

| Broker                     | Transaction Date and Time | Volume | Price (GBP) | Platform | Transaction Reference Number          |
|----------------------------|---------------------------|--------|-------------|----------|---------------------------------------|
| J.P. Morgan Securities plc | 05-Dec-2019 08:01:12      | 50     | 6610.0000   | XLON     | 0100301000002645-E0gOiK0eGSgl20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:01:12      | 48     | 6610.0000   | XLON     | 0100301000002645-E0gOiK0eGSgG20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:01:12      | 118    | 6610.0000   | XLON     | 0100301000002644-E0gOiK0eGSgE20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:01:12      | 137    | 6612.0000   | XLON     | 1100311000002690-E0gOiK0eGSg820191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:01:42      | 41     | 6604.0000   | XLON     | 1100311000002750-E0gOiK0eGTEZ20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:02:32      | 41     | 6598.0000   | XLON     | 1100311000003420-E0gOiK0eGU5E20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:03:37      | 2      | 6602.0000   | XLON     | 1100311000003854-E0gOiK0eGWDH20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:03:37      | 56     | 6602.0000   | XLON     | 1100311000003998-E0gOiK0eGWDL20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:03:37      | 41     | 6602.0000   | XLON     | 0100301000003892-E0gOiK0eGWDC20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:03:37      | 28     | 6602.0000   | XLON     | 1100311000003853-E0gOiK0eGWDA20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:03:37      | 2      | 6602.0000   | XLON     | 1100311000003854-E0gOiK0eGWDE20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:04:25      | 60     | 6602.0000   | XLON     | 0100301000004616-E0gOiK0eGXa620191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:04:25      | 66     | 6602.0000   | XLON     | 0100301000004616-E0gOiK0eGXa820191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:04:25      | 107    | 6600.0000   | XLON     | 1100311000004585-E0gOiK0eGXaN20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:04:32      | 126    | 6598.0000   | XLON     | 0100301000004617-E0gOiK0eGXip20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:05:12      | 97     | 6594.0000   | XLON     | 0100301000004865-E0gOiK0eGYvN20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:06:34      | 241    | 6606.0000   | XLON     | 1100311000005884-E0gOiK0eGbui20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:06:34      | 74     | 6606.0000   | XLON     | 1100311000005883-E0gOiK0eGbug20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:06:53      | 96     | 6604.0000   | XLON     | 0100301000005830-E0gOiK0eGcNV20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:07:55      | 37     | 6606.0000   | XLON     | 1100311000007061-E0gOiK0eGeQx20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:07:55      | 39     | 6606.0000   | XLON     | 1100311000007061-E0gOiK0eGeQz20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:08:09      | 26     | 6606.0000   | XLON     | 1100311000007254-E0gOiK0eGev320191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:08:09      | 45     | 6606.0000   | XLON     | 1100311000007254-E0gOiK0eGev520191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:08:23      | 19     | 6606.0000   | XLON     | 1100311000007398-E0gOiK0eGfI520191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:08:23      | 38     | 6606.0000   | XLON     | 1100311000007398-E0gOiK0eGfI320191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:08:37      | 39     | 6606.0000   | XLON     | 1100311000007595-E0gOiK0eGfn220191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:08:42      | 234    | 6604.0000   | XLON     | 0100301000006876-E0gOiK0eGfYL20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:10:06      | 124    | 6604.0000   | XLON     | 0100301000008624-E0gOiK0eGi6c20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:10:06      | 21     | 6606.0000   | XLON     | 1100311000008634-E0gOiK0eGi6620191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:10:23      | 38     | 6606.0000   | XLON     | 1100311000008896-E0gOiK0eGiXj20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:10:27      | 26     | 6606.0000   | XLON     | 0100301000008910-E0gOiK0eGiga20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:12:47      | 20     | 6628.0000   | XLON     | 1100311000010884-E0gOiK0eGmFJ20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:12:48      | 241    | 6624.0000   | XLON     | 1100311000010897-E0gOiK0eGmGd20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:13:36      | 52     | 6626.0000   | XLON     | 1100311000011547-E0gOiK0eGnhA20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:13:45      | 167    | 6626.0000   | XLON     | 1100311000011581-E0gOiK0eGnrA20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:14:34      | 17     | 6630.0000   | XLON     | 0100301000012219-E0gOiK0eGoWI20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:14:34      | 47     | 6630.0000   | XLON     | 0100301000012219-E0gOiK0eGoWG20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:14:38      | 40     | 6630.0000   | XLON     | 0100301000012257-E0gOiK0eGobl20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:14:42      | 46     | 6630.0000   | XLON     | 0100301000012293-E0gOiK0eGoer20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:14:45      | 31     | 6630.0000   | XLON     | 1100311000012370-E0gOiK0eGoin20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:14:45      | 38     | 6630.0000   | XLON     | 1100311000012370-E0gOiK0eGoip20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:15:58      | 118    | 6628.0000   | XLON     | 1100311000013342-E0gOiK0eGqmR20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:15:58      | 96     | 6628.0000   | XLON     | 1100311000013342-E0gOiK0eGqmP20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:16:28      | 215    | 6628.0000   | XLON     | 1100311000013829-E0gOiK0eGrMe20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:17:51      | 64     | 6626.0000   | XLON     | 0100301000014724-E0gOiK0eGt9m20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:17:51      | 249    | 6626.0000   | XLON     | 0100301000014724-E0gOiK0eGt9o20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:17:51      | 18     | 6626.0000   | XLON     | 0100301000014724-E0gOiK0eGt9k20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:18:01      | 44     | 6622.0000   | XLON     | 1100311000014657-E0gOiK0eGtNM20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:18:01      | 159    | 6622.0000   | XLON     | 1100311000014657-E0gOiK0eGtNI20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:18:01      | 34     | 6622.0000   | XLON     | 1100311000014657-E0gOiK0eGtNE20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:18:01      | 37     | 6622.0000   | XLON     | 1100311000014592-E0gOiK0eGtN820191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:18:01      | 88     | 6622.0000   | XLON     | 1100311000014657-E0gOiK0eGtNG20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:18:01      | 27     | 6622.0000   | XLON     | 1100311000014657-E0gOiK0eGtNC20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:18:01      | 7      | 6622.0000   | XLON     | 1100311000014657-E0gOiK0eGtNA20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:19:35      | 57     | 6618.0000   | XLON     | 1100311000015734-E0gOiK0eGvHv20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:19:35      | 200    | 6618.0000   | XLON     | 1100311000015734-E0gOiK0eGvHt20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:21:13      | 234    | 6618.0000   | XLON     | 0100301000016781-E0gOiK0eGxXm20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:22:42      | 45     | 6620.0000   | XLON     | 1100311000017839-E0gOiK0eGyy320191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:23:07      | 107    | 6620.0000   | XLON     | 1100311000018142-E0gOiK0eGzY420191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:23:07      | 4      | 6620.0000   | XLON     | 1100311000018142-E0gOiK0eGzXy20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:23:07      | 57     | 6620.0000   | XLON     | 1100311000018142-E0gOiK0eGzY020191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:23:07      | 16     | 6620.0000   | XLON     | 1100311000018142-E0gOiK0eGzY220191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:23:57      | 22     | 6620.0000   | XLON     | 0100301000018847-E0gOiK0eH0yO20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:23:57      | 58     | 6620.0000   | XLON     | 0100301000018847-E0gOiK0eH0yQ20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:23:57      | 55     | 6620.0000   | XLON     | 0100301000018847-E0gOiK0eH0yM20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:23:57      | 65     | 6620.0000   | XLON     | 0100301000018847-E0gOiK0eH0yK20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:24:52      | 20     | 6620.0000   | XLON     | 0100301000019798-E0gOiK0eH28Y20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:24:52      | 43     | 6620.0000   | XLON     | 0100301000019798-E0gOiK0eH28a20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:25:02      | 150    | 6628.0000   | XLON     | 0100301000019877-E0gOiK0eH2KQ20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:26:27      | 64     | 6630.0000   | XLON     | 0100301000021626-E0gOiK0eH46m20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:26:27      | 56     | 6630.0000   | XLON     | 0100301000021626-E0gOiK0eH46s20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:26:27      | 10     | 6630.0000   | XLON     | 0100301000021626-E0gOiK0eH46u20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:26:27      | 67     | 6630.0000   | XLON     | 0100301000021626-E0gOiK0eH46q20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:26:27      | 17     | 6630.0000   | XLON     | 0100301000021626-E0gOiK0eH46o20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:26:50      | 13     | 6630.0000   | XLON     | 0100301000021939-E0gOiK0eH4ZW20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:26:50      | 75     | 6630.0000   | XLON     | 0100301000021939-E0gOiK0eH4ZY20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:26:50      | 3      | 6630.0000   | XLON     | 0100301000021939-E0gOiK0eH4ZU20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:26:50      | 14     | 6630.0000   | XLON     | 0100301000021939-E0gOiK0eH4ZS20191205 |

|                            |                      |     |           |      |  |
|----------------------------|----------------------|-----|-----------|------|--|
| J.P. Morgan Securities plc | 05-Dec-2019 08:26:54 | 13  | 6630.0000 | XLON | 01003010000021999-E0gOiK0eH4ct20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:26:54 | 27  | 6630.0000 | XLON | 01003010000021999-E0gOiK0eH4cr20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:26:57 | 69  | 6630.0000 | XLON | 01003010000022048-E0gOiK0eH4ed20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:27:50 | 217 | 6618.0000 | XLON | 11003110000022943-E0gOiK0eH5q420191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:28:49 | 51  | 6614.0000 | XLON | 11003110000023767-E0gOiK0eH7bl20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:29:02 | 115 | 6616.0000 | XLON | 01003010000023934-E0gOiK0eH83D20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:29:02 | 48  | 6616.0000 | XLON | 11003110000023977-E0gOiK0eH83B20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:29:12 | 65  | 6614.0000 | XLON | 11003110000023767-E0gOiK0eH8G020191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:29:12 | 97  | 6614.0000 | XLON | 11003110000023767-E0gOiK0eH8G220191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:29:12 | 11  | 6614.0000 | XLON | 11003110000023767-E0gOiK0eH8G620191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:29:12 | 27  | 6614.0000 | XLON | 11003110000023767-E0gOiK0eH8G420191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:29:12 | 3   | 6614.0000 | XLON | 11003110000023767-E0gOiK0eH8Fy20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:31:24 | 70  | 6626.0000 | XLON | 01003010000027040-E0gOiK0eHBJF20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:31:24 | 75  | 6626.0000 | XLON | 01003010000027040-E0gOiK0eHBJH20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:31:24 | 33  | 6626.0000 | XLON | 01003010000027040-E0gOiK0eHBJJ20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:31:24 | 61  | 6624.0000 | XLON | 01003010000027011-E0gOiK0eHBJ020191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:31:24 | 2   | 6624.0000 | XLON | 11003110000027006-E0gOiK0eHBlY20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:31:24 | 41  | 6624.0000 | XLON | 01003010000027011-E0gOiK0eHBJ220191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:31:24 | 53  | 6624.0000 | XLON | 11003110000027006-E0gOiK0eHBlw20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:31:43 | 87  | 6620.0000 | XLON | 01003010000027296-E0gOiK0eHBgr20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:33:04 | 4   | 6628.0000 | XLON | 01003010000028878-E0gOiK0eHD5j20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:33:04 | 298 | 6628.0000 | XLON | 01003010000028878-E0gOiK0eHD5d20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:34:51 | 100 | 6630.0000 | XLON | 01003010000029995-E0gOiK0eHFpb20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:34:51 | 121 | 6630.0000 | XLON | 01003010000030012-E0gOiK0eHFpd20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:36:06 | 196 | 6630.0000 | XLON | 01003010000031532-E0gOiK0eHHRx20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:36:06 | 22  | 6630.0000 | XLON | 11003110000031595-E0gOiK0eHHS120191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:36:06 | 17  | 6630.0000 | XLON | 11003110000031595-E0gOiK0eHHRz20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:36:31 | 46  | 6630.0000 | XLON | 01003010000031992-E0gOiK0eHHoL20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:36:31 | 26  | 6630.0000 | XLON | 