E0Xie8leB49s20171123
J.P. Morgan Securities plc	23-Nov-2017 14:40:09	1329	706.5000	XLON	84203842000072462-E0Xie8leB49o20171123
J.P. Morgan Securities plc	23-Nov-2017 14:40:09	750	706.5000	XLON	84203842000072462-E0Xie8leB49q20171123
J.P. Morgan Securities plc	23-Nov-2017 14:40:09	214	706.5000	XLON	84203842000072462-E0Xie8leB49m20171123
J.P. Morgan Securities plc	23-Nov-2017 14:40:10	1109	706.5000	XLON	84203842000072462-E0Xie8leB49u20171123
J.P. Morgan Securities plc	23-Nov-2017 14:51:34	821	706.0000	XLON	84403844000072381-E0Xie8leBBFP20171123
J.P. Morgan Securities plc	23-Nov-2017 14:51:34	125	706.0000	XLON	84403844000072381-E0Xie8leBBFN20171123
J.P. Morgan Securities plc	23-Nov-2017 14:51:34	740	706.0000	XLON	84403844000074683-E0Xie8leBBFc20171123
J.P. Morgan Securities plc	23-Nov-2017 14:51:34	452	706.0000	XLON	84403844000072381-E0Xie8leBBFU20171123
J.P. Morgan Securities plc	23-Nov-2017 14:51:36	504	706.0000	XLON	84403844000074729-E0Xie8leBBGT20171123
J.P. Morgan Securities plc	23-Nov-2017 14:51:36	740	706.0000	XLON	84203842000075035-E0Xie8leBBGk20171123
J.P. Morgan Securities plc	23-Nov-2017 14:51:36	343	706.0000	XLON	84403844000074729-E0Xie8leBBGV20171123
J.P. Morgan Securities plc	23-Nov-2017 14:51:37	844	706.0000	XLON	84403844000074735-E0Xie8leBBHV20171123
J.P. Morgan Securities plc	23-Nov-2017 14:52:36	82	706.0000	XLON	84203842000075241-E0Xie8leBBqx20171123
J.P. Morgan Securities plc	23-Nov-2017 14:52:36	631	706.0000	XLON	84203842000075241-E0Xie8leBBqv20171123
J.P. Morgan Securities plc	23-Nov-2017 14:52:38	16	706.0000	XLON	84403844000074936-E0Xie8leBBst20171123

J.P. Morgan Securities plc	23-Nov-2017 14:52:38	266	706.0000	XLON	84403844000074936-E0Xie8leBBsx20171123
J.P. Morgan Securities plc	23-Nov-2017 14:52:38	242	706.0000	XLON	84403844000074936-E0Xie8leBBsz20171123
J.P. Morgan Securities plc	23-Nov-2017 14:52:38	189	706.0000	XLON	84403844000074936-E0Xie8leBBsv20171123
J.P. Morgan Securities plc	23-Nov-2017 14:53:18	176	706.0000	XLON	84203842000075337-E0Xie8leBCGE20171123
J.P. Morgan Securities plc	23-Nov-2017 14:53:18	90	706.0000	XLON	84203842000075337-E0Xie8leBCGG20171123
J.P. Morgan Securities plc	23-Nov-2017 14:53:19	377	706.0000	XLON	84203842000075337-E0Xie8leBCGI20171123
J.P. Morgan Securities plc	23-Nov-2017 14:53:19	101	706.0000	XLON	84203842000075337-E0Xie8leBCGK20171123
J.P. Morgan Securities plc	23-Nov-2017 15:03:55	600	705.5000	XLON	84203842000077687-E0Xie8leBKti20171123
J.P. Morgan Securities plc	23-Nov-2017 15:03:55	113	705.5000	XLON	84203842000077687-E0Xie8leBKtk20171123
J.P. Morgan Securities plc	23-Nov-2017 15:03:59	1	705.5000	XLON	84403844000077360-E0Xie8leBKxd20171123
J.P. Morgan Securities plc	23-Nov-2017 15:03:59	80	705.5000	XLON	84403844000077360-E0Xie8leBKxh20171123
J.P. Morgan Securities plc	23-Nov-2017 15:03:59	632	705.5000	XLON	84403844000077360-E0Xie8leBKxf20171123
J.P. Morgan Securities plc	23-Nov-2017 15:14:09	714	705.0000	XLON	84203842000079719-E0Xie8leBQaZ20171123
