

Jared Chicoine
Commissioner
New Hampshire Department of Energy
21 South Fruit Street, Suite 10
Concord, NH 03301

Michael Licata
Director, Government Affairs
Eversource Energy

**Re: Proposed Process of GLHA For Determining Generation Eligible for
Participation in Net Energy Metering Pursuant to RSA 362-A:9, XX**

Dear Commissioner Chicoine and Mr. Licata:

Great Lakes Hydro America, LLC (“GLHA”) is pleased to submit the attached proposed process for determining generation eligible for participation in net energy metering as further described in RSA 362-A:9, XX, along with supporting material.

As required by RSA 362-A:9, XX, GLHA looks forward to the approval of the proposed process upon the completion of your expeditious review, and we are available to answer questions or address concerns at your convenience.

Sincerely,



Steve Zuretti
Senior Director, Origination and Policy
Steven.Zuretti@brookfieldrenewable.com

cc: Mr. Evan Behrens, White Mountain Paper

REDACTED

**PROPOSED PROCESS OF GLHA
FOR DETERMINING GENERATION ELIGIBLE FOR PARTICIPATION IN
NET ENERGY METERING PURSUANT TO RSA 362-A:9, XX**

Great Lakes Hydro America, LLC (“GLHA”) proposes the following process for determining generation eligible for participation in net energy metering, consistent with the provisions of RSA 362-A:9, XX.

INTRODUCTION

GLHA owns and operates a system of six hydroelectric generating facilities (collectively, the “Berlin Hydroelectric Facilities”) on the Androscoggin River near Berlin, New Hampshire, which are electrically co-located with White Mountain Paper’s Cascade Mill at the Goebel St. Substation. The Berlin Hydroelectric Facilities share with the Mill equipment and facilities for interconnection to the electric grid. Listed in terms of “electrical proximity” to the Mill, the closest Berlin Hydroelectric Facility is Cascade Hydro (which is co-located on the Mill property), followed by Gorham Hydro, Shelburne Hydro, Cross Power Hydro, Riverside Hydro, and Sawmill Hydro.¹ The Gorham, Shelburne, Cross Power, and Sawmill Hydros are eligible to participate in Group Net Metering, while the Cascade and Riverside Hydros are not due to the latter two stations exceeding the 5 MW Group Net Metering restriction.² Although GLHA is not the current electric utility customer at the point of interconnection to the electric grid, the Berlin Hydroelectric Facilities were at one time (together with the Cascade Mill) owned by Pulp and Paper of America, LLC, which was then an electric utility customer of Public Service of New Hampshire at the point

¹ The Facilities are sorted based on the directness of their distribution paths to the Mill. This arrangement reflects the higher likelihood that electricity from the electrically closest Facility will serve Mill load first. See Exhibit A for a simplified one-line diagram of the Berlin Hydroelectric Facilities, White Mountain Paper’s Cascade Mill, and their shared equipment or facilities for interconnection to the electrical grid.

² See RSA 362-A:1a, II-b & 362-A:9, XX. Nameplate capacity of each station includes Cascade – 7.9MW, Riverside – 7.9MW, Gorham – 4.8MW, Cross – 3.2MW, Shelburne – 3.7MW and Sawmill – 3.1MW.

of interconnection to the electric grid, and are therefore eligible to participate in New Hampshire’s net metering program pursuant to RSA 362-A:9, XX.

As explained in more detail below, GLHA proposes a meter reading and billing determinant documentation process based on electrical proximity to the Mill that determines the generation eligible for net energy metering credits and allows for an hourly accounting of Mill load while permitting efficient participation of the Berlin Hydroelectric Facilities in the net metering program. As noted below, this proposal is consistent with applicable law.

STATUTORY BACKGROUND

The Senate and House of Representatives recently passed legislation, which was signed by the Governor on June 30, 2023, amending the state’s net metering law to allow for the participation of certain small hydroelectric generators.³ As amended, the law allows eligible hydroelectric generators to participate in net metering based on the total peak generating capacity of each individual generating station without regard to whether the owner of the generating station holds the electric utility customer account of record at the point of interconnection, subject to certain conditions.⁴ Qualifying hydroelectric generators include those that were at one time owned by a former electric utility customer at the point of interconnection to the electric grid.⁵ To participate, a hydroelectric generator must submit a proposed process and methodology before July 1, 2024 that describes a meter reading and billing determinant documentation process that determines the generation eligible for net energy metering credits.⁶ The hydroelectric generator must submit the proposed process to the New Hampshire Department of Energy (the “Department”) and the relevant utility for approval and provide a copy to the electric utility customer account of record

³ N.H. Senate Bill 40 (2023), amending RSA 362-A:9, XX.

⁴ *Id.*

⁵ *Id.*

⁶ *Id.*

at the point of interconnection to the electric grid before beginning participation in the net metering program.⁷ The Department and the utility “shall endeavor to review the methodology as expeditiously as possible,” and the customer may express any concerns regarding the proposal.⁸ Although the Department or the utility is allowed to reject the proposal, the reason for the rejection “shall be adequately specific so that the hydroelectric generator may make the changes necessary to receive approval.”⁹

METERING PROPOSAL

Consistent with RSA 362-A:9, XX and principles of electrical engineering, GLHA proposes to sequence the allocation of generation based on the electrical proximity of each generating station to the Mill. Electrical proximity in this context refers first to those stations with the most direct path for electricity to flow to serve the Mill load (see Exhibit A for additional detail).