01003010000031930-E0gOiK0eHHoD20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:36:31 | 54  | 6630.0000 | XLON | 01003010000031965-E0gOiK0eHHoJ20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:36:31 | 55  | 6630.0000 | XLON | 01003010000031948-E0gOiK0eHHoH20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:36:31 | 37  | 6630.0000 | XLON | 01003010000031930-E0gOiK0eHHoF20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:36:31 | 274 | 6630.0000 | XLON | 11003110000031934-E0gOiK0eHHoB20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:38:51 | 88  | 6632.0000 | XLON | 01003010000034039-E0gOiK0eHKin20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:38:51 | 114 | 6632.0000 | XLON | 01003010000034039-E0gOiK0eHKil20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:39:04 | 296 | 6630.0000 | XLON | 11003110000033898-E0gOiK0eHL2A20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:40:41 | 111 | 6642.0000 | XLON | 11003110000035741-E0gOiK0eHNN320191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:40:45 | 76  | 6642.0000 | XLON | 01003010000035734-E0gOiK0eHNT920191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:41:34 | 56  | 6636.0000 | XLON | 01003010000035961-E0gOiK0eHOTi20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:41:34 | 14  | 6642.0000 | XLON | 11003110000036068-E0gOiK0eHOSr20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:41:34 | 61  | 6642.0000 | XLON | 11003110000036230-E0gOiK0eHOS20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 08:41:34 | 65  | 6642.0000 | XLON | 01003010000035843-E0gOiK0eHOSp20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:42:56 | 93  | 6632.0000 | XLON | 01003010000037305-E0gOiK0eHPpE20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:42:56 | 163 | 6632.0000 | XLON | 01003010000037315-E0gOiK0eHPpl20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:42:56 | 117 | 6632.0000 | XLON | 11003110000037340-E0gOiK0eHPpG20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:43:14 | 6   | 6628.0000 | XLON | 11003110000037402-E0gOiK0eHQHd20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:43:59 | 74  | 6628.0000 | XLON | 11003110000037402-E0gOiK0eHR3j20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:45:35 | 76  | 6632.0000 | XLON | 11003110000039697-E0gOiK0eHSuG20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:45:35 | 68  | 6632.0000 | XLON | 11003110000039697-E0gOiK0eHSuE20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:45:35 | 120 | 6632.0000 | XLON | 11003110000039697-E0gOiK0eHSul20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:46:03 | 166 | 6632.0000 | XLON | 11003110000040206-E0gOiK0eHTYo20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:46:03 | 40  | 6632.0000 | XLON | 11003110000040206-E0gOiK0eHTYk20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:46:03 | 75  | 6632.0000 | XLON | 11003110000040206-E0gOiK0eHTYm20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:46:41 | 94  | 6628.0000 | XLON | 01003010000039187-E0gOiK0eHUJU20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:46:41 | 122 | 6628.0000 | XLON | 01003010000039187-E0gOiK0eHUJS20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:46:41 | 59  | 6628.0000 | XLON | 01003010000039165-E0gOiK0eHUJQ20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:49:29 | 51  | 6638.0000 | XLON | 11003110000043111-E0gOiK0eHXox20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:49:29 | 52  | 6638.0000 | XLON | 01003010000043122-E0gOiK0eHXot20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:49:29 | 13  | 6638.0000 | XLON | 11003110000043110-E0gOiK0eHXom20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:49:29 | 49  | 6638.0000 | XLON | 11003110000043110-E0gOiK0eHXok20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:49:29 | 38  | 6638.0000 | XLON | 01003010000043123-E0gOiK0eHXpS20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:50:10 | 75  | 6636.0000 | XLON | 01003010000043792-E0gOiK0eHZAg20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:51:39 | 75  | 6638.0000 | XLON | 01003010000045193-E0gOiK0eHb6220191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:51:39 | 75  | 6640.0000 | XLON | 01003010000045193-E0gOiK0eHb6A20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:51:39 | 45  | 6640.0000 | XLON | 01003010000045193-E0gOiK0eHb6C20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:51:39 | 41  | 6640.0000 | XLON | 01003010000045193-E0gOiK0eHb6620191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:51:39 | 53  | 6640.0000 | XLON | 01003010000045193-E0gOiK0eHb6820191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:51:39 | 12  | 6640.0000 | XLON | 01003010000045193-E0gOiK0eHb6420191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:52:25 | 45  | 6636.0000 | XLON | 01003010000045685-E0gOiK0eHbs920191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:52:25 | 42  | 6636.0000 | XLON | 01003010000045504-E0gOiK0eHbs320191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:52:25 | 39  | 6636.0000 | XLON | 01003010000045496-E0gOiK0eHbs120191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:52:25 | 48  | 6636.0000 | XLON | 01003010000045548-E0gOiK0eHbs720191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:52:25 | 272 | 6636.0000 | XLON | 11003110000045424-E0gOiK0eHbrz20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:52:25 | 58  | 6636.0000 | XLON | 01003010000045751-E0gOiK0eHbsL20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:54:19 | 396 | 6632.0000 | XLON | 11003110000047005-E0gOiK0eHdYk20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:55:04 | 46  | 6630.0000 | XLON | 01003010000046887-E0gOiK0eHeSL20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:55:04 | 154 | 6630.0000 | XLON | 01003010000046887-E0gOiK0eHeSN20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:55:10 | 57  | 6628.0000 | XLON | 11003110000045779-E0gOiK0eHeaq20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:55:28 | 94  | 6626.0000 | XLON | 01003010000047716-E0gOiK0eHf8l20191205 |

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|----------------------------|----------------------|-----|-----------|------|--|
| J.P. Morgan Securities plc | 05-Dec-2019 08:56:36 | 16  | 6628.0000 | XLON | 11003110000048762-E0gOiK0eHg3I20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:56:36 | 24  | 6628.0000 | XLON | 11003110000048623-E0gOiK0eHg3Q20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:56:36 | 97  | 6628.0000 | XLON | 11003110000048623-E0gOiK0eHg3T20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:56:36 | 137 | 6628.0000 | XLON | 11003110000048622-E0gOiK0eHg3O20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:56:36 | 71  | 6628.0000 | XLON | 01003010000048604-E0gOiK0eHg3I20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:56:36 | 18  | 6628.0000 | XLON | 01003010000048604-E0gOiK0eHg3M20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:56:36 | 3   | 6628.0000 | XLON | 01003010000048761-E0gOiK0eHg3d20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:56:36 | 45  | 6628.0000 | XLON | 01003010000048761-E0gOiK0eHg3g20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:56:36 | 114 | 6628.0000 | XLON | 01003010000048761-E0gOiK0eHg3j20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:57:44 | 17  | 6630.0000 | XLON | 11003110000049492-E0gOiK0eHhL020191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:57:44 | 175 | 6630.0000 | XLON | 11003110000049492-E0gOiK0eHhKw20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:57:44 | 75  | 6630.0000 | XLON | 11003110000049492-E0gOiK0eHhKy20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:59:25 | 39  | 6632.0000 | XLON | 01003010000050491-E0gOiK0eHj2o20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 08:59:39 | 18  | 6632.0000 | XLON | 11003110000050629-E0gOiK0eHjKV20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:00:21 | 69  | 6638.0000 | XLON | 11003110000050886-E0gOiK0eHkkf20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:00:21 | 56  | 6638.0000 | XLON | 01003010000050821-E0gOiK0eHkkd20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:00:21 | 75  | 6640.0000 | XLON | 01003010000051175-E0gOiK0eHkkQ20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:00:28 | 108 | 6636.0000 | XLON | 01003010000050822-E0gOiK0eHkuU20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:02:20 | 52  | 6636.0000 | XLON | 11003110000052021-E0gOiK0eHmdZ20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:02:20 | 18  | 6636.0000 | XLON | 11003110000052021-E0gOiK0eHmdW20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:02:32 | 84  | 6634.0000 | XLON | 01003010000051790-E0gOiK0eHn1E20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:03:25 | 130 | 6638.0000 | XLON | 11003110000052964-E0gOiK0eHoC620191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:03:25 | 20  | 6638.0000 | XLON | 11003110000052964-E0gOiK0eHoC920191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:03:25 | 164 | 6638.0000 | XLON | 11003110000052805-E0gOiK0eHoC020191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:03:30 | 41  | 6634.0000 | XLON | 11003110000053254-E0gOiK0eHoMm20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:05:12 | 103 | 6632.0000 | XLON | 11003110000053730-E0gOiK0eHqH420191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:05:12 | 99  | 6634.0000 | XLON | 01003010000053705-E0gOiK0eHqGU20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:05:12 | 14  | 6632.0000 | XLON | 11003110000053730-E0gOiK0eHqH220191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:05:22 | 63  | 6630.0000 | XLON | 11003110000053744-E0gOiK0eHqXO20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:06:05 | 101 | 6628.0000 | XLON | 01003010000054532-E0gOiK0eHrFF20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:06:05 | 72  | 6628.0000 | XLON | 01003010000054532-E0gOiK0eHrFD20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:06:05 | 78  | 6628.0000 | XLON | 01003010000054532-E0gOiK0eHrFH20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:06:34 | 144 | 6624.0000 | XLON | 11003110000054554-E0gOiK0eHruA20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:07:41 | 111 | 6620.0000 | XLON | 11003110000054595-E0gOiK0eHsmP20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:08:37 | 40  | 6618.0000 | XLON | 01003010000055416-E0gOiK0eHtaV20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:08:37 | 102 | 6618.0000 | XLON | 01003010000055416-E0gOiK0eHttx20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:08:37 | 71  | 6618.0000 | XLON | 11003110000055431-E0gOiK0eHtaT20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:09:40 | 104 | 6620.0000 | XLON | 01003010000056111-E0gOiK0eHul120191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:09:40 | 87  | 6620.0000 | XLON | 11003110000056053-E0gOiK0eHukz20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:09:40 | 113 | 6620.0000 | XLON | 01003010000055917-E0gOiK0eHukx20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:09:40 | 241 | 6620.0000 | XLON | 01003010000056111-E0gOiK0eHul620191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:11:03 | 32  | 6616.0000 | XLON | 11003110000056147-E0gOiK0eHwBj20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:11:03 | 52  | 6616.0000 | XLON | 11003110000056147-E0gOiK0eHwBl20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:11:07 | 135 | 6614.0000 | XLON | 11003110000056972-E0gOiK0eHwGm20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:11:30 | 81  | 6612.0000 | XLON | 01003010000056188-E0gOiK0eHwwN20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:11:30 | 44  | 6612.0000 | XLON | 01003010000057060-E0gOiK0eHwwP20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:13:34 | 174 | 6614.0000 | XLON | 01003010000058066-E0gOiK0eHyZu20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:13:34 | 124 | 6614.0000 | XLON | 01003010000057798-E0gOiK0eHyZq20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:14:08 | 151 | 6610.0000 | XLON | 11003110000056273-E0gOiK0eHz9t20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:17:37 | 135 | 6610.0000 | XLON | 11003110000060019-E0gOiK0eI2Z220191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:18:36 | 47  | 6614.0000 | XLON | 11003110000060542-E0gOiK0eI3eM20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:18:36 | 61  | 6614.0000 | XLON | 11003110000060542-E0gOiK0eI3eQ20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:18:36 | 101 | 6614.0000 | XLON | 11003110000060542-E0gOiK0eI3eO20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:18:58 | 41  | 6610.0000 | XLON | 01003010000060543-E0gOiK0eI42n20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:20:07 | 179 | 6608.0000 | XLON | 11003110000061152-E0gOiK0eI4z320191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:20:07 | 133 | 6608.0000 | XLON | 11003110000061152-E0gOiK0eI4z520191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:20:45 | 64  | 6606.0000 | XLON | 01003010000060960-E0gOiK0eI5Z220191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:20:45 | 200 | 6606.0000 | XLON | 01003010000060960-E0gOiK0eI5Z420191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:20:45 | 93  | 6606.0000 | XLON | 01003010000060960-E0gOiK0eI5Z620191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:21:22 | 57  | 6606.0000 | XLON | 01003010000061501-E0gOiK0eI5xr20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:21:22 | 173 | 6606.0000 | XLON | 01003010000061501-E0gOiK0eI5xu20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:22:16 | 11  | 6606.0000 | XLON | 11003110000061976-E0gOiK0eI6I520191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:22:16 | 30  | 6606.0000 | XLON | 11003110000061976-E0gOiK0eI6I320191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:22:16 | 41  | 6606.0000 | XLON | 01003010000061937-E0gOiK0eI6I920191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:24:40 | 91  | 6606.0000 | XLON | 01003010000062893-E0gOiK0eI98b20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:24:40 | 40  | 6606.0000 | XLON | 01003010000062893-E0gOiK0eI98X20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:24:40 | 75  | 6606.0000 | XLON | 01003010000062893-E0gOiK0eI98Z20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:26:07 | 64  | 6608.0000 | XLON | 11003110000063492-E0gOiK0eIAFp20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:26:07 | 219 | 6608.0000 | XLON | 11003110000063492-E0gOiK0eIAFt20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:26:07 | 10  | 6608.0000 | XLON | 11003110000063492-E0gOiK0eIAFr20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:26:07 | 27  | 6608.0000 | XLON | 11003110000063492-E0gOiK0eIAFv20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:26:59 | 103 | 6604.0000 | XLON | 01003010000062177-E0gOiK0eIAtk20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:26:59 | 91  | 6604.0000 | XLON | 01003010000062177-E0gOiK0eIAtl20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:29:16 | 78  | 6602.0000 | XLON | 01003010000061639-E0gOiK0eICV520191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:29:16 | 56  | 6602.0000 | XLON | 11003110000063981-E0gOiK0eICV920191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:29:17 | 84  | 6602.0000 | XLON | 01003010000064468-E0gOiK0eICVi20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:29:17 | 75  | 6602.0000 | XLON | 01003010000064468-E0gOiK0eICVk20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:29:17 | 87  | 6602.0000 | XLON | 01003010000064468-E0gOiK0eICVm20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:29:46 | 144 | 6600.0000 | XLON | 11003110000064623-E0gOiK0eID8620191205 |