J.P. Morgan Securities plc	23-Nov-2017 15:16:11	74	704.5000	XLON	84403844000079602-E0Xie8leBR120171123
J.P. Morgan Securities plc	23-Nov-2017 15:16:13	639	704.5000	XLON	84403844000079602-E0Xie8leBRlo20171123
J.P. Morgan Securities plc	23-Nov-2017 15:16:13	1056	704.5000	XLON	84203842000080263-E0Xie8leBRlq20171123
J.P. Morgan Securities plc	23-Nov-2017 15:16:17	382	704.5000	XLON	84203842000080342-E0Xie8leBRnS20171123
J.P. Morgan Securities plc	23-Nov-2017 15:16:20	517	704.5000	XLON	84203842000080342-E0Xie8leBRoj20171123
J.P. Morgan Securities plc	23-Nov-2017 15:19:42	998	704.5000	XLON	84403844000080046-E0Xie8leBUVU20171123
J.P. Morgan Securities plc	23-Nov-2017 15:20:09	677	704.5000	XLON	84403844000080554-E0Xie8leBUq820171123
J.P. Morgan Securities plc	23-Nov-2017 15:20:12	267	704.5000	XLON	84403844000080554-E0Xie8leBUu920171123
J.P. Morgan Securities plc	23-Nov-2017 15:32:37	81	705.5000	XLON	84403844000082882-E0Xie8leBerz20171123
J.P. Morgan Securities plc	23-Nov-2017 15:33:44	188	706.0000	XLON	84203842000083681-E0Xie8leBfYT20171123
J.P. Morgan Securities plc	23-Nov-2017 15:33:44	839	706.0000	XLON	84203842000083681-E0Xie8leBfYP20171123
J.P. Morgan Securities plc	23-Nov-2017 15:33:44	228	706.0000	XLON	84203842000083681-E0Xie8leBfYV20171123
J.P. Morgan Securities plc	23-Nov-2017 15:33:44	486	706.0000	XLON	84203842000083681-E0Xie8leBfYH20171123
J.P. Morgan Securities plc	23-Nov-2017 15:33:44	669	706.0000	XLON	84203842000083681-E0Xie8leBfYJ20171123

J.P. Morgan Securities plc	23-Nov-2017 15:33:44	435	706.0000	XLON	84203842000083681-E0Xie8leBfYF20171123
J.P. Morgan Securities plc	23-Nov-2017 15:33:44	534	706.0000	XLON	84203842000083681-E0Xie8leBfYZ20171123
J.P. Morgan Securities plc	23-Nov-2017 15:33:44	114	706.0000	XLON	84203842000083681-E0Xie8leBfYN20171123
J.P. Morgan Securities plc	23-Nov-2017 15:33:44	966	706.0000	XLON	84203842000083681-E0Xie8leBfYD20171123
J.P. Morgan Securities plc	23-Nov-2017 15:33:45	669	706.0000	XLON	84203842000083681-E0Xie8leBfYL20171123
J.P. Morgan Securities plc	23-Nov-2017 15:33:45	634	706.0000	XLON	84203842000083681-E0Xie8leBfYR20171123
J.P. Morgan Securities plc	23-Nov-2017 15:33:45	196	706.0000	XLON	84203842000083681-E0Xie8leBfYX20171123
J.P. Morgan Securities plc	23-Nov-2017 15:33:59	713	706.0000	XLON	84203842000083733-E0Xie8leBfgb20171123
J.P. Morgan Securities plc	23-Nov-2017 15:42:10	385	705.0000	XLON	84403844000084979-E0Xie8leBrlr20171123
J.P. Morgan Securities plc	23-Nov-2017 15:42:21	607	705.0000	XLON	84403844000084979-E0Xie8leBlxX20171123
J.P. Morgan Securities plc	23-Nov-2017 15:42:32	550	705.0000	XLON	84203842000085673-E0Xie8leBmAQ20171123
J.P. Morgan Securities plc	23-Nov-2017 15:42:32	78	705.0000	XLON	84403844000084979-E0Xie8leBmAQ20171123
J.P. Morgan Securities plc	23-Nov-2017 15:42:32	67	705.0000	XLON	84203842000085673-E0Xie8leBmAY20171123
J.P. Morgan Securities plc	23-Nov-2017 15:42:32	126	705.0000	XLON	84203842000085673-E0Xie8leBmAT20171123
