

# HSBC HOLDINGS PLC

24 November 2016

## Transaction in own shares

HSBC Holdings plc (the **Company**) announces that it has purchased the following number of its ordinary shares of US\$0.50 each on the London Stock Exchange from Goldman Sachs International (**Goldman Sachs**) as part of its buyback programme announced on 4 August 2016.

Date of purchase:	24 November 2016
Number of ordinary shares of US\$0.50 each purchased:	2,502,080
Highest price paid per share:	£6.4100
Lowest price paid per share:	£6.3610
Volume weighted average price paid per share:	£6.3944

Following the purchase of these shares, the Company holds 261,018,711 of its ordinary shares in treasury and has 19,806,887,632 ordinary shares in issue (excluding treasury shares). Therefore the total voting rights in HSBC Holdings plc is 19,806,887,632. This figure for the total number of voting rights may be used by shareholders as the denominator for the calculations by which they will determine if they are required to notify their interest in, or a change to their interest in, HSBC Holdings plc under the FCA's Disclosure Guidance and Transparency Rules.

In accordance with Article 5(1)(b) of Regulation (EU) No 596/2014 (the Market Abuse Regulation), a schedule of individual trades by Goldman Sachs is set out below.

### Schedule of purchases – individual transactions

<i>Time</i>	<i>Price (p)</i>	<i>Quantity</i>
08:00:12	639.60	1,271
08:00:13	639.50	228
08:00:14	639.50	1,312
08:00:37	639.50	700
08:00:37	639.50	1,300
08:00:39	639.50	900
08:00:39	639.50	305
08:00:41	639.60	413
08:00:41	639.60	885
08:00:43	639.30	4,258
08:00:43	639.00	375
08:00:43	639.00	2,775
08:01:12	639.30	3,795
08:01:13	639.30	501
08:01:13	639.30	1,256
08:01:13	639.30	200
08:01:13	639.30	251
08:01:13	639.30	651
08:01:58	640.00	2,776
08:01:58	640.00	2,000
08:01:58	640.00	297
08:02:09	640.00	895
08:02:09	640.00	2,215

08:02:14	640.00	1,017
08:02:14	640.00	1,246
08:02:15	640.00	1,100
08:02:15	640.00	58
08:02:19	640.00	1,569
08:02:19	640.00	585
08:02:20	639.90	2,402
08:03:10	639.90	2,643
08:03:26	640.20	5,000
08:03:26	640.20	2,642
08:03:31	640.40	2,455
08:03:32	640.40	1,135
08:03:36	640.40	688
08:03:36	640.40	581
08:03:39	640.30	3,181
08:03:46	640.20	1,473
08:03:52	640.00	2,505
08:04:12	640.00	741
08:04:21	639.80	4,067
08:04:25	639.80	700
08:04:25	639.80	2,760
08:04:39	639.70	1,428
08:04:39	639.70	674
08:05:10	640.10	231
08:05:11	639.90	4,703
08:05:13	639.90	2,000
08:05:14	639.90	1,581
08:05:22	639.80	2,000
08:05:22	639.80	704
08:05:26	639.70	2,998
08:05:26	639.70	1,282
08:05:35	639.80	2,705
08:05:50	640.00	1,376
08:05:55	640.00	1,266
08:05:59	640.00	1,284
08:06:19	640.10	63
08:06:19	640.10	224
08:06:22	640.20	54
08:06:25	640.20	370
08:06:27	640.20	370
08:06:27	640.10	4,271
08:06:33	640.20	1,223
08:06:33	640.20	370
08:06:33	640.20	1,100
08:06:34	640.20	370
08:07:04	640.10	470
08:07:04	640.10	525
08:07:37	640.10	3,345
08:07:37	640.20	652
08:07:38	640.20	470

08:07:39	640.20	470
08:07:40	640.30	1,478
08:07:40	640.30	12,368
08:07:43	640.30	1,677
08:07:47	640.30	470
08:07:50	640.20	3,440
08:07:52	640.20	2,326
08:08:11	640.20	300
08:08:12	640.20	200
08:08:12	640.20	100
08:08:16	640.20	490
08:08:16	640.10	2,409
08:08:17	640.10	3,315
08:08:35	640.00	1,927
08:08:35	640.00	1,924
08:08:35	640.00	1,699
08:08:52	640.10	1,252
08:08:55	640.10	1,155
08:09:01	640.10	1,615
08:09:28	640.10	4,717
08:09:30	640.10	3,086
08:09:36	640.00	3,802
08:09:45	640.00	2,051
08:09:49	640.10	3,248
08:10:03	639.90	1,281
08:10:13	640.10	1,513
08:10:18	640.10	1,377
08:10:22	640.10	270
08:10:22	640.10	800
08:10:22	640.10	67
08:10:29	639.90	1,412
08:10:32	640.00	1,205
08:10:35	640.00	1,307
08:10:36	639.90	4,051
08:10:41	639.70	350
08:10:49	639.60	94
08:10:49	639.60	2,365
08:11:18	639.50	2,679
08:11:18	639.50	1,012
08:11:18	639.50	468
08:11:18	639.50	3,223
08:11:31	639.30	1,779
08:11:35	639.30	90
08:11:35	639.30	1,300
08:11:35	639.30	440
08:11:35	639.30	1,759
08:11:42	639.30	1,192
08:11:42	639.30	190
08:12:13	640.00	1,100
08:12:13	640.00	2,000