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|----------------------------|----------------------|-----|-----------|------|--|
| J.P. Morgan Securities plc | 05-Dec-2019 09:29:53 | 33  | 6600.0000 | XLON | 11003110000064779-E0gOiK0eIDBn20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:29:53 | 84  | 6600.0000 | XLON | 11003110000064779-E0gOiK0eIDBI20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:29:53 | 22  | 6598.0000 | XLON | 11003110000063953-E0gOiK0eIDCH20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:31:07 | 83  | 6602.0000 | XLON | 01003010000065280-E0gOiK0eIEGn20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:31:58 | 142 | 6602.0000 | XLON | 01003010000065311-E0gOiK0eIEtf20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:33:07 | 13  | 6608.0000 | XLON | 01003010000066030-E0gOiK0eIFou20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:33:07 | 191 | 6608.0000 | XLON | 01003010000066030-E0gOiK0eIFos20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:38:28 | 38  | 6614.0000 | XLON | 01003010000068150-E0gOiK0eIJ6L20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:38:28 | 109 | 6614.0000 | XLON | 01003010000068150-E0gOiK0eIJ6H20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:38:28 | 42  | 6614.0000 | XLON | 01003010000068150-E0gOiK0eIJ6J20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:39:24 | 41  | 6626.0000 | XLON | 01003010000068514-E0gOiK0eIJlk20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:39:24 | 47  | 6626.0000 | XLON | 01003010000068513-E0gOiK0eIJlc20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:39:24 | 49  | 6626.0000 | XLON | 01003010000068511-E0gOiK0eIJJ20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 09:39:24 | 47  | 6626.0000 | XLON | 11003110000068529-E0gOiK0eIJlQ20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:39:24 | 42  | 6626.0000 | XLON | 11003110000068530-E0gOiK0eIJle20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:40:16 | 200 | 6626.0000 | XLON | 11003110000068593-E0gOiK0eIKFY20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:40:46 | 40  | 6626.0000 | XLON | 11003110000069007-E0gOiK0eIKVi20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:40:46 | 75  | 6626.0000 | XLON | 11003110000069007-E0gOiK0eIKVg20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:40:46 | 63  | 6626.0000 | XLON | 11003110000069007-E0gOiK0eIKVk20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:40:46 | 21  | 6626.0000 | XLON | 11003110000069007-E0gOiK0eIKVm20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:42:38 | 134 | 6626.0000 | XLON | 01003010000069844-E0gOiK0eILxm20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:42:38 | 58  | 6626.0000 | XLON | 01003010000069844-E0gOiK0eILxk20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:42:38 | 43  | 6626.0000 | XLON | 11003110000069737-E0gOiK0eILxg20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:44:34 | 37  | 6626.0000 | XLON | 01003010000070853-E0gOiK0eINSG20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:44:34 | 239 | 6626.0000 | XLON | 11003110000070815-E0gOiK0eINSK20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:44:34 | 52  | 6626.0000 | XLON | 11003110000070815-E0gOiK0eINSI20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:44:34 | 37  | 6626.0000 | XLON | 01003010000070871-E0gOiK0eINSO20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:44:34 | 37  | 6626.0000 | XLON | 11003110000070851-E0gOiK0eINSQ20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:44:34 | 37  | 6626.0000 | XLON | 11003110000070821-E0gOiK0eINSM20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:44:34 | 2   | 6626.0000 | XLON | 11003110000070861-E0gOiK0eINSS20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:44:59 | 27  | 6626.0000 | XLON | 01003010000070918-E0gOiK0eINgb20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:44:59 | 96  | 6626.0000 | XLON | 01003010000070918-E0gOiK0eINgZ20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:44:59 | 104 | 6626.0000 | XLON | 11003110000070868-E0gOiK0eINgX20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:45:03 | 60  | 6624.0000 | XLON | 01003010000071090-E0gOiK0eINkn20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:45:03 | 13  | 6624.0000 | XLON | 01003010000071090-E0gOiK0eINkl20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:47:03 | 176 | 6622.0000 | XLON | 11003110000071599-E0gOiK0eIPBx20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:48:41 | 5   | 6630.0000 | XLON | 11003110000072911-E0gOiK0eIQVT20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:48:41 | 80  | 6630.0000 | XLON | 01003010000072927-E0gOiK0eIQVM20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:49:17 | 125 | 6634.0000 | XLON | 01003010000073180-E0gOiK0eIQvs20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:49:17 | 90  | 6634.0000 | XLON | 11003110000073146-E0gOiK0eIQvi20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:50:28 | 155 | 6630.0000 | XLON | 01003010000073731-E0gOiK0eIRpc20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:53:56 | 58  | 6640.0000 | XLON | 01003010000075417-E0gOiK0eIU320191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 09:53:56 | 31  | 6640.0000 | XLON | 01003010000075417-E0gOiK0eIU520191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 09:53:56 | 33  | 6640.0000 | XLON | 01003010000075417-E0gOiK0eIU720191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 09:53:57 | 75  | 6640.0000 | XLON | 01003010000075422-E0gOiK0eIUmh20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:53:58 | 308 | 6640.0000 | XLON | 01003010000075429-E0gOiK0eIUmy20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:55:29 | 25  | 6636.0000 | XLON | 01003010000076072-E0gOiK0eIWT620191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:55:29 | 38  | 6636.0000 | XLON | 01003010000076171-E0gOiK0eIWT820191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:55:29 | 53  | 6636.0000 | XLON | 11003110000076110-E0gOiK0eIWT220191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:55:29 | 71  | 6636.0000 | XLON | 01003010000076072-E0gOiK0eIWT420191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:55:29 | 38  | 6636.0000 | XLON | 01003010000075837-E0gOiK0eIWSy20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:55:29 | 104 | 6636.0000 | XLON | 11003110000075760-E0gOiK0eIWSw20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 09:55:29 | 39  | 6636.0000 | XLON | 11003110000076017-E0gOiK0eIWT020191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 10:00:28 | 6   | 6634.0000 | XLON | 11003110000076577-E0gOiK0eIbuw20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 10:00:48 | 40  | 6634.0000 | XLON | 11003110000080562-E0gOiK0eIcMw20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 10:00:48 | 9   | 6634.0000 | XLON | 11003110000080535-E0gOiK0eIcMi20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 10:00:48 | 1   | 6634.0000 | XLON | 01003010000080425-E0gOiK0eIcMa20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 10:00:48 | 1   | 6634.0000 | XLON | 01003010000080451-E0gOiK0eIcMm20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 10:00:48 | 38  | 6634.0000 | XLON | 01003010000080473-E0gOiK0eIcMy20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 10:00:48 | 38  | 6634.0000 | XLON | 01003010000080441-E0gOiK0eIcMg20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 10:00:48 | 47  | 6634.0000 | XLON | 01003010000080468-E0gOiK0eIcMq20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 10:00:48 | 4   | 6634.0000 | XLON | 01003010000080450-E0gOiK0eIcMk20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 10:00:48 | 41  | 6634.0000 | XLON | 01003010000080472-E0gOiK0eIcMu20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 10:00:48 | 47  | 6634.0000 | XLON | 01003010000080474-E0gOiK0eIcN020191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 10:00:48 | 43  | 6634.0000 | XLON | 11003110000080541-E0gOiK0eIcMo20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 10:00:48 | 38  | 6634.0000 | XLON | 01003010000080413-E0gOiK0eIcMY20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 10:00:48 | 46  | 6634.0000 | XLON | 11003110000080556-E0gOiK0eIcMs20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 10:00:48 | 128 | 6634.0000 | XLON | 11003110000080570-E0gOiK0eIcN220191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 10:00:48 | 1   | 6634.0000 | XLON | 01003010000079783-E0gOiK0eIcMW20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 10:00:48 | 47  | 6634.0000 | XLON | 01003010000080438-E0gOiK0eIcMe20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 10:00:48 | 37  | 6634.0000 | XLON | 01003010000078113-E0gOiK0eIcMC20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 10:00:48 | 40  | 6634.0000 | XLON | 01003010000078900-E0gOiK0eIcMI20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 10:00:48 | 37  | 6634.0000 | XLON | 01003010000079373-E0gOiK0eIcMM20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 10:00:48 | 35  | 6634.0000 | XLON | 11003110000079865-E0gOiK0eIcMQ20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 10:00:48 | 4   | 6634.0000 | XLON | 11003110000079865-E0gOiK0eIcMU20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 10:00:48 | 7   | 6634.0000 | XLON | 11003110000080521-E0gOiK0eIcMc20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 10:00:48 | 37  | 6634.0000 | XLON | 01003010000079446-E0gOiK0eIcMO20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 10:00:48 | 37  | 6634.0000 | XLON | 11003110000078456-E0gOiK0eIcME20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 10:00:48 | 1   | 6634.0000 | XLON | 11003110000079002-E0gOiK0eIcMK20191205 |

|                            |                      |     |           |      |   |
|----------------------------|----------------------|-----|-----------|------|---|
| J.P. Morgan Securities plc | 05-Dec-2019 10:01:07 | 236 | 6632.0000 | XLON | 01003010000080736-E0gOiK0elcm020191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:02:47 | 81  | 6630.0000 | XLON | 01003010000081462-E0gOiK0elds020191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:02:47 | 15  | 6630.0000 | XLON | 01003010000081462-E0gOiK0eldry20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:02:47 | 166 | 6630.0000 | XLON | 01003010000081462-E0gOiK0elds420191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:02:47 | 2   | 6630.0000 | XLON | 01003010000081462-E0gOiK0elds220191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:02:47 | 75  | 6630.0000 | XLON | 01003010000081462-E0gOiK0elrdrw20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 10:03:32 | 243 | 6628.0000 | XLON | 11003110000080830-E0gOiK0eleg920191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:03:32 | 17  | 6628.0000 | XLON | 11003110000080830-E0gOiK0eleg720191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:04:55 | 75  | 6630.0000 | XLON | 11003110000082559-E0gOiK0elfxx20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:04:55 | 61  | 6630.0000 | XLON | 11003110000082559-E0gOiK0elfxr20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:04:55 | 24  | 6630.0000 | XLON | 11003110000082559-E0gOiK0elfxv20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:04:55 | 166 | 6630.0000 | XLON | 11003110000082559-E0gOiK0elfxt20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:06:35 | 178 | 6630.0000 | XLON | 01003010000083014-E0gOiK0elha420191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:06:35 | 133 | 6630.0000 | XLON | 01003010000083014-E0gOiK0elha720191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:06:35 | 24  | 6630.0000 | XLON | 11003110000083313-E0gOiK0elhaO20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:06:35 | 33  | 6632.0000 | XLON | 11003110000083313-E0gOiK0elhaS20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:06:35 | 75  | 6630.0000 | XLON | 11003110000083313-E0gOiK0elhaM20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:06:35 | 75  | 6632.0000 | XLON | 11003110000083313-E0gOiK0elhaQ20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:06:37 | 133 | 6628.0000 | XLON | 11003110000083234-E0gOiK0elhbl20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:10:09 | 136 | 6624.0000 | XLON | 01003010000084628-E0gOiK0elk6w20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:10:09 | 61  | 6624.0000 | XLON | 01003010000084628-E0gOiK0elk6y20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:12:46 | 151 | 6622.0000 | XLON | 11003110000083773-E0gOiK0elmL620191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:12:46 | 250 | 6622.0000 | XLON | 11003110000085325-E0gOiK0elmLC20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:12:46 | 267 | 6622.0000 | XLON | 01003010000085518-E0gOiK0elmLE20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:12:46 | 80  | 6622.0000 | XLON | 01003010000085773-E0gOiK0elmLG20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:14:20 | 105 | 6618.0000 | XLON | 