J.P. Morgan Securities plc	23-Nov-2017 15:42:32	256	705.0000	XLON	84403844000085452-E0Xie8leBmBY20171123
J.P. Morgan Securities plc	23-Nov-2017 15:42:32	600	705.0000	XLON	84403844000085452-E0Xie8leBmBW20171123
J.P. Morgan Securities plc	23-Nov-2017 15:43:58	1033	706.0000	XLON	84403844000085839-E0Xie8leBniY20171123
J.P. Morgan Securities plc	23-Nov-2017 15:43:58	420	706.0000	XLON	84403844000085839-E0Xie8leBniW20171123
J.P. Morgan Securities plc	23-Nov-2017 15:43:58	1770	706.0000	XLON	84203842000086206-E0Xie8leBniU20171123
J.P. Morgan Securities plc	23-Nov-2017 15:43:58	3774	706.0000	XLON	84203842000086206-E0Xie8leBniP20171123
J.P. Morgan Securities plc	23-Nov-2017 15:43:58	262	706.0000	XLON	84203842000086244-E0Xie8leBnjH20171123
J.P. Morgan Securities plc	23-Nov-2017 15:43:58	956	706.0000	XLON	84203842000086206-E0Xie8leBniR20171123
J.P. Morgan Securities plc	23-Nov-2017 15:43:58	750	706.0000	XLON	84203842000086244-E0Xie8leBnjD20171123
J.P. Morgan Securities plc	23-Nov-2017 15:43:58	828	706.0000	XLON	84203842000086244-E0Xie8leBnjF20171123
J.P. Morgan Securities plc	23-Nov-2017 15:44:04	2595	705.5000	XLON	84403844000085856-E0Xie8leBnnX20171123
J.P. Morgan Securities plc	23-Nov-2017 15:44:04	1007	705.5000	XLON	84403844000085856-E0Xie8leBnnT20171123
J.P. Morgan Securities plc	23-Nov-2017 15:45:30	1682	706.5000	XLON	84203842000086619-E0Xie8leBpHw20171123

J.P. Morgan Securities plc	23-Nov-2017 15:45:30	777	706.5000	XLON	84203842000086619-E0Xie8leBpHy20171123
J.P. Morgan Securities plc	23-Nov-2017 15:45:30	32	706.5000	XLON	84203842000086619-E0Xie8leBpHo20171123
J.P. Morgan Securities plc	23-Nov-2017 15:45:30	669	706.5000	XLON	84203842000086619-E0Xie8leBpHq20171123
J.P. Morgan Securities plc	23-Nov-2017 15:45:30	213	706.5000	XLON	84203842000086619-E0Xie8leBpHs20171123
J.P. Morgan Securities plc	23-Nov-2017 15:45:31	2053	706.5000	XLON	84203842000086619-E0Xie8leBpHu20171123
J.P. Morgan Securities plc	23-Nov-2017 15:47:49	800	706.0000	XLON	84203842000087135-E0Xie8leBrEQ20171123
J.P. Morgan Securities plc	23-Nov-2017 15:47:49	750	706.0000	XLON	84203842000087135-E0Xie8leBrEU20171123
J.P. Morgan Securities plc	23-Nov-2017 15:47:49	472	706.0000	XLON	84203842000087135-E0Xie8leBrEW20171123
J.P. Morgan Securities plc	23-Nov-2017 15:47:49	900	706.0000	XLON	84203842000087135-E0Xie8leBrES20171123
J.P. Morgan Securities plc	23-Nov-2017 15:47:49	209	706.0000	XLON	84203842000087135-E0Xie8leBrEY20171123
J.P. Morgan Securities plc	23-Nov-2017 15:58:02	104	707.5000	XLON	84403844000089775-E0Xie8leBycY20171123
J.P. Morgan Securities plc	23-Nov-2017 15:58:02	386	707.5000	XLON	84403844000089775-E0Xie8leByca20171123
J.P. Morgan Securities plc	23-Nov-2017 15:58:02	669	707.5000	XLON	84403844000089775-E0Xie8leBycc20171123
J.P. Morgan Securities plc	23-Nov-2017 15:58:02	750	707.5000	XLON	84403844000089775-E0Xie8leByco20171123
J.P. Morgan Securities plc	23-Nov-2017 15:58:02	158	707.5000	XLON	84403844000089775-E0Xie8leByce20171123