Specifically, GLHA would apply the hourly load of the Mill across each Berlin Hydroelectric Facility and sequence the allocation of generation based on the electrical proximity of each station to the Mill. For example, Cascade Hydro, the station which is physically within the Mill property, and from which electricity flows directly to serve Mill demand first, would be presumed to supply Mill load before the next closest station, Gorham Hydro, followed by Shelburne Hydro, Cross Power Hydro, Riverside Hydro, and Sawmill Hydro *ad seriatim*.

To implement this proposal, GLHA will perform the following calculations on an hourly basis:

- First, GLHA will take hourly data on the Mill’s full electrical energy requirements. GLHA will deduct from that load the hourly production of Cascade Hydro.

⁷ *Id.*

⁸ *Id.*

⁹ *Id.*

- If the net value is still positive (meaning the Mill's load exceeded Cascade Hydro's production in that hour), GLHA will then deduct from that value the hourly production of Gorham Hydro until the net value reaches zero.
- If the net value is still positive (meaning the Mill's load exceeded the sum of Cascade and Gorham Hydro's production in that hour), GLHA will then deduct from that value the hourly production of Shelburne Hydro until the net value reaches zero.
- If the net value is still positive, GLHA will continue to deduct from that value the hourly production of the next-nearest Berlin Hydroelectric Facility (based on electrical proximity), until the net value reaches zero.
- Following the deductions described above to reduce the net Mill load to zero, any remaining eligible supply (i.e., from stations with generating capacities less than 5MW) shall be used for net metering consistent with RSA 362-A:9, XX. On a monthly basis, GLHA shall report billing determinants to Eversource consistent with this process, including hourly energy and hourly peak demand values.
- The hourly production of each station is the generation net of station service measured by revenue grade meters. Three stations have direct readings of the net station generation from dedicated meters. The other three stations meter individual unit generation and station service directly to calculate the net generation for each station.

This process is consistent with applicable law and reflects the supply of power from the Berlin Hydroelectric Facilities to the Mill. The meters in question are revenue-grade and are tested and calibrated on a regular cycle.

Please see Exhibit B for an illustration of how this proposal would have applied to actual results from a past period, based on historic data for Mill load and Berlin Hydroelectric Facility Production.¹⁰

Furthermore, in any year the Berlin Hydroelectric Facilities participate in the Group Net Metering program, GLHA shall annually transfer to Eversource a portion of ISO New England capacity revenues received by GLHA with respect to the Berlin Hydroelectric Facilities for the applicable year – the amount of which shall be determined based on the share of capacity attributed

¹⁰ In the alternative, if preferred by the Department, GLHA could also employ a revised approach analogous to the approach described herein based on geographical distance of the Berlin Hydroelectric Facilities from the Mill. A revised ordering of the Berlin Hydroelectric Facilities based on geographical distance from the Mill would be Cascade Hydro, Cross Power Hydro, Riverside Hydro, Sawmill Hydro, Gorham Hydro and Shelburne Hydro.

to each participating station (netting for capacity contributions from otherwise ineligible or non-participating stations) and the duration of participation during the applicable year. For example, if each of the four eligible facilities (Gorham, Shelburne, Cross, Sawmill) participate in Group Net Metering throughout 2024, the ISO-NE Capacity revenues for calendar year 2024 would be prorated to approximately 48.4% and the resulting amount would be transferred to Eversource. In this example, the 48.4% proration is established by dividing the aggregate nameplate capacity of the four participating eligible stations (14.80MW) by the total nameplate capacity of the six-station composite (30.60MW). If, however, only Cross (3.2MW) participates throughout 2024, the capacity transfer would total about 10.5% of revenues paid by ISO-NE for calendar year 2024.

Finally, an 8MW/16MWh battery storage project (“Berlin BESS”) is under development and anticipated to achieve commercial operation later this year. The Berlin BESS will not participate in the Group Net Metering program. Although interconnected to the ISO-NE system at the Goebel Street Substation, Berlin BESS is designed as a standalone ISO-NE asset, separate from the Berlin Hydroelectric Facilities. The Berlin BESS will include ISO-NE directed dispatch and individual ISO-NE metering to track charging and discharging on a sub-hourly basis. Settlement will include ISO-NE wholesale LMP charges to Berlin BESS for consumption. Once the Berlin BESS is operational, the methodology proposed in this submittal will continue to be implemented in the same manner, only with the total hydro station generation (as metered at the individual stations, netting for station service) reduced by the total energy exports to the ISO-NE system metered at the point of interconnection (such difference, the “behind-the-meter consumption calculation”). That difference will be further adjusted by the ISO-NE settlement data for the Berlin BESS (upwards if the BESS is a net generator and downwards if the BESS is a net load) to determine the Mill’s electrical energy consumption on an hourly basis. For example, if in

a single hour the Berlin BESS is a 2 MWh net generator (thereby increasing net generation at the point of interconnection by 2 MWh), that 2 MWh will be added to the behind the meter consumption calculation to ensure the Mill's load in that hour is not understated. If instead in such hour the Berlin BESS is a 2 MWh net load (thereby decreasing net generation at the point of interconnection by 2 MWh), that 2 MWh will be deducted from the behind the meter consumption calculation to ensure the Mill's load in that hour is not overstated.

Upon approval of the process, GLHA shall assume liability for monthly meter readings and providing all requisite billing determinants and other necessary data to the utility for billing purposes, including issuing net metering credits. Consistent with the law, the utility shall bill according to the information received from the hydroelectric generator, but shall not be liable for the accuracy of meter readings or the ongoing maintenance and performance of the meter.