01003010000084359-E0gOiK0elnkC20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:16:02 | 75  | 6616.0000 | XLON | 01003010000086866-E0gOiK0elpA620191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:16:03 | 18  | 6616.0000 | XLON | 01003010000087158-E0gOiK0elpAv20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:17:08 | 41  | 6628.0000 | XLON | 01003010000087366-E0gOiK0elpwE20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:18:00 | 145 | 6626.0000 | XLON | 01003010000087791-E0gOiK0elqPA20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:18:00 | 111 | 6626.0000 | XLON | 01003010000087842-E0gOiK0elqPE20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:18:00 | 55  | 6626.0000 | XLON | 11003110000087895-E0gOiK0elqPC20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:21:32 | 39  | 6622.0000 | XLON | 01003010000089261-E0gOiK0elsyY20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:22:51 | 5   | 6620.0000 | XLON | 01003010000089975-E0gOiK0elure20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:22:51 | 5   | 6620.0000 | XLON | 11003110000090096-E0gOiK0elurT20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:22:51 | 24  | 6620.0000 | XLON | 11003110000090077-E0gOiK0elurM20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:22:51 | 195 | 6620.0000 | XLON | 11003110000090019-E0gOiK0elurC20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:22:51 | 109 | 6620.0000 | XLON | 11003110000090068-E0gOiK0elurK20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:22:51 | 96  | 6620.0000 | XLON | 01003010000089975-E0gOiK0elurG20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:22:51 | 25  | 6620.0000 | XLON | 11003110000090086-E0gOiK0elurO20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:22:51 | 42  | 6620.0000 | XLON | 11003110000090096-E0gOiK0elurQ20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:22:51 | 104 | 6620.0000 | XLON | 11003110000090068-E0gOiK0elurI20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:24:44 | 22  | 6622.0000 | XLON | 11003110000090917-E0gOiK0elvtm20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:24:44 | 71  | 6622.0000 | XLON | 11003110000090917-E0gOiK0elvtk20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:24:44 | 75  | 6622.0000 | XLON | 11003110000090917-E0gOiK0elvtO20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:29:08 | 58  | 6636.0000 | XLON | 11003110000092574-E0gOiK0elyyS20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:29:08 | 38  | 6636.0000 | XLON | 01003010000092530-E0gOiK0elyyK20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:29:08 | 55  | 6636.0000 | XLON | 11003110000092551-E0gOiK0elyyM20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:29:08 | 76  | 6636.0000 | XLON | 11003110000092550-E0gOiK0elyyI20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:29:08 | 80  | 6636.0000 | XLON | 01003010000092529-E0gOiK0elyyG20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:29:43 | 56  | 6634.0000 | XLON | 01003010000092789-E0gOiK0elzTC20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:29:43 | 75  | 6634.0000 | XLON | 01003010000092789-E0gOiK0elzTA20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:30:14 | 53  | 6636.0000 | XLON | 01003010000093062-E0gOiK0eJ0FT20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:30:14 | 8   | 6636.0000 | XLON | 01003010000093062-E0gOiK0eJ0FV20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:30:59 | 59  | 6634.0000 | XLON | 01003010000093374-E0gOiK0eJ0tm20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:30:59 | 75  | 6634.0000 | XLON | 01003010000093374-E0gOiK0eJ0tk20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:33:37 | 37  | 6654.0000 | XLON | 01003010000095128-E0gOiK0eJ5R020191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:33:37 | 61  | 6654.0000 | XLON | 01003010000095128-E0gOiK0eJ5R220191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:33:40 | 47  | 6654.0000 | XLON | 11003110000095233-E0gOiK0eJ5Y120191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:33:40 | 188 | 6654.0000 | XLON | 11003110000095233-E0gOiK0eJ5Y320191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:34:29 | 75  | 6654.0000 | XLON | 01003010000095492-E0gOiK0eJ6Ay20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:34:29 | 27  | 6654.0000 | XLON | 01003010000095492-E0gOiK0eJ6B020191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:34:29 | 93  | 6654.0000 | XLON | 01003010000095492-E0gOiK0eJ6Aw20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:34:33 | 24  | 6654.0000 | XLON | 01003010000095513-E0gOiK0eJ6Cr20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:34:33 | 15  | 6654.0000 | XLON | 01003010000095513-E0gOiK0eJ6Ct20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:35:38 | 45  | 6650.0000 | XLON | 11003110000096269-E0gOiK0eJ8ff20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:35:38 | 128 | 6650.0000 | XLON | 11003110000096269-E0gOiK0eJ8fj20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:35:38 | 75  | 6650.0000 | XLON | 11003110000096269-E0gOiK0eJ8fh20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:36:21 | 44  | 6652.0000 | XLON | 01003010000096585-E0gOiK0eJ9DT20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:38:51 | 37  | 6654.0000 | XLON | 11003110000097979-E0gOiK0eJBNF20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:38:51 | 40  | 6654.0000 | XLON | 01003010000097939-E0gOiK0eJBNB20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:38:51 | 39  | 6654.0000 | XLON | 01003010000097940-E0gOiK0eJBNH20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:38:51 | 39  | 6654.0000 | XLON | 01003010000097937-E0gOiK0eJBMz20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:38:51 | 42  | 6654.0000 | XLON | 01003010000097938-E0gOiK0eJBN520191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:38:51 | 40  | 6654.0000 | XLON | 11003110000097976-E0gOiK0eJBMs20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:38:51 | 1   | 6654.0000 | XLON | 01003010000097938-E0gOiK0eJBN320191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:39:11 | 2   | 6654.0000 | XLON | 11003110000098082-E0gOiK0eJBk120191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:39:11 | 264 | 6654.0000 | XLON | 11003110000098082-E0gOiK0eJBjz20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:39:58 | 279 | 6652.0000 | XLON | 11003110000097773-E0gOiK0eJCCQ20191205  |

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|----------------------------|----------------------|-----|-----------|------|--|
| J.P. Morgan Securities plc | 05-Dec-2019 10:39:58 | 45  | 6652.0000 | XLON | 0100301000097606-E0gOiK0eJCCO20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:42:26 | 28  | 6656.0000 | XLON | 1100311000099003-E0gOiK0eJE6520191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:42:27 | 116 | 6656.0000 | XLON | 1100311000099003-E0gOiK0eJE6a20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:42:27 | 161 | 6656.0000 | XLON | 0100301000099059-E0gOiK0eJE6c20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:43:11 | 169 | 6656.0000 | XLON | 0100301000099232-E0gOiK0eJEW520191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:43:11 | 26  | 6656.0000 | XLON | 0100301000099295-E0gOiK0eJEX920191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:43:12 | 3   | 6656.0000 | XLON | 1100311000099291-E0gOiK0eJEW720191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:43:12 | 127 | 6656.0000 | XLON | 1100311000099291-E0gOiK0eJEX720191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:44:41 | 53  | 6654.0000 | XLON | 0100301000099852-E0gOiK0eJFnd20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:44:41 | 135 | 6654.0000 | XLON | 0100301000099852-E0gOiK0eJFnb20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:44:41 | 13  | 6652.0000 | XLON | 0100301000099781-E0gOiK0eJFo820191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:44:42 | 56  | 6652.0000 | XLON | 0100301000099781-E0gOiK0eJFp820191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 10:47:00 | 72  | 6652.0000 | XLON | 01003010000100408-E0gOiK0eJH1P20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 10:51:32 | 45  | 6652.0000 | XLON | 01003010000102663-E0gOiK0eJKIG20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 10:51:32 | 40  | 6652.0000 | XLON | 01003010000102642-E0gOiK0eJKIA20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 10:51:32 | 40  | 6652.0000 | XLON | 11003110000102725-E0gOiK0eJKI820191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 10:51:32 | 69  | 6652.0000 | XLON | 01003010000102648-E0gOiK0eJKIE20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 10:51:32 | 16  | 6652.0000 | XLON | 11003110000102713-E0gOiK0eJKI620191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 10:51:32 | 37  | 6652.0000 | XLON | 01003010000101895-E0gOiK0eJKHy20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 10:51:32 | 40  | 6652.0000 | XLON | 11003110000102700-E0gOiK0eJKI420191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 10:51:32 | 40  | 6652.0000 | XLON | 01003010000102579-E0gOiK0eJKI220191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 10:51:32 | 63  | 6652.0000 | XLON | 01003010000102645-E0gOiK0eJKIC20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 10:51:32 | 38  | 6652.0000 | XLON | 11003110000102520-E0gOiK0eJKI020191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 10:52:41 | 75  | 6648.0000 | XLON | 01003010000103076-E0gOiK0eJLCj20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 10:52:41 | 111 | 6648.0000 | XLON | 01003010000103076-E0gOiK0eJLCI20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 10:52:41 | 29  | 6648.0000 | XLON | 01003010000103076-E0gOiK0eJLCn20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 10:54:10 | 130 | 6648.0000 | XLON | 11003110000103653-E0gOiK0eJMDK20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 10:54:10 | 26  | 6648.0000 | XLON | 11003110000103653-E0gOiK0eJMDI20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 10:54:10 | 72  | 6648.0000 | XLON | 11003110000103653-E0gOiK0eJMDG20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 10:54:54 | 224 | 6646.0000 | XLON | 11003110000103158-E0gOiK0eJMRT20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 10:55:50 | 125 | 6646.0000 | XLON | 11003110000104195-E0gOiK0eJMyK20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 10:55:50 | 41  | 6646.0000 | XLON | 11003110000104195-E0gOiK0eJMyQ20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 10:55:50 | 37  | 6646.0000 | XLON | 11003110000104195-E0gOiK0eJMyO20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 10:55:50 | 75  | 6646.0000 | XLON | 11003110000104195-E0gOiK0eJMyM20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 10:56:07 | 41  | 6646.0000 | XLON | 01003010000104202-E0gOiK0eJNF520191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 10:56:07 | 75  | 6646.0000 | XLON | 01003010000104202-E0gOiK0eJNF720191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 10:56:11 | 75  | 6646.0000 | XLON | 11003110000104304-E0gOiK0eJNGi20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 10:56:11 | 73  | 6646.0000 | XLON | 11003110000104304-E0gOiK0eJNGg20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 10:57:47 | 39  | 6646.0000 | XLON | 11003110000104833-E0gOiK0eJOGJ20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 10:57:47 | 10  | 6646.0000 | XLON | 11003110000104833-E0gOiK0eJOGI20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 10:58:33 | 29  | 6648.0000 | XLON | 11003110000105109-E0gOiK0eJOn220191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 10:58:33 | 15  | 6648.0000 | XLON | 11003110000105109-E0gOiK0eJOn420191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 10:58:33 | 41  | 6648.0000 | XLON | 11003110000105109-E0gOiK0eJOn020191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 10:58:47 | 38  | 6648.0000 | XLON | 11003110000105199-E0gOiK0eJOrv20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 10:59:55 | 21  | 6646.0000 | XLON | 11003110000104856-E0gOiK0eJPRH20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 10:59:55 | 3   | 6646.0000 | XLON | 11003110000104856-E0gOiK0eJPRM20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 10:59:55 | 133 | 6646.0000 | XLON | 11003110000104856-E0gOiK0eJPRK20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:01:34 | 134 | 6642.0000 | XLON | 01003010000106009-E0gOiK0eJQjT20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:01:34 | 139 | 6642.0000 | XLON | 01003010000106009-E0gOiK0eJQjR20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:01:34 | 75  | 6644.0000 | XLON | 11003110000106233-E0gOiK0eJQji20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:02:11 | 122 | 6640.0000 | XLON | 11003110000106009-E0gOiK0eJR9U20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:03:33 | 122 | 6640.0000 | XLON | 01003010000106832-E0gOiK0eJSce20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:03:33 | 75  | 6640.0000 | XLON | 01003010000106832-E0gOiK0eJScc20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:04:01 | 83  | 6638.0000 | XLON | 11003110000106793-E0gOiK0eJSxR20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:04:49 | 147 | 6640.0000 | XLON | 01003010000107201-E0gOiK0eJTPY20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:04:50 | 114 | 6638.0000 | XLON | 11003110000106793-E0gOiK0eJTQ620191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:06:21 | 37  | 6640.0000 | XLON | 01003010000107755-E0gOiK0eJUXR20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:06:21 | 23  | 6640.0000 | XLON | 01003010000107755-E0gOiK0eJUXT20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:06:35 | 75  | 6640.0000 | XLON | 01003010000107843-E0gOiK0eJUdr20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:08:20 | 56  | 6644.0000 | XLON | 11003110000108581-E0gOiK0eJVIM20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:08:20 | 140 | 6644.0000 | XLON | 11003110000108581-E0gOiK0eJVIO20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:10:11 | 38  | 6646.0000 | XLON | 01003010000109199-E0gOiK0eJXDB20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:12:47 | 4   | 6646.0000 | XLON | 11003110000110261-E0gOiK0eJZ1o20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:12:47 | 17  | 6646.0000 | XLON | 11003110000110261-E0gOiK0eJZ1k20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:12:47 | 33  | 6646.0000 | XLON | 11003110000110261-E0gOiK0eJZ1m20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:14:23 | 90  | 6646.0000 | XLON | 01003010000110868-E0gOiK0eJa6020191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:14:23 | 75  | 6646.0000 | XLON | 01003010000110868-E0gOiK0eJa6220191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:14:33 | 76  | 6646.0000 | XLON | 01003010000110899-E0gOiK0eJaD820191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:16:04 | 144 | 6652.0000 | XLON | 01003010000111441-E0gOiK0eJb7620191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:16:04 | 38  | 6652.0000 | XLON | 01003010000111442-E0gOiK0eJb7C20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:16:04 | 38  | 6652.0000 | XLON | 01003010000111518-E0gOiK0eJb7I20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:16:04 | 11  | 6652.0000 | XLON | 11003110000111509-E0gOiK0eJb7A20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:16:04 | 30  | 6652.0000 | XLON | 11003110000111509-E0gOiK0eJb7820191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:17:15 | 33  | 6652.0000 | XLON | 01003010000112322-E0gOiK0eJc3s20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:17:15 | 75  | 6652.0000 | XLON | 01003010000112322-E0gOiK0eJc3o20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:17:15 | 37  | 6652.0000 | XLON | 01003010000112322-E0gOiK0eJc3q20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:17:19 | 42  | 6652.0000 | XLON | 01003010000112356-E0gOiK0eJc9520191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:19:59 | 83  | 6652.0000 | XLON | 11003110000113607-E0gOiK0eJeEH20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:19:59 | 37  | 6652.0000 | XLON | 01003010000113160-E0gOiK0eJeEF20191205 |

