GS Board Summary
October 29, 2018

Local ID	Domestic No.	CPN	Days	YRS	Maturity	D. Vol (MM)	Last Yield	Traded Time	W. Ave Yld	Bid Yield	Offer Yield	Open Yield	High Yield	Low Yield	Close Yield
RPTB 0 10/31/18	PIBL0618E037		2	0.01	10/31/2018										
RPTB 0 11/07/18	PIBL0618E046		9	0.03	11/7/2018										
RPTB 0 11/14/18	PIBL1217K218		16	0.04	11/14/2018										
RPGB 8 7/8 11/20/18	PIBD1018K478	8.8750	22	0.06	11/20/2018										
RPTB 0 11/21/18	PIBL0618E053		23	0.06	11/21/2018										
RPTB 0 11/28/18	PIBL1217K227		30	0.08	11/28/2018	17.010000	4.500000	10:36:57 AM	4.500000			4.500000	4.500000	4.500000	4.500000
RPTB 0 12/05/18	PIBL0618F063		37	0.10	12/5/2018	4.500000	4.550000	12:11:51 PM	4.533300			4.500000	4.550000	4.500000	4.550000
RPTB 0 12/12/18	PIBL0618F072		44	0.12	12/12/2018										
RPTB 0 12/19/18	PIBL0618F081		51	0.14	12/19/2018										
RPTB 0 12/26/18	PIBL0618F090		58	0.16	12/26/2018										
RPTB 0 01/02/19	PIBL0618G106		65	0.18	1/2/2019										
RPTB 0 01/09/19	PIBL0618G115		72	0.20	1/9/2019										
RPTB 0 01/16/19	PIBL1218A011		79	0.22	1/16/2019										
RPTB 0 01/23/19	PIBL0618G124		86	0.24	1/23/2019	404.390000	4.525000	2:47:33 PM	4.532200	5.000000	4.525000	4.625000	4.625000	4.510000	4.525000
RPTB 0 01/30/19	PIBL1218A020		93	0.26	1/30/2019	299.720000	4.575000	10:31:05 AM	4.909000			4.650000	4.950000	4.525000	4.575000
RPTB 0 02/06/19	PIBL0618H132		100	0.27	2/6/2019										
RPTB 0 02/13/19	PIBL1218B038		107	0.29	2/13/2019	7.820000	4.625000	10:27:25 AM	4.625000		4.625000	4.625000	4.625000	4.625000	4.625000
RPGB 7 7/8 02/19/19	PIBD1019B485	7.8750	113	0.31	2/19/2019	202.500000	5.650000	3:38:16 PM	5.648100			5.500000	5.650000	5.500000	5.650000
RPTB 0 02/20/19	PIBL0618H141		114	0.31	2/20/2019	1.000000	4.650000	10:46:59 AM	4.650000		4.625000	4.650000	4.650000	4.650000	4.650000
RPTB 0 02/27/19	PIBL0618H150		121	0.33	2/27/2019	14.200000	4.630000	2:29:03 PM	4.630000		4.625000	4.630000	4.630000	4.630000	4.630000
RPTB 0 03/06/19	PIBL0618I168		128	0.35	3/6/2019	31.220000	4.750000	2:49:16 PM	4.758000		4.750000	4.800000	4.800000	4.750000	4.750000
RPTB 0 03/13/19	PIBL1218C056		135	0.37	3/13/2019	2.730000	5.250000	10:29:32 AM	5.250000			5.250000	5.250000	5.250000	5.250000
RPTB 0 03/20/19	PIBL0618I177		142	0.39	3/20/2019										
RPTB 0 03/27/19	PIBL1218C064		149	0.41	3/27/2019	10.500000	5.100000	11:37:56 AM	5.069500			4.700000	5.100000	4.700000	5.100000
RPTB 0 04/03/19	PIBL0618J185		156	0.43	4/3/2019										
RPTB 0 04/10/19	PIBL0618J194		163	0.45	4/10/2019	1.500000	4.750000	3:01:39 PM	4.750000			4.750000	4.750000	4.750000	4.750000
RPTB 0 04/17/19	PIBL1218D090		170	0.47	4/17/2019										
RPTB 0 04/24/19	PIBL1218D107		177	0.49	4/24/2019	3.750000	5.800000	12:19:23 PM	5.725300	6.180000		5.700000	5.800000	5.675000	5.800000