GLHA shall be subject to periodic audits of the documentation and records associated with the meter reading process to ensure compliance with all statutes, rules and tariffs. Audits will be conducted on an as-needed basis, and may be requested by White Mountain Paper, but no more frequently than annually, which shall be determined and authorized by the Department, and conducted by Eversource. The audit results shall be shared with White Mountain Paper. GLHA shall be responsible for all meter costs reasonably necessary to implement the proposed process, including those for ongoing operation and maintenance, as well as all audit costs.

CONCLUSION

The proposed process ensures that the Berlin Hydroelectric Facilities only participate in net metering for that portion of their hydroelectric generation in excess of their contribution to serving White Mountain Paper's full requirements at the point of interconnection to the electric

grid. GLHA appreciates the Department's and Eversource's expeditious review of this metering proposal and is available to answer questions at your convenience.

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Attachment A contains a confidential one-line diagram

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Date Time	Mill Load (MWh)	Berlin Generation (MWh)	Eligible Generation (MWh)	NEW ENGLAND D. Berlin 10424 Tie Line, Hourly, Generation	Cascade Station Net (MWh)	Gorham Station Net (MWh)	Shelburne Station Net (MWh)	Cross Station Net (MWh)	Riverside Station Net (MWh)	Sawmill Station Net (MWh)	Eligible	Eligible	Eligible	Eligible		
											Cascade (MWh) Method Sequential	Gorham (MWh) Method Sequential	Shelburne (MWh) Method Sequential	Cross (MWh) Method Sequential	Riverside (MWh) Method Sequential	Sawmill (MWh) Method Sequential
01-Jun-23 00:00:00			2.33	8.96							0.00	0.00	0.00	0.94	6.63	1.39
01-Jun-23 01:00:00			2.32	8.94							0.00	0.00	0.00	0.94	6.62	1.38
01-Jun-23 02:00:00			2.28	8.92							0.00	0.00	0.00	0.90	6.64	1.38
01-Jun-23 03:00:00			2.30	8.94							0.00	0.00	0.00	0.92	6.64	1.38
01-Jun-23 04:00:00			2.29	8.93							0.00	0.00	0.00	0.91	6.64	1.38
01-Jun-23 05:00:00			2.27	8.91							0.00	0.00	0.00	0.89	6.64	1.38
01-Jun-23 06:00:00			2.29	8.92							0.00	0.00	0.00	0.90	6.64	1.38
01-Jun-23 07:00:00			2.29	8.93							0.00	0.00	0.00	0.91	6.64	1.38
01-Jun-23 08:00:00			2.29	8.94							0.00	0.00	0.00	0.92	6.65	1.38
01-Jun-23 09:00:00			2.29	8.93							0.00	0.00	0.00	0.91	6.64	1.38
01-Jun-23 10:00:00			2.29	8.93							0.00	0.00	0.00	0.91	6.64	1.38
01-Jun-23 11:00:00			2.20	8.26							0.00	0.00	0.00	0.83	6.07	1.37
01-Jun-23 12:00:00			2.20	8.72							0.00	0.00	0.00	0.79	6.53	1.41
01-Jun-23 13:00:00			2.22	8.63							0.00	0.00	0.00	0.80	6.42	1.42
01-Jun-23 14:00:00			2.10	8.52							0.00	0.00	0.00	0.69	6.42	1.41
01-Jun-23 15:00:00			2.11	8.53							0.00	0.00	0.00	0.70	6.42	1.41
01-Jun-23 16:00:00			2.12	8.54							0.00	0.00	0.00	0.71	6.41	1.41
01-Jun-23 17:00:00			1.99	8.41							0.00	0.00	0.00	0.58	6.41	1.41
01-Jun-23 18:00:00			2.46	8.87							0.00	0.00	0.00	1.04	6.41	1.41
01-Jun-23 19:00:00			5.39	11.66							0.00	1.08	1.46	1.44	6.26	1.41
01-Jun-23 20:00:00			5.98	12.25							0.00	1.14	2.04	1.39	6.26	1.41
01-Jun-23 21:00:00			4.27	10.53							0.00	0.00	1.44	1.41	6.26	1.42
01-Jun-23 22:00:00			4.13	10.39							0.00	0.59	0.71	1.41	6.26	1.42
01-Jun-23 23:00:00			5.52	11.78							0.00	1.12	1.58	1.40	6.26	1.42
02-Jun-23 00:00:00			4.84	11.09							0.00	0.28	1.72	1.41	6.25	1.42