08:12:13	640.00	252
08:12:13	640.00	1,300
08:12:15	640.00	200
08:12:38	640.00	200
08:12:41	640.00	200
08:12:44	640.00	100
08:12:48	640.00	100
08:12:53	640.00	200
08:12:53	640.00	2,000
08:12:58	640.00	100
08:12:58	640.00	1,100
08:13:01	640.00	100
08:13:04	640.10	2,000
08:13:07	640.10	200
08:13:07	640.10	2,000
08:13:08	640.00	4,949
08:13:09	639.80	2,500
08:13:09	639.80	1,541
08:13:09	639.80	459
08:13:09	639.80	1,615
08:13:11	639.70	2,982
08:14:05	639.80	5,000
08:14:05	639.80	230
08:14:08	639.80	900
08:14:08	639.80	2,000
08:14:14	639.90	2,000
08:14:17	639.90	2,000
08:14:17	639.90	252
08:14:17	639.90	818
08:14:19	639.80	1,867
08:14:21	639.70	1,322
08:14:21	639.70	1,617
08:14:27	639.70	1,183
08:14:39	639.80	1,332
08:14:44	639.80	1,137
08:14:51	640.00	1,257
08:14:54	640.00	1,187
08:14:56	639.90	1,418
08:15:05	639.90	1,228
08:15:05	639.90	1,300
08:15:05	639.90	1,220
08:15:13	639.90	1,216
08:15:18	640.00	1,259
08:15:21	640.00	996
08:15:21	640.00	185
08:15:24	640.00	3,274
08:15:43	640.00	1,352
08:15:43	640.00	2,911
08:15:53	639.90	1,425
08:15:57	639.90	575

08:15:57	639.90	252
08:15:57	639.90	354
08:15:57	639.80	252
08:16:02	639.80	962
08:16:02	639.80	350
08:16:04	639.80	4,150
08:16:04	639.80	1,720
08:16:08	639.50	700
08:16:08	639.50	510
08:17:26	639.90	5,100
08:17:26	639.90	2,000
08:17:26	639.90	1,277
08:17:29	639.80	120
08:17:29	639.80	2,000
08:17:29	639.80	1,200
08:17:29	639.80	252
08:17:29	639.80	1,000
08:17:29	639.80	520
08:17:29	639.80	1,259
08:17:35	639.80	4,728
08:17:35	639.80	1,200
08:17:35	639.80	2,000
08:17:35	639.80	945
08:17:51	640.00	252
08:18:09	639.90	2,000
08:18:09	639.90	252
08:18:09	639.90	520
08:18:09	639.90	1,277
08:18:09	639.90	998
08:18:22	640.00	3,042
08:18:24	640.00	1,355
08:18:24	640.00	252
08:18:24	640.00	590
08:18:24	640.00	1,454
08:18:26	639.90	252
08:18:26	639.90	2,000
08:18:26	639.90	115
08:18:26	639.90	1,473
08:18:27	639.90	1,200
08:18:27	639.90	398
08:18:43	639.90	3,407
08:18:56	639.90	2,210
08:18:56	639.90	1,099
08:19:08	639.90	3,186
08:19:08	639.90	2,000
08:19:13	639.70	252
08:19:20	639.50	2,975
08:19:32	639.80	365
08:19:32	639.80	2,827
08:19:51	639.90	252

08:19:51	639.90	901
08:19:54	639.90	50
08:19:54	639.90	50
08:19:54	639.90	50
08:19:58	639.90	2,000
08:20:01	639.90	1,380
08:20:04	639.90	1,158
08:20:09	639.80	1,762
08:20:09	639.80	96
08:20:09	639.80	1,350
08:20:10	639.70	1,774
08:20:10	639.70	696
08:20:25	640.00	1,493
08:20:34	639.90	2,708
08:20:34	639.90	2,000
08:20:34	639.90	326
08:20:39	639.70	810
08:20:39	639.70	1,468
08:21:00	639.80	103
08:21:00	639.80	3,199
08:21:01	639.70	92
08:21:01	639.70	1,179
08:21:19	639.60	1,595
08:21:19	639.60	1,864
08:21:25	639.50	1,611
08:21:34	639.70	280
08:21:42	639.80	3,388
08:21:42	639.80	1,699
08:22:05	639.70	423
08:22:11	639.70	2,830
08:22:11	639.70	2,000
08:22:11	639.70	420
08:22:11	639.70	538
08:22:11	639.70	634
08:22:11	639.70	546
08:22:30	639.80	420
08:22:30	639.80	840
08:22:35	639.80	51
08:22:37	639.80	420
08:22:37	639.80	420
08:22:37	639.80	836
08:22:39	639.80	420
08:22:39	639.80	922
08:22:48	639.80	1,200
08:22:48	639.80	420
08:22:51	639.80	420
08:22:51	639.80	724
08:23:06	640.00	3,231
08:23:09	640.00	1,159
08:23:12	640.00	1,701

08:23:17	639.90	50
08:23:17	639.90	50
08:23:17	639.90	50
08:23:20	639.90	1,844
08:23:26	640.00	1,241
08:23:35	639.90	3,948
08:23:35	639.90	2,000
08:23:35	639.90	258
08:23:39	639.60	1,189
08:23:52	639.70	1,545
08:24:14	639.70	1,963
08:25:31	639.60	1,169
08:25:45	639.50	1,425
08:25:46	639.50	1,536
08:25:46	639.50	972
08:25:46	639.50	189
08:25:52	639.50	2,026
08:25:52	639.50	2,049
08:25:52	639.50	1,542
08:25:54	639.50	1,379
08:26:04	639.50	1,313
08:26:10	639.50	1,505
08:26:11	639.50	1,890
08:26:18	639.70	2,013
08:26:19	639.50	2,118
08:26:19	639.50	1,897
08:26:20	639.50	2,063
08:26:31	639.50	1,383
08:26:32	639.50	3,662
08:26:41	639.30	984
08:26:45	639.30	3,989
08:26:45	639.30	1,800
08:26:45	639.30	2,000
08:26:45	639.30	252
08:26:56	639.30	2,895
08:27:13	639.40	1,139
08:27:36	639.20	1,301
08:27:48	639.20	2,922
08:27:48	639.10	1,663
08:27:48	639.10	252
08:27:48	639.10	2,593
08:27:53	639.10	1,957
08:27:53	639.10	2,454
08:28:16	639.10	3,384
08:28:16	639.10	2,000
08:28:30	639.10	1,790
08:28:53	639.20	4,104
08:28:53	639.10	596
08:28:53	639.10	1,890
08:29:31	639.00	2,608