RPGB 5 04/26/19	PIBD0719D531	5.0000	179	0.49	4/26/2019	17.580000	5.900000	10:00:02 AM	5.969600			6.055000	6.055000	5.900000	5.900000
RPTB 0 05/15/19	PIBL1218E132		198	0.54	5/15/2019	5.500000	5.685000	11:43:21 AM	5.607700			5.685000	5.685000	5.600000	5.685000
RPTB 0 05/22/19	PIBL1218E142		205	0.56	5/22/2019										
RPTB 0 05/29/19	PIBL1218E151		212	0.58	5/29/2019	36.790000	5.800000	11:09:26 AM	5.793500		5.625000	6.000000	6.000000	5.625000	5.800000
RPTB 0 06/05/19	PIBL1218F169		219	0.60	6/5/2019	1.640000	5.625000	3:00:54 PM	5.625000			5.625000	5.625000	5.625000	5.625000
RPTB 0 06/11/19	PIBL1218F178		225	0.62	6/11/2019	8.090000	5.850000	10:33:59 AM	5.850000			5.850000	5.850000	5.850000	5.850000
RPTB 0 06/19/19	PIBL1218F188		233	0.64	6/19/2019										
RPTB 0 06/26/19	PIBL1218F196		240	0.66	6/26/2019										
RPTB 0 07/03/19	PIBL1218G202		247	0.68	7/3/2019	6.450000	6.020000	11:00:36 AM	5.936200		5.900000	5.915000	6.020000	5.915000	6.020000
RPTB 0 07/10/19	PIBL1218G211		254	0.70	7/10/2019						5.750000				
RPTB 0 07/17/19	PIBL1218G220		261	0.72	7/17/2019	20.430000	6.000000	11:52:12 AM	6.020200		6.000000	6.085000	6.085000	6.000000	6.000000
RPGB 4 3/4 07/19/19	PIBD0719G547	4.7500	263	0.72	7/19/2019										
RPTB 0 07/24/19	PIBL1218G239		268	0.73	7/24/2019						6.000000				
RPTB 0 07/31/19	PIBL1218H249		275	0.75	7/31/2019						6.025000				
RPTB 0 08/07/19	PIBL1218H256		282	0.77	8/7/2019	18.380000	6.100000	10:26:40 AM	6.100000			6.100000	6.100000	6.100000	6.100000
RPTB 0 08/14/19	PIBL1218H265		289	0.79	8/14/2019										
RPTB 0 08/20/19	PIBL1218H274		295	0.81	8/20/2019										
RPTB 0 08/28/19	PIBL1218H283		303	0.83	8/28/2019										
RPGB 4 3/4 08/30/19	PIBD0719H555	4.7500	305	0.84	8/30/2019										
RPTB 0 09/04/19	PIBL1218I291		310	0.85	9/4/2019										
RPTB 0 09/11/19	PIBL1218I308		317	0.87	9/11/2019										
RPTB 0 09/18/19	PIBL1218I317		324	0.89	9/18/2019	10.440000	6.300000	3:12:07 PM	6.300000			6.300000	6.300000	6.300000	6.300000
RPTB 0 10/02/19	PIBL1218J334		338	0.93	10/2/2019										
RPTB 0 10/09/19	PIBL1218J343		345	0.95	10/9/2019	147.220000	6.250000	2:59:18 PM	6.199100		6.250000	6.175000	6.250000	6.175000	6.250000
RPTB 0 10/16/19	PIBL1218J352		352	0.96	10/16/2019	70.000000	6.250000	2:20:12 PM	6.250000		6.250000	6.250000	6.250500	6.250000	6.250000
RPTB 0 10/23/19	PIBL1218J361		359	0.98	10/23/2019	88.820000	6.300000	10:36:45 AM	6.371500	6.500000		6.300000	6.450000	6.275000	6.300000
RPGB 3 7/8 11/22/19	PIBD0719K560	3.8750	389	1.07	11/22/2019										
RPGB 3 3/8 01/12/20	PIBD0320A229	3.3750	440	1.21	1/12/2020										
RPGB 7 3/4 02/18/20	PIBD1020B508	7.7500	477	1.31	2/18/2020										
RPGB 4 1/4 04/11/20	PIID0320D087	4.2500	530	1.45	4/11/2020	19.985000	6.620000	3:29:58 PM	6.624300		6.500000	6.725000	6.750000	6.550000	6.620000