02-Jun-23 01:00:00			3.44	9.71							0.00	0.00	0.60	1.42	6.27	1.42
02-Jun-23 02:00:00			2.63	8.89							0.00	0.00	0.00	1.21	6.26	1.42
02-Jun-23 03:00:00			2.30	8.56							0.00	0.00	0.00	0.87	6.27	1.42
02-Jun-23 04:00:00			2.37	8.85							0.00	0.00	0.00	0.95	6.48	1.42
02-Jun-23 05:00:00			2.38	8.92							0.00	0.00	0.00	0.95	6.54	1.42
02-Jun-23 06:00:00			2.49	9.02							0.00	0.00	0.00	1.07	6.53	1.42
02-Jun-23 07:00:00			2.76	9.19							0.00	0.00	0.00	1.33	6.43	1.43
02-Jun-23 08:00:00			2.82	9.32							0.00	0.00	0.00	1.40	6.50	1.42
02-Jun-23 09:00:00			2.74	9.25							0.00	0.00	0.00	1.33	6.50	1.42
02-Jun-23 10:00:00			2.79	9.29							0.00	0.00	0.00	1.37	6.50	1.41
02-Jun-23 11:00:00			2.74	9.24							0.00	0.00	0.00	1.33	6.50	1.41
02-Jun-23 12:00:00			2.66	9.16							0.00	0.00	0.00	1.25	6.50	1.41
02-Jun-23 13:00:00			2.72	9.22							0.00	0.00	0.00	1.32	6.50	1.40
02-Jun-23 14:00:00			2.81	9.30							0.00	0.00	0.00	1.41	6.49	1.40
02-Jun-23 15:00:00			2.78	9.27							0.00	0.00	0.00	1.37	6.49	1.41
02-Jun-23 16:00:00			2.86	9.37							0.00	0.00	0.00	1.45	6.51	1.41
02-Jun-23 17:00:00			2.76	9.26							0.00	0.00	0.00	1.35	6.50	1.41
02-Jun-23 18:00:00			2.85	9.39							0.00	0.00	0.00	1.44	6.54	1.41
02-Jun-23 19:00:00			2.86	9.30							0.00	0.00	0.00	1.46	6.44	1.41
02-Jun-23 20:00:00			2.77	9.35							0.00	0.00	0.00	1.36	6.59	1.40
02-Jun-23 21:00:00			2.81	9.41							0.00	0.00	0.00	1.39	6.60	1.42
02-Jun-23 22:00:00			3.02	9.68							0.00	0.00	0.00	1.45	6.66	1.57
02-Jun-23 23:00:00			3.26	10.08							0.00	0.00	0.00	1.49	6.82	1.77
03-Jun-23 00:00:00			3.18	9.99							0.00	0.00	0.00	1.49	6.81	1.69
03-Jun-23 01:00:00			3.51	10.33							0.00	0.00	0.27	1.52	6.81	1.73
03-Jun-23 02:00:00			3.80	10.62							0.00	0.00	0.52	1.52	6.82	1.75
03-Jun-23 03:00:00			3.94	10.76							0.00	0.00	0.61	1.53	6.83	1.79
03-Jun-23 04:00:00			4.06	10.91							0.00	0.00	0.67	1.53	6.85	1.86
03-Jun-23 05:00:00			4.04	10.90							0.00	0.00	0.67	1.53	6.86	1.84
03-Jun-23 06:00:00			3.70	10.54							0.00	0.00	0.38	1.53	6.84	1.79
03-Jun-23 07:00:00			3.49	10.33							0.00	0.00	0.25	1.52	6.84	1.72
03-Jun-23 08:00:00			3.41	10.24							0.00	0.00	0.20	1.52	6.82	1.69
03-Jun-23 09:00:00			3.41	10.15							0.00	0.00	0.22	1.52	6.74	1.67
03-Jun-23 10:00:00			3.34	10.02							0.00	0.00	0.18	1.51	6.68	1.65
03-Jun-23 11:00:00			2.85	9.04							0.00	0.00	0.02	1.39	6.19	1.43
03-Jun-23 12:00:00			2.57	8.77							0.00	0.00	0.00	1.15	6.20	1.41
03-Jun-23 13:00:00			2.33	8.49							0.00	0.00	0.00	0.92	6.16	1.41
03-Jun-23 14:00:00			1.84	7.79							0.00	0.00	0.00	0.43	5.95	1.40
03-Jun-23 15:00:00			1.75	7.69							0.00	0.00	0.00	0.35	5.95	1.40
03-Jun-23 16:00:00			1.84	7.79							0.00	0.00	0.00	0.44	5.95	1.40
03-Jun-23 17:00:00			1.79	7.73							0.00	0.00	0.00	0.39	5.94	1.40
03-Jun-23 18:00:00			1.88	7.82							0.00	0.00	0.00	0.48	5.94	1.40
03-Jun-23 19:00:00			1.93	7.62							0.00	0.00	0.00	0.53	5.69	1.41
03-Jun-23 20:00:00			1.87	7.56							0.00	0.00	0.00	0.46	5.69	1.41
03-Jun-23 21:00:00			1.83	7.72							0.00	0.00	0.00	0.42	5.88	1.41
03-Jun-23 22:00:00			1.75	7.70							0.00	0.00	0.00	0.34	5.95	1.42
03-Jun-23 23:00:00			1.44	7.39							0.00	0.00	0.00	0.03	5.95	1.41
04-Jun-23 00:00:00			1.56	7.57							0.00	0.00	0.00	0.15	6.01	1.41
04-Jun-23 01:00:00			1.63	7.58							0.00	0.00	0.00	0.23	5.95	1.41
04-Jun-23 02:00:00			1.73	7.68							0.00	0.00	0.00	0.34	5.95	1.40
04-Jun-23 03:00:00			1.98	8.00							0.00	0.00	0.00	0.58	6.02	1.40