J.P. Morgan Securities plc	23-Nov-2017 15:58:03	400	707.5000	XLON	84403844000089778-E0Xie8leBye620171123
J.P. Morgan Securities plc	23-Nov-2017 15:58:03	1079	707.5000	XLON	84403844000089778-E0Xie8leBye220171123
J.P. Morgan Securities plc	23-Nov-2017 15:58:03	808	707.5000	XLON	84403844000089778-E0Xie8leBye420171123
J.P. Morgan Securities plc	23-Nov-2017 15:58:03	168	707.5000	XLON	84403844000089775-E0Xie8leByci20171123
J.P. Morgan Securities plc	23-Nov-2017 15:58:03	490	707.5000	XLON	84403844000089775-E0Xie8leBycm20171123
J.P. Morgan Securities plc	23-Nov-2017 15:58:03	55	707.5000	XLON	84403844000089775-E0Xie8leBycg20171123
J.P. Morgan Securities plc	23-Nov-2017 15:58:03	1726	707.5000	XLON	84403844000089775-E0Xie8leByck20171123
J.P. Morgan Securities plc	23-Nov-2017 15:58:03	254	707.5000	XLON	84403844000089775-E0Xie8leBycq20171123
J.P. Morgan Securities plc	23-Nov-2017 15:58:04	326	707.5000	XLON	84403844000089778-E0Xie8leBye820171123
J.P. Morgan Securities plc	23-Nov-2017 15:58:04	697	707.5000	XLON	84403844000089781-E0Xie8leBygg20171123
J.P. Morgan Securities plc	23-Nov-2017 15:58:04	1207	707.5000	XLON	84403844000089781-E0Xie8leBygw20171123
J.P. Morgan Securities plc	23-Nov-2017 15:58:04	1400	707.5000	XLON	84403844000089781-E0Xie8leBygu20171123

J.P. Morgan Securities plc	23-Nov-2017 15:58:04	4600	707.5000	XLON	84403844000089781-E0Xie8leBygs20171123
J.P. Morgan Securities plc	23-Nov-2017 15:58:05	1745	707.5000	XLON	84203842000090282-E0Xie8leByk720171123
J.P. Morgan Securities plc	23-Nov-2017 15:58:05	350	707.5000	XLON	84203842000090282-E0Xie8leByk320171123
J.P. Morgan Securities plc	23-Nov-2017 15:58:05	500	707.5000	XLON	84203842000090282-E0Xie8leByk120171123
J.P. Morgan Securities plc	23-Nov-2017 16:00:32	2182	707.5000	XLON	84403844000089891-E0Xie8leC1Ni20171123
J.P. Morgan Securities plc	23-Nov-2017 16:00:32	600	707.5000	XLON	84203842000091090-E0Xie8leC1Oo20171123
J.P. Morgan Securities plc	23-Nov-2017 16:00:32	750	707.5000	XLON	84203842000091090-E0Xie8leC1Oq20171123
J.P. Morgan Securities plc	23-Nov-2017 16:00:33	2894	707.5000	XLON	84203842000091092-E0Xie8leC1Pi20171123
J.P. Morgan Securities plc	23-Nov-2017 16:00:51	885	707.5000	XLON	84403844000090663-E0Xie8leC1dY20171123
J.P. Morgan Securities plc	23-Nov-2017 16:00:52	1893	707.5000	XLON	84203842000091183-E0Xie8leC1ez20171123
J.P. Morgan Securities plc	23-Nov-2017 16:00:52	885	707.5000	XLON	84203842000091183-E0Xie8leC1ex20171123
J.P. Morgan Securities plc	23-Nov-2017 16:00:53	233	707.5000	XLON	84403844000090670-E0Xie8leC1g720171123
J.P. Morgan Securities plc	23-Nov-2017 16:00:56	1587	707.5000	XLON	84403844000090679-E0Xie8leC1iz20171123
J.P. Morgan Securities plc	23-Nov-2017 16:00:56	20	707.5000	XLON	84203842000091197-E0Xie8leC1j320171123
J.P. Morgan Securities plc	23-Nov-2017 16:01:00	342	707.5000	XLON	84203842000091213-E0Xie8leC1oC20171123
J.P. Morgan Securities plc	23-Nov-2017 16:01:00	668	707.5000	XLON	84203842000091213-E0Xie8leC1o720171123