|                            |                      |     |           |      |  |
|----------------------------|----------------------|-----|-----------|------|--|
| J.P. Morgan Securities plc | 05-Dec-2019 11:19:59 | 186 | 6652.0000 | XLON | 11003110000113051-E0gOiK0eJeE120191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:20:52 | 142 | 6654.0000 | XLON | 01003010000114172-E0gOiK0eJetS20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:20:52 | 71  | 6654.0000 | XLON | 11003110000114201-E0gOiK0eJetU20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:22:22 | 75  | 6652.0000 | XLON | 11003110000115160-E0gOiK0eJgBv20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:22:22 | 130 | 6652.0000 | XLON | 11003110000115160-E0gOiK0eJgBx20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:25:02 | 5   | 6654.0000 | XLON | 01003010000116543-E0gOiK0eJhrx20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:25:02 | 110 | 6654.0000 | XLON | 11003110000116596-E0gOiK0eJhs720191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:25:02 | 32  | 6654.0000 | XLON | 01003010000116530-E0gOiK0eJhrv20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:25:02 | 124 | 6654.0000 | XLON | 01003010000116525-E0gOiK0eJhrB20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:25:02 | 106 | 6654.0000 | XLON | 01003010000115987-E0gOiK0eJhr520191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:25:02 | 2   | 6654.0000 | XLON | 01003010000116530-E0gOiK0eJhrD20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:25:02 | 78  | 6654.0000 | XLON | 01003010000115937-E0gOiK0eJhr120191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:25:02 | 57  | 6654.0000 | XLON | 11003110000116002-E0gOiK0eJhr320191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:25:03 | 1   | 6654.0000 | XLON | 01003010000116564-E0gOiK0eJhrz20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:25:03 | 24  | 6654.0000 | XLON | 01003010000116575-E0gOiK0eJhs320191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:25:03 | 44  | 6654.0000 | XLON | 11003110000116593-E0gOiK0eJhs520191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:26:07 | 52  | 6654.0000 | XLON | 11003110000117132-E0gOiK0eJih920191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:26:21 | 67  | 6654.0000 | XLON | 01003010000117245-E0gOiK0eJiyM20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:28:01 | 50  | 6654.0000 | XLON | 11003110000118060-E0gOiK0eJkBH20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:28:01 | 127 | 6654.0000 | XLON | 11003110000117837-E0gOiK0eJkBF20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:28:04 | 87  | 6654.0000 | XLON | 11003110000118164-E0gOiK0eJkEG20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:28:04 | 12  | 6654.0000 | XLON | 11003110000118164-E0gOiK0eJkEI20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:28:04 | 120 | 6654.0000 | XLON | 01003010000118153-E0gOiK0eJkEO20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:28:04 | 21  | 6654.0000 | XLON | 11003110000118164-E0gOiK0eJkEK20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:28:04 | 17  | 6654.0000 | XLON | 11003110000118164-E0gOiK0eJkEM20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:28:04 | 24  | 6654.0000 | XLON | 11003110000118060-E0gOiK0eJkEE20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:28:04 | 33  | 6654.0000 | XLON | 11003110000118060-E0gOiK0eJkEC20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:30:08 | 13  | 6650.0000 | XLON | 01003010000119176-E0gOiK0eJlfY20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:30:08 | 128 | 6650.0000 | XLON | 01003010000119176-E0gOiK0eJlfW20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:30:08 | 75  | 6650.0000 | XLON | 01003010000119176-E0gOiK0eJlfU20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:31:07 | 227 | 6648.0000 | XLON | 01003010000118802-E0gOiK0eJmrl20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:31:07 | 47  | 6650.0000 | XLON | 01003010000119736-E0gOiK0eJmqe20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:31:07 | 80  | 6648.0000 | XLON | 01003010000118802-E0gOiK0eJmrl20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:31:07 | 37  | 6650.0000 | XLON | 01003010000119736-E0gOiK0eJmqg20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:31:07 | 166 | 6650.0000 | XLON | 01003010000119736-E0gOiK0eJmqc20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:35:37 | 10  | 6652.0000 | XLON | 11003110000121636-E0gOiK0eJqSo20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:35:37 | 75  | 6652.0000 | XLON | 11003110000121636-E0gOiK0eJqSm20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:35:37 | 92  | 6652.0000 | XLON | 11003110000121636-E0gOiK0eJqSk20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:35:51 | 80  | 6652.0000 | XLON | 11003110000121698-E0gOiK0eJqZZ20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:36:07 | 15  | 6652.0000 | XLON | 01003010000121790-E0gOiK0eJqjD20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:36:50 | 204 | 6652.0000 | XLON | 11003110000122072-E0gOiK0eJr7j20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:38:00 | 21  | 6652.0000 | XLON | 01003010000122468-E0gOiK0eJru020191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:38:00 | 43  | 6652.0000 | XLON | 01003010000122468-E0gOiK0eJrty20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:39:08 | 104 | 6650.0000 | XLON | 11003110000122518-E0gOiK0eJrYL20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:42:44 | 158 | 6646.0000 | XLON | 11003110000123013-E0gOiK0eJumA20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:42:44 | 2   | 6648.0000 | XLON | 11003110000124251-E0gOiK0eJull20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:42:44 | 81  | 6648.0000 | XLON | 11003110000124251-E0gOiK0eJulk20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:42:44 | 216 | 6648.0000 | XLON | 01003010000124236-E0gOiK0eJulM20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:42:44 | 200 | 6648.0000 | XLON | 01003010000124151-E0gOiK0eJul620191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:42:44 | 132 | 6648.0000 | XLON | 01003010000124151-E0gOiK0eJul820191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:44:32 | 148 | 6644.0000 | XLON | 11003110000124283-E0gOiK0eJvwx20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:44:32 | 8   | 6644.0000 | XLON | 11003110000124283-E0gOiK0eJvwz20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:46:29 | 174 | 6642.0000 | XLON | 01003010000125716-E0gOiK0eJxZz20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:49:03 | 150 | 6642.0000 | XLON | 01003010000127513-E0gOiK0eJzPa20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:49:13 | 23  | 6642.0000 | XLON | 01003010000127618-E0gOiK0eJzS820191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:49:13 | 62  | 6642.0000 | XLON | 01003010000127618-E0gOiK0eJzSA20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:50:08 | 65  | 6642.0000 | XLON | 11003110000128041-E0gOiK0eK01620191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:50:08 | 74  | 6642.0000 | XLON | 11003110000128041-E0gOiK0eK01420191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:50:08 | 65  | 6642.0000 | XLON | 11003110000128041-E0gOiK0eK01820191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:50:08 | 11  | 6642.0000 | XLON | 11003110000128041-E0gOiK0eK01220191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:51:07 | 46  | 6642.0000 | XLON | 01003010000128597-E0gOiK0eK0bZ20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:51:07 | 12  | 6642.0000 | XLON | 01003010000128597-E0gOiK0eK0bX20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:52:43 | 31  | 6642.0000 | XLON | 11003110000129200-E0gOiK0eK1qp20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:52:43 | 123 | 6642.0000 | XLON | 11003110000129308-E0gOiK0eK1qr20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:52:43 | 148 | 6642.0000 | XLON | 01003010000128692-E0gOiK0eK1qn20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:52:47 | 27  | 6642.0000 | XLON | 11003110000129346-E0gOiK0eK1y020191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:52:47 | 37  | 6642.0000 | XLON | 11003110000129346-E0gOiK0eK1xy20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:54:46 | 149 | 6640.0000 | XLON | 01003010000126037-E0gOiK0eK3TN20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:56:21 | 39  | 6640.0000 | XLON | 01003010000131373-E0gOiK0eK4Ty20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 11:56:21 | 157 | 6640.0000 | XLON | 01003010000131373-E0gOiK0eK4U020191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:02:18 | 201 | 6642.0000 | XLON | 01003010000136385-E0gOiK0eKB2g20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:02:18 | 37  | 6642.0000 | XLON | 11003110000136453-E0gOiK0eKB2i20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:02:19 | 211 | 6642.0000 | XLON | 01003010000136417-E0gOiK0eKBAY20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:02:19 | 40  | 6642.0000 | XLON | 11003110000136488-E0gOiK0eKBAa20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:03:59 | 158 | 6634.0000 | XLON | 11003110000137475-E0gOiK0eKEsn20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:04:41 | 28  | 6636.0000 | XLON | 01003010000137772-E0gOiK0eKFsR20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:04:41 | 48  | 6636.0000 | XLON | 01003010000137772-E0gOiK0eKFsP20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:04:51 | 17  | 6634.0000 | XLON | 11003110000137761-E0gOiK0eKG2Z20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:04:51 | 59  | 6634.0000 | XLON | 11003110000137761-E0gOiK0eKG2X20191205 |

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|----------------------------|----------------------|-----|-----------|------|--|
| J.P. Morgan Securities plc | 05-Dec-2019 12:04:51 | 86  | 6634.0000 | XLON | 01003010000137591-E0gOiK0eKG2T20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:04:51 | 13  | 6634.0000 | XLON | 01003010000137591-E0gOiK0eKG2R20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:08:46 | 38  | 6642.0000 | XLON | 01003010000139539-E0gOiK0eKJQC20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:08:46 | 4   | 6642.0000 | XLON | 11003110000139600-E0gOiK0eKJPr20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:08:46 | 75  | 6642.0000 | XLON | 11003110000139600-E0gOiK0eKJPm20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:08:46 | 68  | 6642.0000 | XLON | 11003110000139602-E0gOiK0eKJQA20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:08:46 | 62  | 6642.0000 | XLON | 11003110000139601-E0gOiK0eKJPw20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:08:46 | 34  | 6642.0000 | XLON | 01003010000139538-E0gOiK0eKJQ620191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:08:46 | 19  | 6642.0000 | XLON | 01003010000139538-E0gOiK0eKJQ820191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:08:46 | 85  | 6642.0000 | XLON | 01003010000139534-E0gOiK0eKJPI20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:10:09 | 222 | 6638.0000 | XLON | 01003010000139952-E0gOiK0eKKiU20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:10:09 | 12  | 6638.0000 | XLON | 01003010000139952-E0gOiK0eKKiX20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:10:49 | 221 | 6636.0000 | XLON | 11003110000140049-E0gOiK0eKL2f20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:12:04 | 35  | 6634.0000 | XLON | 01003010000140433-E0gOiK0eKLod20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:12:04 | 97  | 6634.0000 | XLON | 01003010000140433-E0gOiK0eKLoh20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:12:04 | 75  | 6634.0000 | XLON | 01003010000140433-E0gOiK0eKLof20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:12:18 | 75  | 6634.0000 | XLON | 11003110000140662-E0gOiK0eKM9T20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:12:18 | 69  | 6634.0000 | XLON | 11003110000140662-E0gOiK0eKM9R20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:12:56 | 102 | 6630.0000 | XLON | 01003010000140380-E0gOiK0eKMuF20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:12:56 | 154 | 6632.0000 | XLON | 11003110000140469-E0gOiK0eKMtO20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:15:46 | 2   | 6634.0000 | XLON | 01003010000141607-E0gOiK0eKOvu20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:15:46 | 200 | 6634.0000 | XLON | 01003010000141607-E0gOiK0eKOvy20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:15:46 | 46  | 6634.0000 | XLON | 01003010000141607-E0gOiK0eKOw020191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:15:46 | 13  | 6634.0000 | XLON | 01003010000141607-E0gOiK0eKOvw20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:17:19 | 107 | 6634.0000 | XLON | 01003010000142101-E0gOiK0eKPhD20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:17:19 | 75  | 6634.0000 | XLON | 01003010000142101-E0gOiK0eKPhB20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:18:01 | 237 | 6632.0000 | XLON | 11003110000141666-E0gOiK0eKQHT20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:18:01 | 41  | 6632.0000 | XLON | 11003110000141666-E0gOiK0eKQHV20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:18:59 | 75  | 6632.0000 | XLON | 11003110000142678-E0gOiK0eKR5e20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:20:33 | 31  | 6630.0000 | XLON | 01003010000142594-E0gOiK0eKSBn20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:20:33 | 12  | 6630.0000 | XLON | 01003010000142594-E0gOiK0eKSbp20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:21:20 | 111 | 6630.0000 | XLON | 11003110000143446-E0gOiK0eKSjk20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:21:20 | 29  | 6630.0000 | XLON | 11003110000143446-E0gOiK0eKSjo20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:21:20 | 75  | 6630.0000 | XLON | 11003110000143446-E0gOiK0eKSji20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:21:20 | 10  | 6630.0000 | XLON | 11003110000143446-E0gOiK0eKSjm20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:22:20 | 153 | 6628.0000 | XLON | 01003010000143159-E0gOiK0eKTMX20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:23:20 | 71  | 6630.0000 | XLON | 01003010000144055-E0gOiK0eKU3F20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:27:07 | 26  | 6634.0000 | XLON | 01003010000145148-E0gOiK0eKWNB20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:27:07 | 30  | 6634.0000 | XLON | 01003010000145148-E0gOiK0eKWN920191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:27:07 | 75  | 6634.0000 | XLON | 01003010000145148-E0gOiK0eKWN720191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:28:40 | 24  | 6632.0000 | XLON | 01003010000145534-E0gOiK0eKXRQ20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:28:40 | 26  | 6632.0000 | XLON | 01003010000145534-E0gOiK0eKXRO20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:28:40 | 75  | 6632.0000 | XLON | 01003010000145534-E0gOiK0eKXRM20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:29:44 | 53  | 6632.0000 | XLON | 11003110000145945-E0gOiK0eKY5a20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:29:44 | 62  | 6634.0000 | XLON | 11003110000145945-E0gOiK0eKY5c20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:29:44 | 75  | 6632.0000 | XLON | 11003110000145945-E0gOiK0eKY5Y20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:31:00 | 75  | 6632.0000 | XLON | 11003110000146320-E0gOiK0eKZCH20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:31:00 | 50  | 6632.0000 | XLON | 11003110000146320-E0gOiK0eKZCJ20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:31:21 | 51  | 6632.0000 | XLON | 11003110000146393-E0gOiK0eKZNx20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:32:19 | 75  | 6632.0000 | XLON | 11003110000146753-E0gOiK0eKZwr20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:32:32 | 66  | 6632.0000 | XLON | 11003110000146839-E0gOiK0eKa3o20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:32:32 | 58  | 6632.0000 | XLON | 11003110000146839-E0gOiK0eKa3m20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:35:12 | 43  | 6632.0000 | XLON | 01003010000148078-E0gOiK0eKbq720191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:35:12 | 34  | 6632.0000 | XLON | 11003110000148083-E0gOiK0eKbq020191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:35:12 | 42  | 6632.0000 | XLON | 11003110000148143-E0gOiK0eKbq520191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:35:12 | 14  | 6632.0000 | XLON | 11003110000148083-E0gOiK0eKbq320191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:35:12 | 50  | 6632.0000 | XLON | 01003010000148134-E0gOiK0eKbqB20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:35:12 | 52  | 6632.0000 | XLON | 11003110000148199-E0gOiK0eKbq920191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:35:30 | 42  | 6632.0000 | XLON | 11003110000148369-E0gOiK0eKcCv20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:35:30 | 23  | 6632.0000 | XLON | 11003110000148369-E0gOiK0eKcCt20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:35:30 | 75  | 6632.0000 | XLON | 11003110000148369-E0gOiK0eKcCx20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:35:30 | 35  | 6632.0000 | XLON | 11003110000148369-E0gOiK0eKcCz20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:37:26 | 40  | 6630.0000 | XLON | 01003010000149179-E0gOiK0eKdik20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:37:26 | 40  | 6630.0000 | XLON | 01003010000149228-E0gOiK0eKdjl20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:37:26 | 37  | 6630.0000 | XLON | 11003110000149327-E0gOiK0eKdjP20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:37:26 | 70  | 6630.0000 | XLON | 01003010000149291-E0gOiK0eKdje20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:37:26 | 258 | 6630.0000 | XLON | 11003110000149289-E0gOiK0eKdio20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:37:26 | 23  | 6630.0000 | XLON | 11003110000149289-E0gOiK0eKdjf20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:37:26 | 41  | 6630.0000 | XLON | 11003110000149378-E0gOiK0eKdjT20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:37:26 | 1   | 6630.0000 | XLON | 11003110000149276-E0gOiK0eKdim20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:37:26 | 46  | 6630.0000 | XLON | 11003110000149369-E0gOiK0eKdjR20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:37:26 | 40  | 6630.0000 | XLON | 01003010000149290-E0gOiK0eKdjC20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:41:41 | 78  | 6630.0000 | XLON | 11003110000150966-E0gOiK0eKgFF20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:41:41 | 37  | 6630.0000 | XLON | 11003110000150913-E0gOiK0eKgFD20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:41:41 | 95  | 6630.0000 | XLON | 11003110000150979-E0gOiK0eKgFH20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:43:00 | 52  | 6632.0000 | XLON | 01003010000151646-E0gOiK0eKh0f20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:43:00 | 21  | 6632.0000 | XLON | 01003010000151646-E0gOiK0eKh0b20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:43:00 | 30  | 6632.0000 | XLON | 01003010000151646-E0gOiK0eKh0d20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 12:43:40 | 7   | 6634.0000 | XLON | 11003110000151940-E0gOiK0eKhRp20191205 |



|                            |                      |     |           |      |   |
|----------------------------|----------------------|-----|-----------|------|---|
| J.P. Morgan Securities plc | 05-Dec-2019 12:43:40 | 60  | 6634.0000 | XLON | 11003110000151940-E0gOiK0eKhRn20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 12:43:40 | 113 | 6634.0000 | XLON | 01003010000151903-E0gOiK0eKhRr20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 12:47:49 | 39  | 6636.0000 | XLON | 11003110000154262-E0gOiK0eKI2Y20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 12:47:49 | 39  | 6636.0000 | XLON | 01003010000154184-E0gOiK0eKI2W20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 12:47:49 | 38  | 6636.0000 | XLON | 11003110000154263-E0gOiK0eKI2c20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 12:47:49 | 38  | 6636.0000 | XLON | 01003010000154187-E0gOiK0eKI2a20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 12:47:49 | 37  | 6636.0000 | XLON | 01003010000154188-E0gOiK0eKI2e20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 12:47:49 | 84  | 6636.0000 | XLON | 11003110000154607-E0gOiK0eKI2w20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 12:47:49 | 7   | 6636.0000 | XLON | 11003110000154607-E0gOiK0eKI2y20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 12:47:49 | 78  | 6636.0000 | XLON | 11003110000154620-E0gOiK0eKI3020191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 12:47:49 | 37  | 6636.0000 | XLON | 11003110000154264-E0gOiK0eKI2g20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 12:47:50 | 90  | 6636.0000 | XLON | 11003110000154739-E0gOiK0eKI3O20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 12:47:50 | 37  | 6636.0000 | XLON | 11003110000154739-E0gOiK0eKI3Q20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 12:47:50 | 72  | 6636.0000 | XLON | 11003110000154739-E0gOiK0eKI3S20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 12:49:06 | 6   | 6636.0000 | XLON | 01003010000155361-E0gOiK0eKltG20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 12:49:06 | 166 | 6636.0000 | XLON | 01003010000155361-E0gOiK0eKltI20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 12:49:06 | 22  | 6636.0000 | XLON | 01003010000155361-E0gOiK0eKltK20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 12:50:30 | 6   | 6636.0000 | XLON | 11003110000156126-E0gOiK0eKmfC20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 12:50:30 | 18  | 6636.0000 | XLON | 11003110000156126-E0gOiK0eKmfA20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 12:50:30 | 82  | 6636.0000 | XLON | 11003110000156126-E0gOiK0eKmfW20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 12:50:30 | 15  | 6636.0000 | XLON | 11003110000156126-E0gOiK0eKmfY20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 12:50:30 | 124 | 6636.0000 | XLON | 11003110000156126-E0gOiK0eKmfE20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 12:52:09 | 147 | 6638.0000 | XLON | 01003010000156306-E0gOiK0eKo1B20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 12:56:19 | 244 | 6650.0000 | XLON | 11003110000159455-E0gOiK0eKql820191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 12:56:19 | 75  | 6650.0000 | XLON | 11003110000159455-E0gOiK0eKql620191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 12:56:20 | 75  | 6650.0000 | XLON | 01003010000159459-E0gOiK0eKqlH20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 12:58:02 | 50  | 6654.0000 | XLON | 01003010000160379-E0gOiK0eKrdw20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 12:58:02 | 75  | 6654.0000 | XLON | 01003010000160379-E0gOiK0eKrdy20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 12:58:02 | 21  | 6654.0000 | XLON | 01003010000160379-E0gOiK0eKrdU20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 12:58:02 | 126 | 6654.0000 | XLON | 01003010000160379-E0gOiK0eKre020191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 12:58:04 | 75  | 6654.0000 | XLON | 01003010000160405-E0gOiK0eKrez20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 12:58:04 | 79  | 6654.0000 | XLON | 01003010000160405-E0gOiK0eKrf120191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 12:58:04 | 19  | 6654.0000 | XLON | 01003010000160405-E0gOiK0eKrf320191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 12:59:18 | 30  | 6652.0000 | XLON | 11003110000161206-E0gOiK0eKsTE20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 12:59:18 | 38  | 6652.0000 | XLON | 11003110000161206-E0gOiK0eKsTC20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 12:59:18 | 50  | 6652.0000 | XLON | 11003110000161206-E0gOiK0eKsTI20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 12:59:18 | 56  | 6652.0000 | XLON | 11003110000161206-E0gOiK0eKsTG20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 13:00:33 | 66  | 6650.0000 | XLON | 01003010000161941-E0gOiK0eKtZL20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 13:00:33 | 75  | 6650.0000 | XLON | 01003010000161941-E0gOiK0eKtZJ20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 13:00:33 | 15  | 6652.0000 | XLON | 01003010000161941-E0gOiK0eKtZP20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 13:00:33 | 40  | 6650.0000 | XLON | 01003010000161941-E0gOiK0eKtZN20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 13:01:55 | 75  | 6642.0000 | XLON | 11003110000162835-E0gOiK0eKv8k20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 13:03:25 | 87  | 6642.0000 | XLON | 11003110000163288-E0gOiK0eKwcd20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 13:03:25 | 117 | 6642.0000 | XLON | 11003110000163288-E0gOiK0eKwca20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 13:03:25 | 49  | 6642.0000 | XLON | 11003110000163717-E0gOiK0eKwccg20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 13:03:25 | 74  | 6642.0000 | XLON | 01003010000163286-E0gOiK0eKwcc20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 13:03:25 | 185 | 6642.0000 | XLON | 01003010000163667-E0gOiK0eKwce20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 13:03:25 | 76  | 6642.0000 | XLON | 01003010000163783-E0gOiK0eKwci20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 13:05:05 | 31  | 6640.0000 | XLON | 11003110000164950-E0gOiK0eKyNr20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 13:05:05 | 30  | 6640.0000 | XLON | 11003110000164950-E0gOiK0eKyNn20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 13:05:05 | 166 | 6640.0000 | XLON | 11003110000164950-E0gOiK0eKyNp20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 13:06:13 | 86  | 6640.0000 | XLON | 01003010000165060-E0gOiK0eKynu20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 13:06:17 | 85  | 6638.0000 | XLON | 01003010000163522-E0gOiK0eKywM20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 13:07:12 | 121 | 6638.0000 | XLON | 11003110000166330-E0gOiK0eL0Hm20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 13:07:12 | 29  | 6638.0000 | XLON | 11003110000166330-E0gOiK0eL0Hi20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 13:07:12 | 46  | 6638.0000 | XLON | 11003110000166330-E0gOiK0eL0Hk20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 13:10:06 | 152 | 6640.0000 | XLON | 01003010000167334-E0gOiK0eL2dV20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 13:10:06 | 62  | 6640.0000 | XLON | 01003010000167617-E0gOiK0eL2dX20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 13:10:06 | 161 | 6640.0000 | XLON | 01003010000167892-E0gOiK0eL2dZ20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 13:10:06 | 6   | 6640.0000 | XLON | 