04-Jun-23 04:00:00	1.97	7.72	0.00	0.00	0.00	0.56	5.75	1.41
04-Jun-23 05:00:00	1.84	7.51	0.00	0.00	0.00	0.44	5.67	1.41
04-Jun-23 06:00:00	1.81	7.47	0.00	0.00	0.00	0.40	5.66	1.40
04-Jun-23 07:00:00	1.70	7.36	0.00	0.00	0.00	0.29	5.66	1.41
04-Jun-23 08:00:00	1.53	7.20	0.00	0.00	0.00	0.12	5.67	1.41
04-Jun-23 09:00:00	1.40	6.95	0.00	0.00	0.00	0.00	5.54	1.40
04-Jun-23 10:00:00	1.40	6.64	0.00	0.00	0.00	0.00	5.23	1.40
04-Jun-23 11:00:00	1.40	6.55	0.00	0.00	0.00	0.00	5.15	1.40
04-Jun-23 12:00:00	1.40	6.74	0.00	0.00	0.00	0.00	5.33	1.40
04-Jun-23 13:00:00	1.40	6.41	0.00	0.00	0.00	0.00	5.01	1.40
04-Jun-23 14:00:00	1.38	6.16	0.00	0.00	0.00	0.00	4.78	1.38
04-Jun-23 15:00:00	1.38	6.06	0.00	0.00	0.00	0.00	4.68	1.38
04-Jun-23 16:00:00	1.38	5.93	0.00	0.00	0.00	0.00	4.55	1.38
04-Jun-23 17:00:00	1.38	5.84	0.00	0.00	0.00	0.00	4.46	1.38
04-Jun-23 18:00:00	1.39	5.96	0.00	0.00	0.00	0.00	4.57	1.39
04-Jun-23 19:00:00	1.39	6.08	0.00	0.00	0.00	0.00	4.70	1.39
04-Jun-23 20:00:00	1.41	6.20	0.00	0.00	0.00	0.00	4.79	1.41
04-Jun-23 21:00:00	1.41	6.90	0.00	0.00	0.00	0.00	5.49	1.41
04-Jun-23 22:00:00	1.40	7.07	0.00	0.00	0.00	0.00	5.66	1.40
04-Jun-23 23:00:00	1.40	7.26	0.00	0.00	0.00	0.00	5.86	1.40
05-Jun-23 00:00:00	1.40	6.95	0.00	0.00	0.00	0.00	5.55	1.40
05-Jun-23 01:00:00	1.39	6.95	0.00	0.00	0.00	0.00	5.56	1.39
05-Jun-23 02:00:00	2.39	7.58	0.00	0.00	0.00	1.00	5.19	1.38
05-Jun-23 03:00:00	1.78	6.94	0.00	0.00	0.00	0.39	5.16	1.39
05-Jun-23 04:00:00	1.81	6.98	0.00	0.00	0.00	0.42	5.17	1.39
05-Jun-23 05:00:00	2.74	7.92	0.00	0.00	0.24	1.12	5.18	1.39
05-Jun-23 06:00:00	1.86	7.18	0.00	0.00	0.00	0.46	5.31	1.41
05-Jun-23 07:00:00	1.40	6.80	0.00	0.00	0.00	0.00	5.39	1.40
05-Jun-23 08:00:00	1.53	7.04	0.00	0.00	0.00	0.13	5.50	1.41
05-Jun-23 09:00:00	1.99	7.52	0.00	0.00	0.00	0.58	5.53	1.40
05-Jun-23 10:00:00	1.62	7.24	0.00	0.00	0.00	0.21	5.62	1.41
05-Jun-23 11:00:00	2.84	8.38	0.00	0.00	0.19	1.24	5.53	1.41
05-Jun-23 12:00:00	2.27	7.80	0.00	0.00	0.00	0.86	5.53	1.41
05-Jun-23 13:00:00	2.01	7.55	0.00	0.00	0.00	0.61	5.53	1.41
05-Jun-23 14:00:00	2.14	7.64	0.00	0.00	0.00	0.73	5.51	1.41
05-Jun-23 15:00:00	2.18	7.64	0.00	0.00	0.00	0.78	5.46	1.40
05-Jun-23 16:00:00	2.15	7.72	0.00	0.00	0.00	0.75	5.57	1.40
05-Jun-23 17:00:00	2.15	7.58	0.00	0.00	0.00	0.75	5.43	1.40
05-Jun-23 18:00:00	2.44	8.01	0.00	0.00	0.00	1.04	5.57	1.41
05-Jun-23 19:00:00	2.46	7.97	0.00	0.00	0.00	1.05	5.51	1.41
05-Jun-23 20:00:00	2.48	8.40	0.00	0.00	0.00	1.08	5.92	1.40
05-Jun-23 21:00:00	2.51	8.54	0.00	0.00	0.00	1.11	6.02	1.41
05-Jun-23 22:00:00	2.54	8.56	0.00	0.00	0.00	1.13	6.01	1.42
05-Jun-23 23:00:00	2.71	8.71	0.00	0.00	0.02	1.27	6.00	1.42
06-Jun-23 00:00:00	2.77	8.78	0.00	0.00	0.02	1.34	6.01	1.41
06-Jun-23 01:00:00	2.77	8.78	0.00	0.00	0.00	1.36	6.01	1.41
06-Jun-23 02:00:00	2.63	8.65	0.00	0.00	0.00	1.22	6.02	1.41
06-Jun-23 03:00:00	2.60	8.64	0.00	0.00	0.00	1.19	6.04	1.41
06-Jun-23 04:00:00	2.62	8.83	0.00	0.00	0.00	1.22	6.21	1.40
06-Jun-23 05:00:00	4.25	10.71	0.00	0.00	1.32	1.54	6.46	1.40
06-Jun-23 06:00:00	4.41	10.81	0.00	0.00	1.47	1.54	6.40	1.40
06-Jun-23 07:00:00	2.92	9.25	0.00	0.00	0.00	1.52	6.32	1.40
06-Jun-23 08:00:00	4.23	10.55	0.00	0.00	1.36	1.47	6.32	1.40
06-Jun-23 09:00:00	3.08	9.40	0.00	0.00	0.22	1.45	6.32	1.40
06-Jun-23 10:00:00	2.77	9.09	0.00	0.00	0.00	1.37	6.32	1.40
06-Jun-23 11:00:00	2.69	9.01	0.00	0.00	0.00	1.30	6.32	1.40
06-Jun-23 12:00:00	2.38	8.56	0.00	0.00	0.00	0.99	6.18	1.40
06-Jun-23 13:00:00	2.17	8.29	0.00	0.00	0.00	0.78	6.11	1.40
06-Jun-23 14:00:00	2.18	8.18	0.00	0.00	0.00	0.79	6.00	1.39
06-Jun-23 15:00:00	1.79	7.88	0.00	0.00	0.00	0.39	6.09	1.40
06-Jun-23 16:00:00	1.89	7.97	0.00	0.00	0.00	0.49	6.08	1.40
06-Jun-23 17:00:00	2.08	8.13	0.00	0.00	0.00	0.67	6.05	1.41
06-Jun-23 18:00:00	2.15	8.21	0.00	0.00	0.00	0.75	6.06	1.40
06-Jun-23 19:00:00	2.15	8.23	0.00	0.00	0.00	0.74	6.08	1.40
06-Jun-23 20:00:00	2.00	7.97	0.00	0.00	0.00	0.60	5.97	1.40
06-Jun-23 21:00:00	1.96	7.96	0.00	0.00	0.00	0.57	6.00	1.39
06-Jun-23 22:00:00	1.99	8.00	0.00	0.00	0.00	0.60	6.00	1.39
06-Jun-23 23:00:00	2.05	8.05	0.00	0.00	0.00	0.66	6.00	1.39
07-Jun-23 00:00:00	2.07	7.92	0.00	0.00	0.00	0.68	5.85	1.39
07-Jun-23 01:00:00	2.05	7.65	0.00	0.00	0.00	0.66	5.60	1.39
07-Jun-23 02:00:00	1.95	7.39	0.00	0.00	0.00	0.56	5.45	1.38
07-Jun-23 03:00:00	1.84	7.24	0.00	0.00	0.00	0.44	5.40	1.39
07-Jun-23 04:00:00	1.69	6.97	0.00	0.00	0.00	0.29	5.28	1.40
07-Jun-23 05:00:00	1.68	7.07	0.00	0.00	0.00	0.29	5.39	1.40
07-Jun-23 06:00:00	1.72	7.51	0.00	0.00	0.00	0.32	5.79	1.40
07-Jun-23 07:00:00	1.72	7.66	0.00	0.00	0.00	0.32	5.93	1.41
07-Jun-23 08:00:00	2.05	7.96	0.00	0.00	0.00	0.65	5.91	1.41
07-Jun-23 09:00:00	2.34	8.23	0.00	0.00	0.00	0.93	5.90	1.40
07-Jun-23 10:00:00	2.41	8.38	0.00	0.00	0.00	1.01	5.96	1.41
07-Jun-23 11:00:00	2.64	8.49	0.00	0.00	0.00	1.24	5.85	1.41
07-Jun-23 12:00:00	2.55	8.48	0.00	0.00	0.00	1.15	5.92	1.40
07-Jun-23 13:00:00	2.38	8.29	0.00	0.00	0.00	0.98	5.91	1.40
07-Jun-23 14:00:00	2.62	8.53	0.00	0.00	0.00	1.22	5.91	1.40
07-Jun-23 15:00:00	2.34	8.24	0.00	0.00	0.00	0.95	5.91	1.39
07-Jun-23 16:00:00	2.28	7.87	0.00	0.00	0.00	0.92	5.59	1.37