J.P. Morgan Securities plc	23-Nov-2017 16:01:56	754	707.5000	XLON	84403844000090694-E0Xie8leC2bL20171123
J.P. Morgan Securities plc	23-Nov-2017 16:03:55	985	707.0000	XLON	84203842000091522-E0Xie8leC3IF20171123
J.P. Morgan Securities plc	23-Nov-2017 16:03:58	114	707.0000	XLON	84203842000092057-E0Xie8leC3pu20171123
J.P. Morgan Securities plc	23-Nov-2017 16:03:58	485	707.0000	XLON	84203842000092057-E0Xie8leC3py20171123
J.P. Morgan Securities plc	23-Nov-2017 16:03:58	114	707.0000	XLON	84203842000092057-E0Xie8leC3pw20171123
J.P. Morgan Securities plc	23-Nov-2017 16:05:07	1185	707.5000	XLON	84403844000091896-E0Xie8leC5N120171123
J.P. Morgan Securities plc	23-Nov-2017 16:05:07	100	707.5000	XLON	84403844000091896-E0Xie8leC5Mz20171123
J.P. Morgan Securities plc	23-Nov-2017 16:05:18	802	707.0000	XLON	84203842000092508-E0Xie8leC5ZH20171123
J.P. Morgan Securities plc	23-Nov-2017 16:05:50	77	707.0000	XLON	84403844000092116-E0Xie8leC5tv20171123
J.P. Morgan Securities plc	23-Nov-2017 16:05:50	153	707.0000	XLON	84403844000092116-E0Xie8leC5tr20171123
J.P. Morgan Securities plc	23-Nov-2017 16:05:50	483	707.0000	XLON	84403844000092116-E0Xie8leC5tt20171123

J.P. Morgan Securities plc	23-Nov-2017 16:06:45	114	707.0000	XLON	84203842000092984-E0Xie8leC6hc20171123
J.P. Morgan Securities plc	23-Nov-2017 16:06:45	463	707.0000	XLON	84203842000092984-E0Xie8leC6he20171123
J.P. Morgan Securities plc	23-Nov-2017 16:06:45	229	707.0000	XLON	84203842000092984-E0Xie8leC6ha20171123
J.P. Morgan Securities plc	23-Nov-2017 16:07:08	6450	706.5000	XLON	84203842000093117-E0Xie8leC79S20171123
J.P. Morgan Securities plc	23-Nov-2017 16:07:12	3747	706.5000	XLON	84403844000092583-E0Xie8leC7FG20171123
J.P. Morgan Securities plc	23-Nov-2017 16:08:04	2337	706.5000	XLON	84203842000093390-E0Xie8leC89L20171123
J.P. Morgan Securities plc	23-Nov-2017 16:08:04	2519	706.5000	XLON	84203842000093343-E0Xie8leC89F20171123
J.P. Morgan Securities plc	23-Nov-2017 16:08:43	179	707.0000	XLON	84403844000093088-E0Xie8leC8kN20171123
J.P. Morgan Securities plc	23-Nov-2017 16:08:43	111	707.0000	XLON	84403844000093088-E0Xie8leC8kR20171123
J.P. Morgan Securities plc	23-Nov-2017 16:08:43	67	707.0000	XLON	84403844000093088-E0Xie8leC8kP20171123
J.P. Morgan Securities plc	23-Nov-2017 16:08:43	301	707.0000	XLON	84403844000093088-E0Xie8leC8kV20171123
J.P. Morgan Securities plc	23-Nov-2017 16:08:44	750	707.0000	XLON	84403844000093088-E0Xie8leC8kT20171123
J.P. Morgan Securities plc	23-Nov-2017 16:09:20	610	707.0000	XLON	84203842000093856-E0Xie8leC9Ee20171123
J.P. Morgan Securities plc	23-Nov-2017 16:09:20	805	707.0000	XLON	84203842000093856-E0Xie8leC9Ec20171123
J.P. Morgan Securities plc	23-Nov-2017 16:11:08	609	707.5000	XLON	84203842000094547-E0Xie8leCAVM20171123
J.P. Morgan Securities plc	23-Nov-2017 16:11:08	771	707.5000	XLON	84203842000094547-E0Xie8leCAVI20171123
J.P. Morgan Securities plc	23-Nov-2017 16:11:08	272	707.5000	XLON	84203842000094547-E0Xie8leCAVK20171123
J.P. Morgan Securities plc	23-Nov-2017 16:11:36	141	707.5000	XLON	84203842000094697-E0Xie8leCAqW20171123