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RPGB 7 1/4 08/19/20	PIID1020H015	7.2500	660	1.81	8/19/2020										
RPGB 3 3/8 08/20/20	PIBD0520H735	3.3750	661	1.81	8/20/2020										
RPGB 6 1/8 09/16/20	PIBD1020I510	6.1250	688	1.88	9/16/2020										
RPGB 5 7/8 12/16/20	PIBD1020L525	5.8750	779	2.13	12/16/2020										
RPGB 4 1/4 01/25/21	PIBD0321A236	4.2500	819	2.24	1/25/2021					7.250000	6.700000				
RPGB 7 3/8 03/03/21	PIID1021C027	7.3750	856	2.34	3/3/2021										
RPGB 3 1/2 03/20/21	PIBD0721C574	3.5000	873	2.39	3/20/2021						6.900000				
RPGB 6 1/2 04/28/21	PIBD1021D531	6.5000	912	2.50	4/28/2021										
RPGB 4 7/8 06/13/21	PIID0321F092	4.8750	958	2.62	6/13/2021	150.800000	6.880000	11:52:29 AM	6.800400			6.800000	6.880000	6.800000	6.880000
RPGB 5 3/4 10/20/21	PIID1021J039	5.7500	1087	2.98	10/20/2021										
RPGB 5 3/4 11/24/21	PIBD1021K551	5.7500	1122	3.07	11/24/2021	1.500000	7.100000	3:47:20 PM	7.100000			7.100000	7.100000	7.100000	7.100000
RPGB 6 3/8 01/19/22	PIBD1022G545	6.3750	1178	3.23	1/19/2022	18.000000	7.200000	2:45:05 PM	7.200000			7.200000	7.200000	7.200000	7.200000
RPGB 4 01/26/22	PIBD0522A747	4.0000	1185	3.24	1/26/2022										
RPGB 15 03/14/22	PIBD2022C021	15.0000	1232	3.37	3/14/2022										
RPGB 4 7/8 08/02/22	PIBD1022H562	4.8750	1373	3.76	8/2/2022										
RPGB 4 3/4 09/13/22	PIBD1022I570	4.7500	1415	3.87	9/13/2022										
RPGB 12 3/4 10/17/22	PIBD2022J033	12.7500	1449	3.97	10/17/2022										
RPGB 4 5/8 12/04/22	PIID0522L114	4.6250	1497	4.10	12/4/2022	260.500000	7.000000	3:30:24 PM	7.103300		6.875000	7.200000	7.200000	7.000000	7.000000
RPGB 4 12/06/22	PIBD1022L585	4.0000	1499	4.10	12/6/2022										
RPGB 13 02/20/23	PIBD2023B048	13.0000	1575	4.31	2/20/2023										
RPGB 5 1/2 03/08/23	PIBD0523C752	5.5000	1591	4.36	3/8/2023					6.875000	6.875000				
RPGB 3 1/2 04/21/23	PIBD0723D588	3.5000	1635	4.48	4/21/2023	254.040000	7.300000	2:44:52 PM	7.226100			7.225000	7.300000	7.225000	7.300000
RPGB 11 7/8 05/29/23	PIBD2023E054	11.8750	1673	4.58	5/29/2023										
RPGB 3 1/4 08/15/23	PIID1023H046	3.2500	1751	4.79	8/15/2023	6.200000	7.450000	11:25:06 AM	7.511300	8.000000		8.200000	8.200000	7.450000	7.450000
RPGB 11 3/8 10/23/23	PIBD2023J068	11.3750	1820	4.98	10/23/2023										
RPGB 4 1/2 04/20/24	PIBD0724D595	4.5000	2000	5.48	4/20/2024	200.000000	7.650000	3:51:00 PM	7.650000			7.650000	7.650000	7.650000	7.650000
RPGB 12 3/8 06/03/24	PIBD2024F075	12.3750	2044	5.60	6/3/2024										
RPGB 12 7/8 08/05/24	PIBD2024H086	12.8750	2107	5.77	8/5/2024										
RPGB 4 1/8 08/20/24	PIBD1024H595	4.1250	2122	5.81	8/20/2024										
RPGB 13 3/4 11/11/24	PIBD2024K091	13.7500	2205	6.04	11/11/2024										