01003010000167892-E0gOiK0eL2db20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 13:12:34 | 98  | 6642.0000 | XLON | 01003010000169587-E0gOiK0eL4rl20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 13:12:34 | 1   | 6640.0000 | XLON | 01003010000169008-E0gOiK0eL4s520191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 13:12:34 | 75  | 6642.0000 | XLON | 01003010000169587-E0gOiK0eL4rn20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 13:12:34 | 40  | 6640.0000 | XLON | 01003010000169008-E0gOiK0eL4s120191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 13:12:34 | 200 | 6640.0000 | XLON | 01003010000169008-E0gOiK0eL4s320191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 13:13:19 | 54  | 6640.0000 | XLON | 11003110000169736-E0gOiK0eL58H20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 13:15:55 | 22  | 6642.0000 | XLON | 01003010000171365-E0gOiK0eL6jz20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 13:16:08 | 1   | 6642.0000 | XLON | 01003010000171486-E0gOiK0eL6tH20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 13:17:41 | 43  | 6644.0000 | XLON | 11003110000172588-E0gOiK0eL7hu20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 13:17:42 | 116 | 6644.0000 | XLON | 11003110000172603-E0gOiK0eL7j020191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 13:17:42 | 25  | 6644.0000 | XLON | 11003110000172603-E0gOiK0eL7j420191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 13:17:42 | 75  | 6644.0000 | XLON | 11003110000172603-E0gOiK0eL7j220191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 13:18:26 | 114 | 6644.0000 | XLON | 11003110000173017-E0gOiK0eL88e20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 13:18:26 | 25  | 6644.0000 | XLON | 11003110000173017-E0gOiK0eL88i20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 13:18:26 | 75  | 6644.0000 | XLON | 11003110000173017-E0gOiK0eL88g20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 13:19:21 | 53  | 6642.0000 | XLON | 01003010000172582-E0gOiK0eL8aT20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 13:19:21 | 33  | 6642.0000 | XLON | 01003010000172582-E0gOiK0eL8aR20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 13:21:33 | 95  | 6640.0000 | XLON | 01003010000174932-E0gOiK0eLAYM20191205  |
| J.P. Morgan Securities plc | 05-Dec-2019 13:21:33 | 18  | 6640.0000 | XLON | 11003110000175019-E0gOiK0eLAZ220191205  |



|                            |                      |     |           |      |  |
|----------------------------|----------------------|-----|-----------|------|--|
| J.P. Morgan Securities plc | 05-Dec-2019 13:54:57 | 65  | 6650.0000 | XLON | 11003110000189578-E0gOiK0eLedI20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 13:54:57 | 13  | 6650.0000 | XLON | 11003110000189578-E0gOiK0eLedC20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 13:54:57 | 22  | 6650.0000 | XLON | 11003110000189578-E0gOiK0eLedK20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 13:54:57 | 39  | 6650.0000 | XLON | 11003110000189578-E0gOiK0eLedG20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 13:54:57 | 36  | 6650.0000 | XLON | 11003110000189578-E0gOiK0eLedM20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 13:55:44 | 66  | 6650.0000 | XLON | 11003110000189883-E0gOiK0eLf7q20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 13:56:53 | 144 | 6648.0000 | XLON | 01003010000189858-E0gOiK0eLfs220191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 13:58:45 | 75  | 6652.0000 | XLON | 11003110000191033-E0gOiK0eLhX820191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 13:58:45 | 16  | 6652.0000 | XLON | 11003110000191033-E0gOiK0eLhXA20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:00:16 | 88  | 6646.0000 | XLON | 01003010000191088-E0gOiK0eLjBG20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:00:56 | 185 | 6648.0000 | XLON | 01003010000191885-E0gOiK0eLjml20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:00:56 | 77  | 6648.0000 | XLON | 11003110000191943-E0gOiK0eLjmE20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:01:48 | 269 | 6646.0000 | XLON | 01003010000191785-E0gOiK0eLklS20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:01:48 | 124 | 6646.0000 | XLON | 01003010000191785-E0gOiK0eLklO20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:02:50 | 166 | 6644.0000 | XLON | 01003010000192628-E0gOiK0eLlVW20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:02:50 | 75  | 6644.0000 | XLON | 01003010000192628-E0gOiK0eLlVa20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:02:50 | 22  | 6644.0000 | XLON | 01003010000192628-E0gOiK0eLlVY20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:02:50 | 124 | 6644.0000 | XLON | 01003010000192628-E0gOiK0eLlVU20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:03:17 | 178 | 6642.0000 | XLON | 01003010000192465-E0gOiK0eLltM20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:05:44 | 35  | 6644.0000 | XLON | 01003010000193726-E0gOiK0eLnl620191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:05:44 | 174 | 6642.0000 | XLON | 11003110000193169-E0gOiK0eLnlC20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:05:44 | 75  | 6644.0000 | XLON | 01003010000193726-E0gOiK0eLnl420191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:05:44 | 73  | 6644.0000 | XLON | 01003010000193726-E0gOiK0eLnl220191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:08:04 | 73  | 6638.0000 | XLON | 11003110000194743-E0gOiK0eLqLI20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:08:04 | 20  | 6638.0000 | XLON | 11003110000194743-E0gOiK0eLqLQ20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:08:04 | 26  | 6638.0000 | XLON | 11003110000194743-E0gOiK0eLqLM20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:08:04 | 166 | 6638.0000 | XLON | 11003110000194743-E0gOiK0eLqLK20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:08:04 | 43  | 6638.0000 | XLON | 11003110000194743-E0gOiK0eLqLO20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:09:53 | 42  | 6642.0000 | XLON | 11003110000195256-E0gOiK0eLrW420191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:11:24 | 46  | 6644.0000 | XLON | 01003010000195734-E0gOiK0eLso620191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:11:24 | 13  | 6644.0000 | XLON | 01003010000195734-E0gOiK0eLsoA20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:11:24 | 166 | 6644.0000 | XLON | 01003010000195734-E0gOiK0eLso820191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:11:24 | 41  | 6644.0000 | XLON | 01003010000195734-E0gOiK0eLso420191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:14:35 | 38  | 6648.0000 | XLON | 11003110000197221-E0gOiK0eLv5i20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:14:35 | 52  | 6648.0000 | XLON | 01003010000197127-E0gOiK0eLv5g20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:14:36 | 49  | 6648.0000 | XLON | 11003110000197057-E0gOiK0eLv5S20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:14:36 | 38  | 6648.0000 | XLON | 01003010000197064-E0gOiK0eLv5c20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:15:28 | 211 | 6644.0000 | XLON | 01003010000197930-E0gOiK0eLvxy20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:16:23 | 1   | 6644.0000 | XLON | 01003010000197930-E0gOiK0eLwZ420191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:16:39 | 152 | 6644.0000 | XLON | 01003010000198825-E0gOiK0eLwjT20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:16:39 | 75  | 6644.0000 | XLON | 01003010000198825-E0gOiK0eLwjR20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:20:03 | 38  | 6648.0000 | XLON | 11003110000200621-E0gOiK0eLzRL20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:20:03 | 37  | 6648.0000 | XLON | 01003010000200588-E0gOiK0eLzRN20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:20:03 | 159 | 6648.0000 | XLON | 01003010000200887-E0gOiK0eLzRP20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:20:04 | 75  | 6648.0000 | XLON | 11003110000201135-E0gOiK0eLzSR20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:20:04 | 37  | 6648.0000 | XLON | 11003110000201135-E0gOiK0eLzST20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:20:18 | 207 | 6650.0000 | XLON | 01003010000201267-E0gOiK0eLzh820191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:20:59 | 35  | 6646.0000 | XLON | 11003110000201630-E0gOiK0eM07220191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:20:59 | 118 | 6646.0000 | XLON | 11003110000201630-E0gOiK0eM07420191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:20:59 | 75  | 6646.0000 | XLON | 11003110000201630-E0gOiK0eM07020191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:22:14 | 48  | 6646.0000 | XLON | 11003110000202502-E0gOiK0eM11L20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:25:59 | 146 | 6646.0000 | XLON | 01003010000204287-E0gOiK0eM4LN20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:25:59 | 88  | 6646.0000 | XLON | 01003010000204287-E0gOiK0eM4LP20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:25:59 | 40  | 6646.0000 | XLON | 11003110000205320-E0gOiK0eM4Lb20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:25:59 | 49  | 6646.0000 | XLON | 11003110000205771-E0gOiK0eM4Ln20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:25:59 | 10  | 6646.0000 | XLON | 01003010000205723-E0gOiK0eM4Lh20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:25:59 | 49  | 6646.0000 | XLON | 01003010000205740-E0gOiK0eM4Li20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:25:59 | 48  | 6646.0000 | XLON | 11003110000205304-E0gOiK0eM4LZ20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:25:59 | 38  | 6646.0000 | XLON | 01003010000204791-E0gOiK0eM4LX20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:25:59 | 38  | 6646.0000 | XLON | 11003110000204814-E0gOiK0eM4LV20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:25:59 | 49  | 6646.0000 | XLON | 11003110000205767-E0gOiK0eM4Lj20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:25:59 | 48  | 6646.0000 | XLON | 11003110000205772-E0gOiK0eM4Lp20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:25:59 | 3   | 6646.0000 | XLON | 11003110000205772-E0gOiK0eM4Lt20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:25:59 | 184 | 6646.0000 | XLON | 01003010000204296-E0gOiK0eM4LR20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:25:59 | 61  | 6646.0000 | XLON | 11003110000205780-E0gOiK0eM4Lv20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:25:59 | 40  | 6646.0000 | XLON | 01003010000205799-E0gOiK0eM4Lx20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:25:59 | 49  | 6646.0000 | XLON | 01003010000205705-E0gOiK0eM4Lf20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:26:51 | 49  | 6642.0000 | XLON | 01003010000205813-E0gOiK0eM5N820191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:27:24 | 30  | 6642.0000 | XLON | 01003010000206693-E0gOiK0eM5np20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:27:24 | 75  | 6642.0000 | XLON | 01003010000206693-E0gOiK0eM5nn20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:27:24 | 166 | 6642.0000 | XLON | 01003010000206693-E0gOiK0eM5nt20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:27:24 | 87  | 6642.0000 | XLON | 01003010000206693-E0gOiK0eM5nr20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:27:24 | 19  | 6642.0000 | XLON | 01003010000206693-E0gOiK0eM5nv20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:27:54 | 189 | 6644.0000 | XLON | 11003110000206855-E0gOiK0eM6Ky20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:29:04 | 61  | 6640.0000 | XLON | 11003110000207455-E0gOiK0eM7ZI20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:30:22 | 260 | 6646.0000 | XLON | 11003110000207746-E0gOiK0eM9nb20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:30:22 | 48  | 6646.0000 | XLON | 01003010000207715-E0gOiK0eM9nd20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:30:22 | 52  | 6646.0000 | XLON | 01003010000208045-E0gOiK0eM9nl20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:30:23 | 125 | 6646.0000 | XLON | 11003110000207880-E0gOiK0eM9nh20191205 |

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|----------------------------|----------------------|-----|-----------|------|--|