J.P. Morgan Securities plc	23-Nov-2017 16:11:36	669	707.5000	XLON	84203842000094697-E0Xie8leCAqa20171123
J.P. Morgan Securities plc	23-Nov-2017 16:11:36	69	707.5000	XLON	84203842000094697-E0Xie8leCAqc20171123
J.P. Morgan Securities plc	23-Nov-2017 16:11:36	669	707.5000	XLON	84203842000094697-E0Xie8leCAqY20171123
J.P. Morgan Securities plc	23-Nov-2017 16:13:49	146	708.0000	XLON	84203842000095607-E0Xie8leCDUV20171123
J.P. Morgan Securities plc	23-Nov-2017 16:13:49	404	708.0000	XLON	84203842000095607-E0Xie8leCDUZ20171123
J.P. Morgan Securities plc	23-Nov-2017 16:13:49	669	708.0000	XLON	84203842000095607-E0Xie8leCDUX20171123
J.P. Morgan Securities plc	23-Nov-2017 16:13:50	456	708.0000	XLON	84203842000095607-E0Xie8leCDUp20171123
J.P. Morgan Securities plc	23-Nov-2017 16:13:50	74	708.0000	XLON	84203842000095607-E0Xie8leCDUd20171123
J.P. Morgan Securities plc	23-Nov-2017 16:13:50	899	708.0000	XLON	84203842000095607-E0Xie8leCDUb20171123



J.P. Morgan Securities plc	23-Nov-2017 16:13:50	456	708.0000	XLON	84203842000095607-E0Xie8leCDUI20171123
J.P. Morgan Securities plc	23-Nov-2017 16:13:50	1	708.0000	XLON	84203842000095607-E0Xie8leCDUv20171123
J.P. Morgan Securities plc	23-Nov-2017 16:13:50	441	708.0000	XLON	84203842000095607-E0Xie8leCDUf20171123
J.P. Morgan Securities plc	23-Nov-2017 16:13:50	476	708.0000	XLON	84203842000095607-E0Xie8leCDUr20171123
J.P. Morgan Securities plc	23-Nov-2017 16:13:50	567	708.0000	XLON	84203842000095607-E0Xie8leCDUn20171123
J.P. Morgan Securities plc	23-Nov-2017 16:13:50	456	708.0000	XLON	84203842000095607-E0Xie8leCDUt20171123
J.P. Morgan Securities plc	23-Nov-2017 16:13:50	700	708.0000	XLON	84203842000095607-E0Xie8leCDUj20171123
J.P. Morgan Securities plc	23-Nov-2017 16:13:50	993	708.0000	XLON	84203842000095607-E0Xie8leCDUh20171123
J.P. Morgan Securities plc	23-Nov-2017 16:13:50	1488	708.0000	XLON	84403844000095088-E0Xie8leCDVh20171123
J.P. Morgan Securities plc	23-Nov-2017 16:14:11	20	708.0000	XLON	84203842000095918-E0Xie8leCDhF20171123
J.P. Morgan Securities plc	23-Nov-2017 16:14:11	73	708.0000	XLON	84203842000095918-E0Xie8leCDhD20171123
J.P. Morgan Securities plc	23-Nov-2017 16:14:11	1248	708.0000	XLON	84403844000095378-E0Xie8leCDj420171123
J.P. Morgan Securities plc	23-Nov-2017 16:14:31	1285	708.0000	XLON	84203842000096061-E0Xie8leCEEO20171123
J.P. Morgan Securities plc	23-Nov-2017 16:14:52	909	708.0000	XLON	84203842000096187-E0Xie8leCEVt20171123
J.P. Morgan Securities plc	23-Nov-2017 16:14:52	375	708.0000	XLON	84203842000096187-E0Xie8leCEVv20171123
J.P. Morgan Securities plc	23-Nov-2017 16:15:12	1422	708.0000	XLON	84203842000096371-E0Xie8leCEmj20171123
J.P. Morgan Securities plc	23-Nov-2017 16:15:33	1207	708.0000	XLON	84403844000095916-E0Xie8leCF6A20171123
J.P. Morgan Securities plc	23-Nov-2017 16:15:51	152	708.5000	XLON	84403844000096071-E0Xie8leCFd920171123
J.P. Morgan Securities plc	23-Nov-2017 16:15:51	375	708.5000	XLON	84403844000096071-E0Xie8leCFdB20171123