08:29:31	639.00	1,381
08:29:39	638.80	252
08:29:39	638.80	918
08:29:58	638.80	1,677
08:30:14	638.70	1,278
08:31:05	638.60	399
08:31:05	638.60	2,540
08:31:05	638.60	399
08:31:14	638.60	2,095
08:31:50	638.50	60
08:31:50	638.50	900
08:31:51	638.50	974
08:32:03	638.10	252
08:32:03	638.10	1,029
08:32:18	637.90	2,650
08:32:18	637.90	1,313
08:32:36	637.80	3,180
08:32:40	637.30	1,395
08:32:42	637.00	2,000
08:32:54	637.30	2,000
08:32:55	637.00	3,000
08:32:55	637.00	143
08:32:55	637.00	670
08:32:55	637.00	2,731
08:33:00	636.90	1,157
08:33:10	637.10	2,948
08:33:10	637.10	29
08:33:14	636.80	2,393
08:33:20	636.30	1,742
08:33:26	636.50	1,167
08:33:26	636.20	1,944
08:33:37	636.40	4,509
08:33:38	636.40	2,000
08:33:44	636.20	771
08:33:44	636.20	100
08:33:45	636.20	2,025
08:33:58	636.10	3,281
08:35:09	636.80	3,100
08:36:07	637.20	1,259
08:36:20	637.20	1,162
08:36:37	637.20	2,587
08:36:37	637.20	1,293
08:36:43	637.20	157
08:36:43	637.20	2,000
08:36:43	637.20	2,198
08:36:46	637.00	3,199
08:36:46	637.00	2,000
08:36:46	637.00	120
08:36:46	637.00	2,012
08:36:51	637.00	1,383



08:36:59	637.20	3,208
08:37:14	637.00	2,250
08:37:23	637.00	4,221
08:37:23	637.10	2,000
08:37:30	637.30	3,214
08:37:30	637.30	50
08:37:30	637.30	50
08:37:41	637.30	4,911
08:37:41	637.20	2,000
08:37:41	637.20	3,700
08:37:41	637.30	893
08:37:41	637.20	1,196
08:37:59	637.10	1,865
08:38:02	637.00	420
08:38:04	637.00	3,220
08:38:04	637.00	1,084
08:38:06	637.00	1,086
08:38:06	637.00	1,172
08:38:47	637.50	2,997
08:38:47	637.50	2,248
08:39:03	637.50	796
08:39:09	637.60	2,923
08:39:22	637.90	2,100
08:39:22	637.90	2,839
08:39:24	637.90	1,800
08:39:24	637.90	2,000
08:39:30	638.00	1,953
08:39:33	637.90	657
08:39:33	637.90	1,953
08:41:07	638.60	1,423
08:41:08	638.50	2,057
08:41:12	638.40	2,251
08:41:22	638.30	1,657
08:41:32	638.10	3,262
08:41:32	638.10	84
08:41:41	638.10	1,261
08:41:43	638.10	1,593
08:41:43	638.10	218
08:42:22	638.30	1,400
08:43:09	638.50	1,207
08:43:28	638.30	2,774
08:44:00	638.00	1,325
08:45:41	638.40	3,590
08:46:08	638.50	1,802
08:46:08	638.50	1,296
08:47:24	638.80	200
08:47:34	639.00	1,535
08:47:37	639.00	1,319
08:47:46	638.90	122
08:47:46	638.90	2,523

08:48:40	639.30	800
08:48:40	639.30	622
08:48:48	639.30	70
08:48:48	639.30	1,936
08:48:49	639.30	1,300
08:48:49	639.30	1,279
08:48:49	639.30	80
08:49:10	639.20	252
08:49:10	639.20	592
08:49:24	639.10	935
08:49:26	639.10	1,169
08:49:31	639.00	1,725
08:50:00	639.50	50
08:50:00	639.50	50
08:50:00	639.50	50
08:50:00	639.50	50
08:50:01	639.60	750
08:50:01	639.60	1,022
08:50:07	639.60	1,569
08:50:07	639.60	430
08:50:22	639.60	238
08:50:22	639.60	487
08:50:22	639.60	512
08:50:23	639.60	10
08:50:23	639.60	2,000
08:50:23	639.60	300
08:50:23	639.60	1,200
08:50:23	639.60	427
08:50:36	639.80	1,489
08:50:49	639.80	800
08:50:54	639.80	252
08:51:01	639.90	50
08:51:01	639.90	44
08:51:01	639.90	50
08:51:01	639.90	50
08:51:04	639.90	50
08:51:04	639.90	50
08:51:04	639.90	50
08:51:04	639.90	2,000
08:51:04	639.90	2,737
08:51:07	639.90	114
08:51:07	639.90	50
08:51:07	639.90	50
08:51:07	639.90	50
08:51:07	639.90	1,429
08:51:10	639.80	3,361
08:51:10	639.70	1,432
08:51:10	639.70	214
08:51:18	639.60	1,602
08:51:33	639.60	1,208