07-Jun-23 17:00:00	2.41	7.99	0.00	0.00	0.00	1.01	5.57	1.40
07-Jun-23 18:00:00	2.12	7.84	0.00	0.00	0.00	0.70	5.72	1.42
07-Jun-23 19:00:00	2.12	7.69	0.00	0.00	0.00	0.70	5.57	1.42
07-Jun-23 20:00:00	2.33	8.03	0.00	0.00	0.00	0.91	5.69	1.42
07-Jun-23 21:00:00	2.29	7.95	0.00	0.00	0.00	0.87	5.66	1.43
07-Jun-23 22:00:00	2.19	7.79	0.00	0.00	0.00	0.77	5.60	1.42
07-Jun-23 23:00:00	2.21	7.94	0.00	0.00	0.00	0.79	5.73	1.42
08-Jun-23 00:00:00	2.26	7.81	0.00	0.00	0.00	0.84	5.55	1.42
08-Jun-23 01:00:00	2.28	8.06	0.00	0.00	0.00	0.86	5.78	1.42
08-Jun-23 02:00:00	2.32	8.08	0.00	0.00	0.00	0.89	5.76	1.43
08-Jun-23 03:00:00	2.24	7.94	0.00	0.00	0.00	0.82	5.70	1.42
08-Jun-23 04:00:00	2.16	7.92	0.00	0.00	0.00	0.73	5.76	1.42
08-Jun-23 05:00:00	2.09	7.86	0.00	0.00	0.00	0.67	5.77	1.42
08-Jun-23 06:00:00	2.22	8.02	0.00	0.00	0.00	0.80	5.80	1.43
08-Jun-23 07:00:00	2.30	8.12	0.00	0.00	0.00	0.88	5.82	1.43
08-Jun-23 08:00:00	2.39	8.20	0.00	0.00	0.00	0.96	5.81	1.43
08-Jun-23 09:00:00	2.08	7.89	0.00	0.00	0.00	0.65	5.81	1.43
08-Jun-23 10:00:00	2.07	8.00	0.00	0.00	0.00	0.64	5.93	1.43
08-Jun-23 11:00:00	2.18	8.19	0.00	0.00	0.00	0.75	6.01	1.43
08-Jun-23 12:00:00	2.14	8.23	0.00	0.00	0.00	0.71	6.09	1.43
08-Jun-23 13:00:00	1.59	7.52	0.00	0.00	0.00	0.17	5.92	1.43
08-Jun-23 14:00:00	2.24	8.25	0.00	0.00	0.00	0.81	6.01	1.42
08-Jun-23 15:00:00	2.28	8.29	0.00	0.00	0.00	0.85	6.01	1.42
08-Jun-23 16:00:00	2.17	8.19	0.00	0.00	0.00	0.75	6.02	1.42
08-Jun-23 17:00:00	2.35	8.37	0.00	0.00	0.00	0.93	6.02	1.42
08-Jun-23 18:00:00	2.10	8.11	0.00	0.00	0.00	0.67	6.01	1.43
08-Jun-23 19:00:00	2.09	8.10	0.00	0.00	0.00	0.66	6.01	1.43
08-Jun-23 20:00:00	2.31	8.33	0.00	0.00	0.00	0.88	6.01	1.43
08-Jun-23 21:00:00	2.29	8.31	0.00	0.00	0.00	0.86	6.02	1.43
08-Jun-23 22:00:00	2.12	8.14	0.00	0.00	0.00	0.69	6.01	1.43
08-Jun-23 23:00:00	2.18	8.18	0.00	0.00	0.00	0.75	5.99	1.43
09-Jun-23 00:00:00	2.31	8.62	0.00	0.00	0.00	0.88	6.31	1.43
09-Jun-23 01:00:00	2.39	8.83	0.00	0.00	0.00	0.96	6.43	1.43
09-Jun-23 02:00:00	2.36	8.88	0.00	0.00	0.00	0.93	6.52	1.43
09-Jun-23 03:00:00	2.76	9.45	0.00	0.00	0.00	1.33	6.69	1.43
09-Jun-23 04:00:00	3.01	9.76	0.00	0.00	0.10	1.48	6.75	1.43
09-Jun-23 05:00:00	3.13	9.91	0.00	0.00	0.20	1.51	6.78	1.42
09-Jun-23 06:00:00	3.30	10.01	0.00	0.00	0.39	1.52	6.71	1.39
09-Jun-23 07:00:00	3.22	9.92	0.00	0.00	0.30	1.54	6.71	1.38
09-Jun-23 08:00:00	3.12	9.80	0.00	0.00	0.20	1.53	6.68	1.38
09-Jun-23 09:00:00	3.31	10.00	0.00	0.00	0.40	1.53	6.69	1.39
09-Jun-23 10:00:00	3.48	10.17	0.00	0.00	0.57	1.53	6.69	1.39
09-Jun-23 11:00:00	3.40	10.11	0.00	0.00	0.49	1.53	6.71	1.39