RPGB 5 3/4 04/12/25	PIBD0725D618	5.7500	2357	6.45	4/12/2025	127.080000	7.375000	9:02:09 AM	7.443900			7.500000	7.500000	7.375000	7.375000
RPGB 12 1/8 04/14/25	PIBD2025D103	12.1250	2359	6.46	4/14/2025										
RPGB 3 5/8 09/09/25	PIBD1025I608	3.6250	2507	6.86	9/9/2025	6.500000	7.700000	2:02:53 PM	7.700000			7.700000	7.700000	7.700000	7.700000
RPGB 12 1/8 10/20/25	PIBD2025J116	12.1250	2548	6.98	10/20/2025										
RPGB 18 1/4 11/29/25	PIBD2525K015	18.2500	2588	7.09	11/29/2025										
RPGB 10 1/4 01/19/26	PIBD2026A122	10.2500	2639	7.23	1/19/2026										
RPGB 3 1/2 09/20/26	PIID1026I057	3.5000	2883	7.89	9/20/2026	200.000000	7.850000	3:48:07 PM	7.850000			7.850000	7.850000	7.850000	7.850000
RPGB 6 1/4 10/20/26	PIID1526J019	6.2500	2913	7.98	10/20/2026										
RPGB 8 12/07/26	PIBD2026L139	8.0000	2961	8.11	12/7/2026										
RPGB 5 3/8 03/01/27	PIID1527C023	5.3750	3045	8.34	3/1/2027										
RPGB 4 3/4 05/04/27	PIBD1027E617	4.7500	3109	8.51	5/4/2027										
RPGB 8 5/8 09/06/27	PIBD2027I140	8.6250	3234	8.85	9/6/2027										
RPGB 6 1/4 03/22/28	PIBD1028C635	6.2500	3432	9.40	3/22/2028	186.000000	7.950000	11:55:09 AM	7.936600	8.000000		7.950000	7.950000	7.900000	7.950000
RPGB 9 1/2 12/04/28	PIBD2028L151	9.5000	3689	10.10	12/4/2028										
RPGB 8 3/4 05/27/30	PIBD2030E166	8.7500	4228	11.58	5/27/2030						7.950000				
RPGB 12 1/2 07/28/30	PIBD2530G029	12.5000	4290	11.75	7/28/2030										
RPGB 11 1/4 01/26/31	PIBD2531A032	11.2500	4472	12.24	1/26/2031										
RPGB 8 07/19/31	PIBD2031G171	8.0000	4646	12.72	7/19/2031	2.095000	7.805000	11:43:46 AM	7.869700	7.950000		7.890000	7.890000	7.805000	7.805000
RPGB 9 3/8 10/05/31	PIBD2531J042	9.3750	4724	12.93	10/5/2031										
RPGB 5 7/8 02/02/32	PIBD2032B183	5.8750	4844	13.26	2/2/2032										
RPGB 5 7/8 03/01/32	PIID2032C014	5.8750	4872	13.34	3/1/2032										
RPGB 5 3/4 09/27/32	PIBD2032I195	5.7500	5082	13.91	9/27/2032										
RPGB 8 1/2 11/29/32	PIBD2532K057	8.5000	5145	14.09	11/29/2032										
RPGB 3 5/8 03/21/33	PIBD2033C206	3.6250	5257	14.39	3/21/2033	50.000000	8.050000	2:19:57 PM	8.050000			8.050000	8.050000	8.050000	8.050000
RPGB 9 1/4 11/05/34	PIBD2534K062	9.2500	5851	16.02	11/5/2034										
RPGB 8 09/30/35	PIBD2535I071	8.0000	6180	16.92	9/30/2035										
RPGB 8 1/8 12/16/35	PIBD2535L086	8.1250	6257	17.13	12/16/2035										
RPGB 7 5/8 09/29/36	PIBD2536I097	7.6250	6545	17.92	9/29/2036										
RPGB 5 1/4 05/18/37	PIBD2037E214	5.2500	6776	18.55	5/18/2037										
RPGB 5 3/4 08/16/37	PIBD2537H103	5.7500	6866	18.80	8/16/2037										
RPGB 6 1/8 10/24/37	PIID2537J015	6.1250	6935	18.99	10/24/2037	4.630000	8.200000	3:02:51 PM	8.200000	8.250000	8.150000	8.200000	8.200000	8.200000	8.200000
RPGB 6 1/2 02/22/38	PIBD2038B224	6.5000	7056	19.32	2/22/2038										
RPGB 4 5/8 09/09/40	PIBD2540I116	4.6250	7986	21.86	9/9/2040										