08:51:52	639.70	50
08:51:52	639.70	50
08:51:52	639.70	50
08:51:52	639.70	538
08:51:52	639.70	20
08:51:57	639.70	967
08:51:57	639.70	50
08:51:57	639.70	50
08:51:57	639.70	133
08:52:01	639.70	1,220
08:52:05	639.60	2,701
08:52:07	639.40	3,098
08:53:02	639.50	1,380
08:53:02	639.50	2,000
08:53:16	639.50	3,033
08:54:00	639.70	1,027
08:54:00	639.70	50
08:54:00	639.70	50
08:54:00	639.70	270
08:54:27	639.80	760
08:54:44	639.80	1,253
08:54:44	639.80	1,895
08:54:47	639.70	350
08:54:47	639.70	3,650
08:54:52	639.40	2,786
08:55:01	639.40	104
08:55:01	639.40	1,287
08:55:20	639.30	2,148
08:56:43	639.40	2,597
08:56:47	639.40	1,105
08:56:47	639.40	951
08:57:34	639.50	132
08:59:31	639.40	1,448
08:59:32	639.30	1,268
08:59:57	639.00	2,417
09:00:46	639.30	1,283
09:01:05	639.50	1,997
09:01:11	639.30	339
09:01:11	639.30	1,418
09:01:40	639.20	1,475
09:01:48	639.00	2,904
09:01:59	639.10	1,799
09:02:46	639.30	1,229
09:03:01	639.30	1,438
09:03:19	639.20	1,700
09:04:20	639.30	1,479
09:05:14	639.50	800
09:06:16	639.50	1,655
09:06:30	639.30	1,239
09:07:27	639.10	695

09:07:27	639.10	461
09:07:27	639.10	1,127
09:08:46	639.60	98
09:08:49	639.60	1,100
09:08:50	639.60	1,687
09:08:50	639.60	79
09:08:52	639.60	1,952
09:09:00	639.70	1,637
09:09:04	639.60	272
09:09:04	639.60	3,785
09:09:05	639.60	1,100
09:09:05	639.60	717
09:09:29	639.60	59
09:09:29	639.60	1,295
09:09:30	639.60	1,469
09:10:07	639.30	1,933
09:10:16	639.10	1,570
09:10:20	639.00	1,094
09:10:57	639.20	2,451
09:11:19	639.10	800
09:11:25	639.20	2,884
09:11:25	639.20	390
09:11:55	639.20	200
09:12:12	639.30	1,214
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09:14:03	639.40	3,779
09:14:25	639.50	1,925
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09:16:08	639.50	1,297
09:16:34	639.50	1,194
09:16:34	639.50	1,238
09:16:55	639.20	1,937
09:16:59	639.00	1,307
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09:19:15	639.00	802
09:19:15	639.00	462
09:20:14	639.00	393
09:20:14	639.00	1,045
09:20:19	639.00	1,520
09:20:58	638.50	2,771

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09:21:45	638.60	2,398
09:21:46	638.60	1,219
09:22:01	638.50	1,230
09:22:14	638.50	2,857
09:22:14	638.50	334
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09:24:35	639.20	1,696
09:24:48	639.30	1,509
09:25:23	639.20	1,241
09:25:35	639.10	2,715
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09:26:40	639.30	2,606
09:27:27	639.40	1,421
09:28:11	639.30	275
09:28:43	639.30	511
09:29:21	639.50	4,067
09:29:23	639.50	1,486
09:30:36	639.60	1,301
09:30:36	639.60	1,950
09:30:36	639.60	1,013
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09:31:05	639.70	1,519
09:31:15	639.50	2,659
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09:31:59	639.60	532
09:31:59	639.60	192
09:31:59	639.60	716
09:32:22	639.70	2,746
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09:32:45	639.50	387
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09:34:20	639.70	1,525
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09:37:58	639.90	1,814
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09:43:57	639.70	1,232
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09:45:34	639.80	1,413
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12:18:30	639.60	2,520
12:18:30	639.60	466

12:20:07	639.80	704
12:20:07	639.80	1,035
12:20:07	639.80	169
12:20:07	639.80	2,430
12:20:08	639.80	1,631
12:20:08	639.80	413
12:20:08	639.80	560
12:20:56	640.00	20
12:20:56	640.00	1,159
12:20:56	640.00	1,421
12:20:56	640.00	884
12:20:56	640.00	6,340
12:20:57	640.00	1,421
12:20:58	640.00	230
12:20:58	640.00	1,406
12:21:07	640.00	800
12:21:07	640.00	120
12:21:07	640.00	2,000
12:21:07	640.00	179
12:21:07	640.00	1
12:21:17	640.00	1,123
12:21:17	640.00	1,064
12:21:17	640.00	2,000
12:21:17	640.00	2,246
12:21:17	640.00	2,345
12:21:17	640.00	2,000
12:21:22	640.00	144
12:21:22	640.00	288
12:21:22	640.00	500
12:21:33	640.00	2,747
12:21:33	640.00	1,541
12:21:38	639.90	812
12:21:39	639.90	1,843
12:21:39	639.90	1,180
12:21:39	639.90	152
12:21:39	639.90	2,167
12:24:21	640.30	2,634
12:24:47	640.60	1,512
12:24:47	640.60	190
12:24:58	640.60	130
12:24:58	640.60	1,220
12:25:13	640.60	1,184
12:25:15	640.50	1,219
12:25:25	640.50	2,000
12:25:25	640.50	671
12:25:47	640.40	1,246
12:26:27	640.30	1,166
12:26:27	640.30	227
12:26:38	640.30	3,962
12:26:38	640.30	21