09-Jun-23 12:00:00	3.18	9.88	0.00	0.00	0.26	1.53	6.70	1.39
09-Jun-23 13:00:00	3.29	9.98	0.00	0.00	0.37	1.53	6.69	1.40
09-Jun-23 14:00:00	3.23	9.91	0.00	0.00	0.31	1.52	6.68	1.40
09-Jun-23 15:00:00	3.21	9.88	0.00	0.00	0.29	1.52	6.67	1.40
09-Jun-23 16:00:00	2.97	9.66	0.00	0.00	0.05	1.51	6.69	1.40
09-Jun-23 17:00:00	2.89	9.60	0.00	0.00	0.00	1.49	6.71	1.40
09-Jun-23 18:00:00	3.20	9.91	0.00	0.00	0.27	1.52	6.71	1.40
09-Jun-23 19:00:00	3.40	10.13	0.00	0.00	0.49	1.53	6.73	1.39
09-Jun-23 20:00:00	3.04	9.77	0.00	0.00	0.07	1.58	6.73	1.39
09-Jun-23 21:00:00	3.36	10.09	0.00	0.00	0.37	1.59	6.73	1.39
09-Jun-23 22:00:00	3.39	10.12	0.00	0.00	0.40	1.59	6.74	1.39
09-Jun-23 23:00:00	3.40	10.13	0.00	0.00	0.42	1.59	6.74	1.39
10-Jun-23 00:00:00	3.55	10.28	0.00	0.00	0.56	1.60	6.73	1.39
10-Jun-23 01:00:00	3.53	10.27	0.00	0.00	0.54	1.60	6.74	1.39
10-Jun-23 02:00:00	3.41	10.15	0.00	0.00	0.41	1.61	6.74	1.39
10-Jun-23 03:00:00	3.50	10.25	0.00	0.00	0.50	1.62	6.75	1.38
10-Jun-23 04:00:00	3.57	10.32	0.00	0.00	0.57	1.62	6.75	1.38
10-Jun-23 05:00:00	3.76	10.51	0.00	0.00	0.76	1.62	6.75	1.37
10-Jun-23 06:00:00	3.59	10.33	0.00	0.00	0.60	1.62	6.74	1.37
10-Jun-23 07:00:00	3.75	10.50	0.00	0.00	0.76	1.62	6.75	1.37
10-Jun-23 08:00:00	3.52	10.27	0.00	0.00	0.53	1.61	6.74	1.38
10-Jun-23 09:00:00	3.77	10.51	0.00	0.00	0.77	1.61	6.74	1.38
10-Jun-23 10:00:00	3.69	10.42	0.00	0.00	0.70	1.61	6.73	1.38
10-Jun-23 11:00:00	3.45	10.18	0.00	0.00	0.45	1.62	6.74	1.38
10-Jun-23 12:00:00	3.56	10.30	0.00	0.00	0.57	1.61	6.74	1.38
10-Jun-23 13:00:00	3.61	10.35	0.00	0.00	0.62	1.61	6.74	1.38
10-Jun-23 14:00:00	3.49	10.22	0.00	0.00	0.50	1.61	6.73	1.38
10-Jun-23 15:00:00	3.70	10.43	0.00	0.00	0.71	1.61	6.73	1.39
10-Jun-23 16:00:00	3.76	10.50	0.00	0.00	0.79	1.59	6.74	1.39
10-Jun-23 17:00:00	3.52	10.26	0.00	0.00	0.53	1.61	6.74	1.38
10-Jun-23 18:00:00	3.53	10.25	0.00	0.00	0.53	1.61	6.72	1.39
10-Jun-23 19:00:00	3.57	10.31	0.00	0.00	0.57	1.60	6.74	1.39
10-Jun-23 20:00:00	3.74	10.49	0.00	0.00	0.74	1.62	6.75	1.39
10-Jun-23 21:00:00	3.68	10.43	0.00	0.00	0.68	1.62	6.75	1.38
10-Jun-23 22:00:00	5.01	11.75	0.00	0.00	2.01	1.62	6.74	1.38
10-Jun-23 23:00:00	6.17	12.91	0.00	0.93	2.24	1.62	6.74	1.38
11-Jun-23 00:00:00	5.69	12.43	0.00	0.44	2.25	1.62	6.74	1.38
11-Jun-23 01:00:00	5.28	12.04	0.00	0.03	2.24	1.63	6.75	1.38
11-Jun-23 02:00:00	4.03	10.77	0.00	0.00	1.02	1.63	6.74	1.38
11-Jun-23 03:00:00	3.80	10.55	0.00	0.00	0.80	1.63	6.75	1.37
11-Jun-23 04:00:00	3.83	10.67	0.00	0.00	0.94	1.63	6.74	1.37
11-Jun-23 05:00:00	3.79	10.53	0.00	0.00	0.80	1.61	6.74	1.38