J.P. Morgan Securities plc	23-Nov-2017 16:15:51	300	708.5000	XLON	84403844000096071-E0Xie8leCFdF20171123
J.P. Morgan Securities plc	23-Nov-2017 16:15:51	435	708.5000	XLON	84403844000096071-E0Xie8leCFdD20171123
J.P. Morgan Securities plc	23-Nov-2017 16:16:00	375	708.5000	XLON	84203842000096672-E0Xie8leCFkM20171123
J.P. Morgan Securities plc	23-Nov-2017 16:16:00	19	708.5000	XLON	84203842000096672-E0Xie8leCFkK20171123
J.P. Morgan Securities plc	23-Nov-2017 16:16:01	329	708.5000	XLON	84203842000096672-E0Xie8leCFkO20171123
J.P. Morgan Securities plc	23-Nov-2017 16:16:21	1242	708.5000	XLON	84403844000096244-E0Xie8leCG6z20171123
J.P. Morgan Securities plc	23-Nov-2017 16:16:40	1249	708.5000	XLON	84203842000096876-E0Xie8leCGKG20171123
J.P. Morgan Securities plc	23-Nov-2017 16:17:00	689	708.0000	XLON	84403844000096404-E0Xie8leCGpU20171123

J.P. Morgan Securities plc	23-Nov-2017 16:17:04	809	708.0000	XLON	84403844000096423-E0Xie8leCGwf20171123
J.P. Morgan Securities plc	23-Nov-2017 16:17:23	262	708.0000	XLON	84403844000096522-E0Xie8leCHHA20171123
J.P. Morgan Securities plc	23-Nov-2017 16:18:01	793	708.0000	XLON	84203842000097101-E0Xie8leCHk220171123
J.P. Morgan Securities plc	23-Nov-2017 16:18:01	894	708.0000	XLON	84203842000097110-E0Xie8leCHk420171123
J.P. Morgan Securities plc	23-Nov-2017 16:18:02	750	708.0000	XLON	84403844000096635-E0Xie8leCHlx20171123
J.P. Morgan Securities plc	23-Nov-2017 16:18:02	495	708.0000	XLON	84403844000096635-E0Xie8leCHlz20171123
J.P. Morgan Securities plc	23-Nov-2017 16:18:02	867	708.0000	XLON	84403844000096635-E0Xie8leCHlv20171123
J.P. Morgan Securities plc	23-Nov-2017 16:18:24	155	708.0000	XLON	84203842000097297-E0Xie8leCHzA20171123
J.P. Morgan Securities plc	23-Nov-2017 16:18:24	96	708.0000	XLON	84203842000097297-E0Xie8leCHzG20171123
J.P. Morgan Securities plc	23-Nov-2017 16:18:24	800	708.0000	XLON	84203842000097297-E0Xie8leCHzC20171123
J.P. Morgan Securities plc	23-Nov-2017 16:18:24	260	708.0000	XLON	84203842000097297-E0Xie8leCHzE20171123
J.P. Morgan Securities plc	23-Nov-2017 16:18:42	775	708.0000	XLON	84203842000097365-E0Xie8leCICZ20171123
J.P. Morgan Securities plc	23-Nov-2017 16:18:43	167	708.0000	XLON	84203842000097365-E0Xie8leCICb20171123
J.P. Morgan Securities plc	23-Nov-2017 16:18:56	750	708.0000	XLON	84203842000097433-E0Xie8leCIVa20171123
J.P. Morgan Securities plc	23-Nov-2017 16:18:56	498	708.0000	XLON	84203842000097433-E0Xie8leCIVc20171123
J.P. Morgan Securities plc	23-Nov-2017 16:19:16	385	708.0000	XLON	84403844000096969-E0Xie8leClqm20171123
J.P. Morgan Securities plc	23-Nov-2017 16:19:16	705	708.0000	XLON	84403844000096969-E0Xie8leClqo20171123
J.P. Morgan Securities plc	23-Nov-2017 16:19:32	1538	708.0000	XLON	84403844000097058-E0Xie8leCJ8x20171123
J.P. Morgan Securities plc	23-Nov-2017 16:20:01	715	708.0000	XLON	84403844000097216-E0Xie8leCJi520171123
J.P. Morgan Securities plc	23-Nov-2017 16:20:01	1584	708.0000	XLON	84403844000097210-E0Xie8leCJi320171123