12:26:43	640.30	331
12:26:44	640.30	100
12:26:46	640.30	721
12:26:46	640.30	775
12:27:19	640.20	1,367
12:28:37	640.00	365
12:28:37	640.00	36
12:28:37	640.00	945
12:29:55	640.00	200
12:29:55	640.00	1,035
12:30:32	639.80	1,376
12:30:32	639.80	1,008
12:30:32	639.80	148
12:30:42	639.80	1,323
12:31:51	639.50	989
12:31:51	639.50	307
12:31:52	639.40	1,106
12:31:52	639.40	322
12:33:16	639.40	2,426
12:33:16	639.40	1
12:34:28	639.90	2,750
12:35:23	639.80	3,491
12:38:18	639.50	743
12:38:18	639.50	817
12:38:36	639.40	1,505
12:39:12	639.60	3,035
12:40:10	639.80	2,242
12:40:39	639.70	1,734
12:40:39	639.70	620
12:42:17	639.50	3,538
12:44:21	639.70	1,412
12:44:43	639.60	66
12:44:43	639.60	435
12:44:55	639.80	390
12:44:55	639.80	3,176
12:46:06	639.80	811
12:46:06	639.80	361
12:46:06	639.80	2,207
12:49:18	640.00	4,190
12:49:18	640.00	1,299
12:49:18	640.00	798
12:49:25	639.70	3,217
12:49:26	639.70	252
12:49:26	639.70	504
12:49:30	639.70	252
12:49:30	639.70	53
12:50:35	639.60	2,323
12:51:07	639.70	4,560
12:51:24	639.50	2,000
12:51:24	639.50	2,211

12:52:22	639.30	2,068
12:52:23	639.30	600
12:52:23	639.30	600
12:52:24	639.30	800
12:52:24	639.30	800
12:52:24	639.30	208
12:52:24	639.30	226
12:52:24	639.30	500
12:52:24	639.30	500
12:52:24	639.30	188
12:52:25	639.30	800
12:52:25	639.30	397
12:53:01	639.30	4,168
12:53:01	639.30	1,466
12:53:43	639.20	1,250
12:54:26	639.40	1,415
12:54:42	639.30	3,060
12:54:54	639.20	1,242
12:55:10	639.10	2,122
12:55:15	639.10	1,266
12:56:30	639.10	1,850
12:56:39	638.90	641
12:56:39	638.90	604
13:00:03	639.00	4,447
13:01:32	639.60	1,489
13:02:04	639.60	1,264
13:02:07	639.60	1,256
13:02:20	639.60	515
13:02:59	639.50	2,958
13:03:16	639.40	1,064
13:04:46	639.70	1,712
13:05:34	639.70	1,183
13:05:51	639.60	735
13:05:51	639.60	90
13:05:51	639.60	3,933
13:05:53	639.50	2,227
13:05:53	639.50	2,046
13:06:20	639.50	915
13:06:20	639.50	3,293
13:07:20	639.50	200
13:07:30	639.50	100
13:07:30	639.50	2,208
13:09:10	639.40	1,885
13:09:37	639.40	1,993
13:09:55	639.30	1,966
13:09:58	639.20	1,293
13:11:03	639.30	3,055
13:11:03	639.20	2,000
13:11:03	639.20	1,205
13:11:26	639.20	638

13:11:26	639.20	559
13:14:45	639.30	1,619
13:14:45	639.30	2,026
13:16:36	639.30	979
13:16:46	639.50	3,204
13:16:46	639.50	1,829
13:16:46	639.50	62
13:17:00	639.50	2,641
13:17:31	639.40	642
13:17:31	639.40	3,226
13:18:31	639.50	3,302
13:19:17	639.60	1,880
13:19:41	639.50	1,988
13:21:20	639.60	100
13:21:20	639.60	1,193
13:21:25	639.60	1,213
13:21:29	639.60	1,203
13:21:30	639.60	29
13:21:49	639.50	638
13:23:30	639.70	396
13:24:56	639.90	598
13:24:56	639.90	69
13:24:56	639.90	501
13:25:43	639.80	3,884
13:25:45	639.80	2,100
13:26:01	639.80	1
13:26:17	639.90	4,333
13:26:58	639.90	1,720
13:27:05	639.90	500
13:27:05	639.90	1,640
13:27:05	639.90	1,441
13:27:42	639.80	11
13:27:42	639.80	2,149
13:28:08	639.60	108
13:28:08	639.60	1,145
13:28:08	639.60	98
13:28:14	639.50	1,499
13:30:39	639.90	361
13:30:39	639.90	824
13:30:49	639.90	1,260
13:31:24	639.90	552
13:31:24	639.90	1,933
13:31:40	639.90	1,672
13:31:43	639.90	1,246
13:32:04	639.90	1,176
13:32:35	639.90	57
13:32:39	639.90	733
13:32:39	639.90	540
13:33:26	639.90	638
13:33:26	639.90	1,284