| J.P. Morgan Securities plc | 05-Dec-2019 14:30:24 | 190 | 6644.0000 | XLON | 11003110000207670-E0gOiK0eMA5U20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:30:58 | 56  | 6644.0000 | XLON | 01003010000208475-E0gOiK0eMBIm20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:30:58 | 59  | 6644.0000 | XLON | 01003010000208475-E0gOiK0eMBIk20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:30:58 | 47  | 6644.0000 | XLON | 01003010000208475-E0gOiK0eMBIo20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:32:12 | 176 | 6642.0000 | XLON | 01003010000208343-E0gOiK0eMDC720191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:32:41 | 132 | 6638.0000 | XLON | 11003110000209219-E0gOiK0eME4I20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:32:41 | 54  | 6638.0000 | XLON | 01003010000209222-E0gOiK0eME4j20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:32:41 | 14  | 6638.0000 | XLON | 11003110000209361-E0gOiK0eME4n20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:32:41 | 192 | 6638.0000 | XLON | 01003010000209222-E0gOiK0eME4g20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:32:41 | 56  | 6638.0000 | XLON | 11003110000209361-E0gOiK0eME4q20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:35:19 | 75  | 6636.0000 | XLON | 11003110000211381-E0gOiK0eMHgF20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:35:19 | 85  | 6636.0000 | XLON | 11003110000211381-E0gOiK0eMHgH20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:35:44 | 75  | 6636.0000 | XLON | 11003110000211651-E0gOiK0eMIOD20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:35:44 | 83  | 6636.0000 | XLON | 11003110000211651-E0gOiK0eMI0B20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:35:58 | 75  | 6636.0000 | XLON | 11003110000211823-E0gOiK0eMIAV20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:35:58 | 77  | 6634.0000 | XLON | 01003010000210570-E0gOiK0eMIAn20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:35:58 | 25  | 6634.0000 | XLON | 01003010000210570-E0gOiK0eMIAI20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:36:08 | 90  | 6632.0000 | XLON | 01003010000210404-E0gOiK0eMIOI20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:37:34 | 147 | 6630.0000 | XLON | 11003110000212859-E0gOiK0eMKHK20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:37:34 | 81  | 6630.0000 | XLON | 11003110000210400-E0gOiK0eMKHE20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:38:18 | 61  | 6628.0000 | XLON | 01003010000212821-E0gOiK0eMLEX20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:40:42 | 57  | 6628.0000 | XLON | 01003010000214206-E0gOiK0eMO3T20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:40:42 | 5   | 6628.0000 | XLON | 11003110000214871-E0gOiK0eMO3Y20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:40:42 | 1   | 6628.0000 | XLON | 01003010000214206-E0gOiK0eMO3W20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:40:59 | 75  | 6630.0000 | XLON | 01003010000215554-E0gOiK0eMOId20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:40:59 | 137 | 6630.0000 | XLON | 01003010000215554-E0gOiK0eMOIb20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:41:26 | 66  | 6630.0000 | XLON | 01003010000216030-E0gOiK0eMOuJ20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:41:58 | 67  | 6628.0000 | XLON | 11003110000216131-E0gOiK0eMPaq20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:41:58 | 45  | 6626.0000 | XLON | 11003110000216337-E0gOiK0eMPbY20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:41:58 | 142 | 6628.0000 | XLON | 11003110000216131-E0gOiK0eMPao20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:42:09 | 1   | 6624.0000 | XLON | 01003010000216561-E0gOiK0eMQRm20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:42:45 | 139 | 6624.0000 | XLON | 11003110000217376-E0gOiK0eMRTd20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:42:45 | 162 | 6626.0000 | XLON | 11003110000217374-E0gOiK0eMRTX20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:44:38 | 66  | 6622.0000 | XLON | 11003110000220071-E0gOiK0eMTbe20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:44:38 | 191 | 6622.0000 | XLON | 11003110000220071-E0gOiK0eMTbZ20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:45:01 | 281 | 6620.0000 | XLON | 11003110000219497-E0gOiK0eMUEL20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:45:04 | 187 | 6618.0000 | XLON | 01003010000220035-E0gOiK0eMUI620191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:47:57 | 13  | 6622.0000 | XLON | 11003110000224741-E0gOiK0eMXXJ20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:47:57 | 56  | 6622.0000 | XLON | 11003110000224741-E0gOiK0eMXXF20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:47:57 | 37  | 6622.0000 | XLON | 11003110000224741-E0gOiK0eMXX820191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:47:57 | 18  | 6622.0000 | XLON | 11003110000224741-E0gOiK0eMXXA20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:47:57 | 86  | 6622.0000 | XLON | 11003110000224741-E0gOiK0eMXX620191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:47:57 | 61  | 6622.0000 | XLON | 11003110000224741-E0gOiK0eMXXC20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:47:57 | 35  | 6622.0000 | XLON | 11003110000224741-E0gOiK0eMXXL20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:49:56 | 43  | 6622.0000 | XLON | 11003110000226236-E0gOiK0eMZx420191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:49:56 | 52  | 6622.0000 | XLON | 01003010000226201-E0gOiK0eMZx620191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:50:54 | 50  | 6622.0000 | XLON | 11003110000227885-E0gOiK0eMaYK20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:52:40 | 75  | 6622.0000 | XLON | 01003010000229415-E0gOiK0eMcL720191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:52:40 | 76  | 6622.0000 | XLON | 01003010000229415-E0gOiK0eMcL520191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:53:33 | 157 | 6620.0000 | XLON | 11003110000229276-E0gOiK0eMd4g20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:53:33 | 47  | 6620.0000 | XLON | 11003110000229276-E0gOiK0eMd4b20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:54:33 | 31  | 6620.0000 | XLON | 11003110000230889-E0gOiK0eMdrf20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:54:33 | 64  | 6620.0000 | XLON | 11003110000230889-E0gOiK0eMdrd20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:54:33 | 66  | 6620.0000 | XLON | 11003110000230889-E0gOiK0eMdrb20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:54:47 | 54  | 6620.0000 | XLON | 01003010000230959-E0gOiK0eMdza20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:54:47 | 18  | 6620.0000 | XLON | 01003010000230959-E0gOiK0eMdZW20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:54:47 | 15  | 6620.0000 | XLON | 01003010000230959-E0gOiK0eMdZY20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:55:00 | 18  | 6620.0000 | XLON | 11003110000231155-E0gOiK0eMe7720191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:55:00 | 83  | 6620.0000 | XLON | 11003110000231155-E0gOiK0eMe7520191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:56:29 | 250 | 6622.0000 | XLON | 01003010000231855-E0gOiK0eMfo620191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:56:29 | 110 | 6622.0000 | XLON | 11003110000232100-E0gOiK0eMfoW20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:56:29 | 46  | 6622.0000 | XLON | 11003110000232098-E0gOiK0eMfoU20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:56:29 | 88  | 6622.0000 | XLON | 01003010000231984-E0gOiK0eMfoS20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:58:15 | 40  | 6620.0000 | XLON | 11003110000232975-E0gOiK0eMi2320191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:58:25 | 54  | 6620.0000 | XLON | 01003010000233095-E0gOiK0eMiCx20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:58:25 | 146 | 6620.0000 | XLON | 11003110000232975-E0gOiK0eMiCv20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:58:25 | 136 | 6620.0000 | XLON | 01003010000233095-E0gOiK0eMiCz20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 14:59:39 | 10  | 6614.0000 | XLON | 11003110000234737-E0gOiK0eMkfv20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 15:01:16 | 70  | 6616.0000 | XLON | 01003010000235062-E0gOiK0eMnV520191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 15:04:43 | 57  | 6616.0000 | XLON | 01003010000239065-E0gOiK0eMrYw20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 15:04:43 | 48  | 6616.0000 | XLON | 11003110000239219-E0gOiK0eMrZ020191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 15:04:43 | 81  | 6616.0000 | XLON | 01003010000239218-E0gOiK0eMrZ420191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 15:04:43 | 49  | 6616.0000 | XLON | 11003110000239208-E0gOiK0eMrYy20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 15:04:43 | 50  | 6616.0000 | XLON | 11003110000239309-E0gOiK0eMrZ220191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 15:04:44 | 75  | 6616.0000 | XLON | 11003110000239345-E0gOiK0eMrfm20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 15:04:44 | 68  | 6616.0000 | XLON | 11003110000239345-E0gOiK0eMrfk20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 15:04:44 | 14  | 6616.0000 | XLON | 11003110000239345-E0gOiK0eMrfi20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 15:07:07 | 73  | 6620.0000 | XLON | 01003010000241411-E0gOiK0eMvrf20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 15:07:07 | 24  | 6620.0000 | XLON | 01003010000241411-E0gOiK0eMvvp20191205 |







|                            |                      |     |           |      |  |
|----------------------------|----------------------|-----|-----------|------|--|
| J.P. Morgan Securities plc | 05-Dec-2019 16:13:43 | 41  | 6618.0000 | XLON | 01003010000274043-E0gOiK0eOLZo20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 16:13:43 | 40  | 6618.0000 | XLON | 11003110000274386-E0gOiK0eOLa220191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 16:13:43 | 40  | 6618.0000 | XLON | 11003110000274275-E0gOiK0eOLZu20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 16:13:43 | 42  | 6618.0000 | XLON | 01003010000274231-E0gOiK0eOLZw20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 16:13:43 | 39  | 6618.0000 | XLON | 01003010000273962-E0gOiK0eOLZm20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 16:13:43 | 37  | 6618.0000 | XLON | 01003010000274100-E0gOiK0eOLZs20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 16:13:45 | 75  | 6620.0000 | XLON | 11003110000275342-E0gOiK0eOLfo20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 16:13:45 | 298 | 6620.0000 | XLON | 11003110000275342-E0gOiK0eOLfi20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 16:13:45 | 56  | 6620.0000 | XLON | 11003110000275342-E0gOiK0eOLfm20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 16:13:45 | 49  | 6620.0000 | XLON | 11003110000275342-E0gOiK0eOLfq20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 16:13:45 | 67  | 6620.0000 | XLON | 11003110000275342-E0gOiK0eOLfk20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 16:13:46 | 45  | 6620.0000 | XLON | 11003110000275353-E0gOiK0eOLgg20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 16:13:46 | 75  | 6620.0000 | XLON | 11003110000275353-E0gOiK0eOLge20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 16:13:47 | 77  | 6620.0000 | XLON | 11003110000275366-E0gOiK0eOLhe20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 16:13:47 | 84  | 6620.0000 | XLON | 11003110000275366-E0gOiK0eOLhg20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 16:14:18 | 35  | 6620.0000 | XLON | 11003110000275610-E0gOiK0eOMTE20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 16:14:18 | 42  | 6620.0000 | XLON | 11003110000275610-E0gOiK0eOMTG20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 16:14:18 | 4   | 6620.0000 | XLON | 11003110000275610-E0gOiK0eOMTI20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 16:14:18 | 108 | 6620.0000 | XLON | 11003110000275610-E0gOiK0eOMTC20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 16:15:00 | 14  | 6620.0000 | XLON | 11003110000275990-E0gOiK0eONGR20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 16:15:00 | 60  | 6620.0000 | XLON | 11003110000275990-E0gOiK0eONGP20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 16:15:00 | 88  | 6620.0000 | XLON | 11003110000275990-E0gOiK0eONGL20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 16:15:00 | 50  | 6620.0000 | XLON | 11003110000275990-E0gOiK0eONGN20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 16:16:05 | 215 | 6620.0000 | XLON | 01003010000276612-E0gOiK0eOOaS20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 16:16:05 | 74  | 6620.0000 | XLON | 01003010000276612-E0gOiK0eOOaQ20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 16:17:14 | 134 | 6620.0000 | XLON | 11003110000277011-E0gOiK0eOPiM20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 16:17:14 | 10  | 6620.0000 | XLON | 01003010000277076-E0gOiK0eOPiW20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 16:17:14 | 135 | 6620.0000 | XLON | 01003010000277064-E0gOiK0eOPiU20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 16:17:14 | 11  | 6620.0000 | XLON | 01003010000277025-E0gOiK0eOPiQ20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 16:17:14 | 10  | 6620.0000 | XLON | 01003010000277100-E0gOiK0eOPie20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 16:17:14 | 8   | 6620.0000 | XLON | 01003010000277087-E0gOiK0eOPic20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 16:17:14 | 48  | 6620.0000 | XLON | 11003110000277114-E0gOiK0eOPiS20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 16:17:14 | 8   | 6620.0000 | XLON | 01003010000276975-E0gOiK0eOPiO20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 16:17:14 | 120 | 6620.0000 | XLON | 01003010000276932-E0gOiK0eOPiK20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 16:17:14 | 108 | 6620.0000 | XLON | 11003110000277198-E0gOiK0eOPig20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 16:17:14 | 171 | 6620.0000 | XLON | 01003010000277114-E0gOiK0eOPii20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 16:19:31 | 375 | 6618.0000 | XLON | 01003010000278133-E0gOiK0eOT7320191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 16:19:31 | 19  | 6618.0000 | XLON | 11003110000277648-E0gOiK0eOT6n20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 16:19:31 | 85  | 6618.0000 | XLON | 11003110000277648-E0gOiK0eOT6i20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 16:19:31 | 90  | 6618.0000 | XLON | 11003110000278111-E0gOiK0eOT6x20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 16:19:31 | 196 | 6618.0000 | XLON | 11003110000277648-E0gOiK0eOT6k20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 16:20:30 | 71  | 6616.0000 | XLON | 11003110000277353-E0gOiK0eOUih20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 16:20:30 | 75  | 6616.0000 | XLON | 11003110000277353-E0gOiK0eOUil20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 16:20:36 | 41  | 6616.0000 | XLON | 11003110000277353-E0gOiK0eOUrJ20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 16:20:36 | 136 | 6616.0000 | XLON | 11003110000277353-E0gOiK0eOUrw20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 16:21:49 | 205 | 6616.0000 | XLON | 11003110000279040-E0gOiK0eOWvH20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 16:21:49 | 87  | 6614.0000 | XLON | 01003010000278957-E0gOiK0eOWwM20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 16:21:49 | 44  | 6614.0000 | XLON | 11003110000278296-E0gOiK0eOWwK20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 16:21:49 | 57  | 6614.0000 | XLON | 01003010000278957-E0gOiK0eOWwU20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 16:22:29 | 95  | 6614.0000 | XLON | 11003110000279926-E0gOiK0eOXeZ20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 16:23:04 | 77  | 6612.0000 | XLON | 11003110000279087-E0gOiK0eOYPI20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 16:24:35 | 47  | 6614.0000 | XLON | 01003010000280832-E0gOiK0eOaUU20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 16:25:05 | 27  | 6614.0000 | XLON | 11003110000281080-E0gOiK0eOb7D20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 16:25:05 | 132 | 6614.0000 | XLON | 11003110000281080-E0gOiK0eOb7B20191205 |
| J.P. Morgan Securities plc | 05-Dec-2019 16:25:05 | 20  | 6614.0000 | XLON | 11003110000281080-E0gOiK0eOb7F20191205 |