J.P. Morgan Securities plc	23-Nov-2017 16:24:33	920	707.5000	XLON	84203842000097828-E0Xie8leCOBS20171123
J.P. Morgan Securities plc	23-Nov-2017 16:24:34	165	707.5000	XLON	84403844000098941-E0Xie8leCOCn20171123
J.P. Morgan Securities plc	23-Nov-2017 16:24:34	270	707.5000	XLON	84403844000098941-E0Xie8leCOCi20171123
J.P. Morgan Securities plc	23-Nov-2017 16:24:34	600	707.5000	XLON	84403844000098941-E0Xie8leCOCh20171123
J.P. Morgan Securities plc	23-Nov-2017 16:24:34	921	707.5000	XLON	84403844000098941-E0Xie8leCOCd20171123
J.P. Morgan Securities plc	23-Nov-2017 16:24:34	441	707.5000	XLON	84403844000098941-E0Xie8leCOCj20171123
J.P. Morgan Securities plc	23-Nov-2017 16:24:34	956	707.5000	XLON	84403844000098941-E0Xie8leCOCf20171123

J.P. Morgan Securities plc	23-Nov-2017 16:25:10	103	707.5000	XLON	84403844000099123-E0Xie8leCOoW20171123
J.P. Morgan Securities plc	23-Nov-2017 16:25:10	6506	707.5000	XLON	84403844000099123-E0Xie8leCOoR20171123
J.P. Morgan Securities plc	23-Nov-2017 16:25:12	2232	707.5000	XLON	84203842000099750-E0Xie8leCOoI20171123
J.P. Morgan Securities plc	23-Nov-2017 16:25:12	1900	707.5000	XLON	84203842000099750-E0Xie8leCOoG20171123
J.P. Morgan Securities plc	23-Nov-2017 16:28:10	575	707.5000	XLON	84403844000099235-E0Xie8leCS8X20171123
J.P. Morgan Securities plc	23-Nov-2017 16:28:10	93	707.5000	XLON	84403844000099235-E0Xie8leCS8a20171123
J.P. Morgan Securities plc	23-Nov-2017 16:29:11	4242	708.0000	XLON	84403844000100762-E0Xie8leCTSv20171123
J.P. Morgan Securities plc	23-Nov-2017 16:29:18	261	708.0000	XLON	84403844000100770-E0Xie8leCTeq20171123
J.P. Morgan Securities plc	23-Nov-2017 16:29:18	1363	708.0000	XLON	84403844000100770-E0Xie8leCTen20171123
J.P. Morgan Securities plc	23-Nov-2017 16:29:20	1378	708.0000	XLON	84403844000100821-E0Xie8leCThj20171123
J.P. Morgan Securities plc	23-Nov-2017 16:29:21	750	708.0000	XLON	84403844000100833-E0Xie8leCTiy20171123
J.P. Morgan Securities plc	23-Nov-2017 16:29:21	229	708.0000	XLON	84403844000100833-E0Xie8leCTj220171123
J.P. Morgan Securities plc	23-Nov-2017 16:29:21	800	708.0000	XLON	84403844000100833-E0Xie8leCTj020171123
J.P. Morgan Securities plc	23-Nov-2017 16:29:46	669	708.5000	XLON	84403844000101001-E0Xie8leCUUA20171123
J.P. Morgan Securities plc	23-Nov-2017 16:29:46	1007	708.5000	XLON	84403844000101001-E0Xie8leCUUC20171123
J.P. Morgan Securities plc	23-Nov-2017 16:29:46	669	708.5000	XLON	84403844000101001-E0Xie8leCUU820171123
J.P. Morgan Securities plc	23-Nov-2017 16:29:47	144	708.5000	XLON	84403844000101017-E0Xie8leCUWy20171123
J.P. Morgan Securities plc	23-Nov-2017 16:29:47	569	708.5000	XLON	84403844000101017-E0Xie8leCUX020171123
J.P. Morgan Securities plc	23-Nov-2017 16:29:48	1657	708.5000	XLON	84403844000101027-E0Xie8leCUa220171123
J.P. Morgan Securities plc	23-Nov-2017 16:29:48	2277	708.5000	XLON	84403844000101027-E0Xie8leCUa020171123
J.P. Morgan Securities plc	23-Nov-2017 16:29:49	1573	708.5000	XLON	84403844000101032-E0Xie8leCUfc20171123