13:34:36	640.10	582
13:34:36	640.10	811
13:34:38	640.00	825
13:34:39	640.00	252
13:34:39	640.00	957
13:35:25	640.10	4,456
13:35:25	640.10	1,200
13:35:25	640.10	1,053
13:35:26	640.00	1,200
13:35:27	640.00	800
13:35:27	640.00	252
13:35:27	640.00	364
13:37:30	640.10	2,772
13:37:30	640.10	274
13:37:30	640.10	1,279
13:39:34	639.90	1,250
13:41:33	640.00	657
13:42:20	640.10	549
13:42:20	640.10	880
13:42:20	640.10	2,813
13:42:20	640.10	1,367
13:42:20	640.10	2,000
13:42:20	640.10	157
13:44:29	640.10	2,299
13:44:43	640.00	2,401
13:44:50	640.00	3,682
13:45:03	640.00	1,318
13:45:06	640.00	869
13:46:44	640.20	1,496
13:47:09	640.20	2,471
13:49:12	640.40	1,857
13:51:12	640.40	4,090
13:51:12	640.40	1,730
13:51:12	640.40	3
13:51:15	640.40	1,869
13:51:39	640.10	1,396
13:51:39	640.10	663
13:51:39	640.10	20
13:51:40	640.10	119
13:51:40	640.10	26
13:52:19	640.50	15
13:52:21	640.40	5,363
13:52:22	640.40	2,000
13:52:22	640.40	251
13:52:22	640.40	3,030
13:54:14	640.30	2,859
13:54:59	640.20	1,743
13:54:59	640.20	1,283
13:56:25	640.20	657
13:56:48	640.20	3,613

13:58:18	640.20	1,790
13:58:35	640.10	1,445
13:58:35	640.10	2,894
13:58:35	640.10	120
13:58:35	640.10	2,000
13:58:35	640.10	65
13:59:14	640.00	800
13:59:28	640.00	1,167
14:02:09	640.30	200
14:02:09	640.30	1,955
14:02:09	640.30	968
14:02:33	640.30	1,287
14:02:33	640.30	946
14:03:19	640.20	692
14:04:00	640.30	1,215
14:05:25	640.40	3,645
14:05:25	640.40	1,798
14:06:44	640.70	1,000
14:06:44	640.70	328
14:07:24	641.00	1,536
14:07:30	641.00	1,443
14:07:32	640.90	2,260
14:07:32	640.90	1,300
14:07:45	640.90	100
14:08:11	640.90	790
14:08:17	640.80	2,644
14:08:17	640.80	470
14:08:54	640.90	500
14:09:00	640.90	3,325
14:09:44	640.90	1,542
14:09:48	640.90	1,647
14:11:25	641.00	300
14:11:40	641.00	164
14:11:40	641.00	1,633
14:13:07	641.00	1,166
14:13:07	641.00	872
14:13:07	641.00	1,229
14:13:08	640.90	1,166
14:14:12	640.80	1,922
14:16:37	641.00	900
14:16:37	641.00	2,406
14:16:38	641.00	1,882
14:16:50	641.00	200
14:16:51	641.00	1,063
14:17:31	641.00	2,092
14:19:11	640.90	1,402
14:21:48	640.70	2,543
14:21:48	640.70	1,707
14:21:55	640.60	1,600
14:22:19	640.40	1,268

14:22:20	640.40	1,433
14:23:29	640.60	1,536
14:23:30	640.60	1,457
14:25:05	640.80	1,200
14:25:05	640.80	1,361
14:25:05	640.80	1,417
14:26:40	640.90	2,857
14:27:31	640.90	1,224
14:27:38	640.80	1,046
14:27:43	641.00	2,000
14:27:43	641.00	1,017
14:27:50	641.00	1,140
14:28:02	641.00	4,307
14:28:02	641.00	2,000
14:28:02	641.00	204
14:28:04	640.90	1,247
14:28:46	640.90	1,458
14:29:23	640.80	1,858
14:30:02	640.60	1,486
14:30:15	640.50	532
14:30:22	640.50	2,085
14:30:39	640.30	269
14:30:40	640.30	1,843
14:31:23	640.10	906
14:31:24	640.10	3
14:31:32	640.20	719
14:32:03	640.20	4,349
14:32:07	640.10	2,192
14:32:36	640.00	24
14:32:36	640.00	1,417
14:32:39	640.00	1,485
14:32:39	640.00	1,160
14:34:38	640.20	2,000
14:34:51	640.20	111
14:34:51	640.20	5,085
14:34:51	640.20	2,000
14:34:51	640.20	1,718
14:35:14	640.00	2,960
14:37:01	640.30	4,033
14:37:59	640.30	400
14:38:34	640.50	300
14:38:34	640.50	488
14:39:38	640.80	1,145
14:39:51	640.80	745
14:39:56	640.70	1,351
14:39:56	640.70	650
14:39:56	640.70	473
14:40:47	640.60	325
14:40:49	640.60	100
14:41:00	640.60	100

14:41:05	640.60	100
14:41:05	640.60	2,805
14:42:07	640.50	1,714
14:42:07	640.50	1,990
14:42:28	640.50	1,155
14:42:28	640.50	438
14:42:28	640.50	1,767
14:42:29	640.40	1,450
14:42:29	640.40	15
14:43:22	640.00	1,028
14:43:22	640.00	985
14:44:35	640.00	267
14:44:44	640.10	4,116
14:45:19	640.20	3,584
14:45:19	640.20	1,820
14:47:15	640.30	100
14:47:22	640.30	701
14:47:22	640.30	3,057
14:47:22	640.20	1,359
14:48:30	640.00	1,943
14:48:30	640.00	1,184
14:49:28	640.20	3,944
14:49:28	640.20	1,113
14:49:28	640.20	228
14:49:47	640.20	1,507
14:50:24	640.00	1,227
14:50:33	639.90	1,507
14:51:01	639.90	824
14:51:01	639.90	291
14:51:01	639.90	2,322
14:51:53	639.80	2,191
14:53:08	639.80	667
14:53:08	639.80	2,000
14:53:36	639.90	2,000
14:53:36	639.90	120
14:53:36	639.90	705
14:54:37	639.70	1,868
14:56:05	639.70	429
14:56:05	639.70	4,293
14:56:28	640.00	214
14:56:28	640.00	1,019
14:56:28	640.00	1,773
14:57:40	640.10	4,530
14:57:54	640.10	1,680
14:57:54	640.10	1,845
14:57:54	640.10	596
14:57:54	640.10	1,170
14:59:40	640.20	4,034
14:59:40	640.20	876
14:59:40	640.20	548

14:59:40	640.20	214
14:59:41	640.20	600
14:59:41	640.20	636
14:59:59	640.20	1,183
15:00:01	640.10	1,478
15:01:15	640.10	1,279
15:01:15	640.10	1,253
15:01:15	640.10	13
15:02:30	640.20	356
15:04:08	640.40	740
15:04:08	640.40	238
15:04:08	640.40	1,250
15:04:08	640.40	1,012
15:04:08	640.40	1,181
15:04:08	640.40	2,000
15:04:13	640.40	2,000
15:04:13	640.40	2,000
15:04:13	640.40	2,885
15:04:15	640.40	1,737
15:04:15	640.40	237
15:04:21	640.30	84
15:04:21	640.30	615
15:04:21	640.30	444
15:04:21	640.30	3,257
15:04:37	640.30	2,352
15:04:37	640.30	1,178
15:05:19	640.40	3,925
15:06:11	640.50	1,925
15:06:12	640.50	947
15:06:14	640.50	200
15:06:26	640.50	661
15:06:29	640.40	2,353
15:06:57	640.40	1,535
15:08:20	640.30	2,468
15:08:38	640.20	740
15:08:38	640.20	670
15:08:38	640.20	1,830
15:08:39	640.20	2,000
15:08:39	640.20	948
15:09:11	640.30	2,667
15:09:59	640.10	1,967
15:10:19	640.00	1,180
15:11:12	640.20	160
15:11:12	640.20	2,645
15:11:12	640.20	1,682
15:11:30	640.20	3,346
15:11:47	640.30	1,404
15:12:06	640.30	160
15:12:06	640.30	1,475
15:12:06	640.30	512



15:13:16	640.10	899
15:13:56	640.20	533
15:14:01	640.20	2,741
15:15:00	640.20	1,804
15:15:05	640.20	94
15:15:05	640.20	2,000
15:15:05	640.20	938
15:17:43	640.10	1,793
15:17:43	640.10	500
15:17:43	640.10	465
15:17:43	640.10	1,737
15:17:43	640.10	500
15:17:43	640.10	257
15:17:43	640.10	1,751
15:17:43	640.10	1,462
15:17:43	640.10	1,431
15:17:48	640.10	1,435
15:17:48	640.10	267
15:17:48	640.10	513
15:19:31	640.00	1,207
15:19:31	640.00	2,250
15:19:31	640.00	1,531
15:19:31	640.00	2,000
15:19:31	640.00	2,000
15:19:31	640.00	1,166
15:19:31	640.00	1,207
15:19:32	640.00	793
15:19:32	640.00	2,000
15:19:32	640.00	3,668
15:19:33	640.00	2,000
15:19:33	640.00	2,000
15:19:33	640.00	1,676
15:19:33	640.00	1,166
15:19:33	640.00	300
15:19:33	640.00	1,481
15:19:34	640.00	2,000
15:19:34	640.00	1,604
15:19:38	639.90	866
15:19:38	639.90	1,638
15:19:39	639.80	2,000
15:20:26	639.80	699
15:20:26	639.80	2,877
15:20:40	639.70	286
15:20:53	639.70	1,268
15:21:20	639.80	465
15:21:20	639.80	1,091
15:21:20	639.80	2,935
15:21:28	639.80	2,968
15:22:48	639.70	500
15:22:48	639.70	637

15:22:53	639.60	465
15:22:55	639.60	158
15:23:07	639.60	1,591
15:23:28	639.50	3,416
15:23:28	639.50	1,985
15:23:33	639.40	1,812
15:24:12	639.60	3,294
15:26:39	639.90	392
15:26:39	639.90	683
15:26:39	639.90	753
15:26:59	639.90	1,564
15:26:59	639.90	1,729
15:27:41	639.90	500
15:27:48	639.90	352
15:27:48	639.90	345
15:28:12	639.80	1,673
15:28:12	639.80	2,000
15:28:12	639.80	221
15:29:28	639.80	4,497
15:29:28	639.70	501
15:29:28	639.70	2,000
15:29:28	639.80	12
15:29:42	639.80	393
15:29:57	639.90	3,257
15:29:57	639.90	731
15:29:58	639.90	1,609
15:30:53	639.90	1,142
15:30:53	639.90	150
15:32:10	639.90	100
15:32:10	639.90	500
15:32:19	639.90	2,063
15:32:19	639.90	146
15:33:02	639.90	500
15:33:02	639.90	43
15:35:25	640.10	265
15:35:25	640.10	2,236
15:35:49	640.20	943
15:35:49	640.20	204
15:35:50	640.10	1,081
15:36:24	640.20	1,136
15:36:29	640.20	463
15:36:29	640.20	320
15:36:29	640.20	364
15:38:56	640.30	192
15:39:02	640.40	870
15:39:02	640.40	18
15:39:02	640.40	2,000
15:39:02	640.40	569
15:39:02	640.40	465
15:39:02	640.40	105

15:39:02	640.40	1,025
15:39:02	640.40	158
15:39:02	640.40	325
15:39:03	640.30	2,000
15:39:03	640.30	57
15:39:50	640.30	1,136
15:40:06	640.20	465
15:40:06	640.20	500
15:40:06	640.20	300
15:40:06	640.20	364
15:40:33	640.00	1,306
15:41:27	639.80	1,154
15:41:27	639.80	469
15:41:32	639.70	1,736
15:41:47	639.70	465
15:41:55	639.70	501
15:41:55	639.70	465
15:42:42	639.70	2,430
15:42:42	639.70	391
15:42:42	639.70	794
15:42:42	639.70	909
15:42:57	639.60	2,534
15:44:23	640.10	5,235
15:44:23	640.10	2,000
15:44:23	640.10	120
15:44:23	640.10	1,938
15:45:01	640.10	818
15:45:01	640.10	271
15:45:02	640.10	654
15:45:15	640.00	465
15:45:15	640.00	675
15:45:44	639.90	3,547
15:47:04	640.00	287
15:47:19	640.00	162
15:47:26	640.00	2,867
15:47:26	640.00	465
15:47:30	640.00	158
15:47:30	640.00	1,990
15:48:09	640.00	500
15:48:09	640.00	144
15:48:09	640.00	505
15:48:44	640.00	4,528
15:48:44	640.00	1,102
15:48:44	640.00	482
15:48:52	640.00	2,681
15:49:52	639.90	72
15:50:32	639.90	2,281
15:50:44	639.90	1,273
15:51:36	639.90	1,213
15:52:00	639.70	913

15:52:13	639.70	607
15:52:59	639.70	1,643
15:53:43	639.70	2,000
15:53:44	639.70	1,303
15:53:44	639.70	135
15:54:19	639.60	500
15:54:19	639.60	500
15:54:22	639.60	1,622
15:54:42	639.60	75
15:54:42	639.60	1,439
15:58:02	639.50	490
15:59:06	639.50	100
15:59:24	639.50	500
15:59:24	639.50	500
15:59:36	639.50	100
16:00:11	639.60	2,032
16:00:25	639.60	3,340
16:01:01	639.60	1,300
16:01:01	639.60	1,370
16:01:01	639.60	1,580
16:01:01	639.60	1,160
16:01:01	639.60	717
16:01:01	639.60	2,499
16:01:01	639.60	1,894
16:01:02	639.60	334
16:01:03	639.60	465
16:01:03	639.60	3,270
16:01:04	639.60	1,346
16:01:05	639.60	765
16:01:06	639.60	736
16:01:06	639.60	212
16:01:07	639.60	284
16:01:07	639.60	4,959
16:01:09	639.60	2,000
16:01:13	639.60	3,047
16:01:13	639.60	2,000
16:01:18	639.60	2,035
16:01:18	639.60	1,170
16:01:19	639.50	3,647
16:01:33	639.20	3,418
16:02:18	639.20	4,400
16:02:24	639.20	463
16:02:24	639.20	500
16:02:24	639.20	1,038
16:02:50	639.20	500
16:02:50	639.20	463
16:02:50	639.20	182
16:02:54	639.10	1,300
16:02:54	639.10	2,749
16:02:58	639.10	2,967

16:03:12	639.10	3,530
16:03:22	639.10	1,950
16:03:22	639.10	411
16:06:42	639.30	2,077
16:06:42	639.30	1,052
16:06:42	639.30	10
16:07:03	639.30	1,137
16:07:19	639.30	336
16:07:19	639.30	200
16:07:19	639.30	857
16:07:27	639.20	3,638
16:07:27	639.20	2,653
16:07:31	639.20	348
16:07:31	639.20	2,643
16:07:32	639.20	1,578
16:07:55	639.20	5,393
16:07:55	639.20	1,566
16:07:56	639.20	747
16:07:56	639.20	958
16:07:57	639.20	1,248
16:08:19	639.00	2,921
16:08:20	639.00	1,300
16:08:20	639.00	498
16:08:49	639.00	2,643
16:09:24	638.90	1,352
16:09:24	638.90	2,000
16:09:24	638.90	110
16:10:22	638.90	853
16:11:53	639.40	533
16:12:22	639.50	5,468
16:12:46	639.60	5,314
16:12:46	639.60	1,500
16:12:46	639.60	1,489
16:12:46	639.60	2,083
16:12:49	639.60	2,838
16:14:54	639.60	465
16:14:54	639.60	1,400
16:14:54	639.60	646
16:14:54	639.60	393
16:14:54	639.60	307
16:14:54	639.60	266
16:15:41	639.80	1,753
16:15:41	639.80	2,000
16:15:41	639.80	397
16:15:52	639.70	3,352
16:16:24	639.60	440
16:16:24	639.60	465
16:16:24	639.60	2,000
16:16:26	639.60	440
16:16:43	639.60	360

16:16:43	639.60	501
16:16:43	639.50	4,244
16:17:13	639.60	620
16:17:13	639.60	320
16:17:13	639.60	207
16:17:13	639.60	1,081
16:17:55	639.60	465
16:18:50	639.70	3,635
16:18:50	639.70	1,311
16:19:08	639.80	566
16:19:08	639.80	1,400
16:19:08	639.80	1,000
16:19:08	639.80	63
16:19:13	639.80	3,115
16:19:14	639.80	350
16:19:14	639.80	465
16:19:14	639.80	307
16:19:48	639.80	1,055
16:19:57	639.80	954
16:19:57	639.80	284

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Enquiries to:

Jodie Bending  
Shareholder Services Team  
+ 44 (0) 207 992 5784