11-Jun-23 06:00:00	3.86	10.60	0.00	0.00	0.86	1.62	6.74	1.38
11-Jun-23 07:00:00	3.81	10.55	0.00	0.00	0.81	1.62	6.73	1.38
11-Jun-23 08:00:00	3.74	10.47	0.00	0.00	0.73	1.62	6.73	1.38
11-Jun-23 09:00:00	3.75	10.49	0.00	0.00	0.75	1.62	6.73	1.38
11-Jun-23 10:00:00	3.74	10.47	0.00	0.00	0.74	1.62	6.73	1.38
11-Jun-23 11:00:00	3.55	10.27	0.00	0.00	0.54	1.62	6.72	1.38
11-Jun-23 12:00:00	3.50	10.22	0.00	0.00	0.50	1.61	6.72	1.38
11-Jun-23 13:00:00	3.50	10.22	0.00	0.00	0.51	1.61	6.72	1.38
11-Jun-23 14:00:00	3.37	10.08	0.00	0.00	0.37	1.61	6.71	1.38
11-Jun-23 15:00:00	3.19	9.86	0.00	0.00	0.21	1.58	6.68	1.40
11-Jun-23 16:00:00	3.09	9.79	0.00	0.00	0.25	1.45	6.69	1.39
11-Jun-23 17:00:00	2.66	9.34	0.00	0.00	0.00	1.26	6.68	1.40
11-Jun-23 18:00:00	2.55	9.18	0.00	0.00	0.00	1.13	6.63	1.42
11-Jun-23 19:00:00	2.60	9.24	0.00	0.00	0.00	1.18	6.64	1.42
11-Jun-23 20:00:00	2.56	9.23	0.00	0.00	0.00	1.15	6.68	1.41
11-Jun-23 21:00:00	2.94	9.64	0.00	0.00	0.08	1.47	6.69	1.39
11-Jun-23 22:00:00	2.74	9.44	0.00	0.00	0.00	1.35	6.70	1.39
11-Jun-23 23:00:00	2.85	9.55	0.00	0.00	0.00	1.46	6.70	1.39
12-Jun-23 00:00:00	2.85	9.54	0.00	0.00	0.00	1.46	6.69	1.39
12-Jun-23 01:00:00	2.69	9.38	0.00	0.00	0.00	1.30	6.69	1.38
12-Jun-23 02:00:00	2.71	9.40	0.00	0.00	0.00	1.32	6.69	1.39
12-Jun-23 03:00:00	2.97	9.65	0.00	0.00	0.12	1.47	6.67	1.39
12-Jun-23 04:00:00	2.58	8.96	0.00	0.00	0.00	1.17	6.37	1.41
12-Jun-23 05:00:00	2.65	8.86	0.00	0.00	0.00	1.23	6.21	1.42
12-Jun-23 06:00:00	1.76	7.71	0.00	0.00	0.00	0.34	5.95	1.41
12-Jun-23 07:00:00	1.55	7.64	0.00	0.00	0.00	0.14	6.10	1.41
12-Jun-23 08:00:00	1.77	7.85	0.00	0.00	0.00	0.35	6.09	1.42
12-Jun-23 09:00:00	1.98	8.06	0.00	0.00	0.00	0.56	6.08	1.42
12-Jun-23 10:00:00	1.99	8.11	0.00	0.00	0.00	0.57	6.12	1.42
12-Jun-23 11:00:00	1.94	8.09	0.00	0.00	0.00	0.52	6.15	1.42
12-Jun-23 12:00:00	2.44	8.59	0.00	0.00	0.00	1.02	6.14	1.42
12-Jun-23 13:00:00	2.60	8.65	0.00	0.00	0.00	1.07	6.15	1.42
12-Jun-23 14:00:00	2.25	6.78	0.00	0.00	0.00	0.87	4.63	1.38
12-Jun-23 15:00:00	1.78	7.23	0.00	0.00	0.00	0.41	5.45	1.38
12-Jun-23 16:00:00	2.14	8.23	0.00	0.00	0.00	0.73	6.09	1.41
12-Jun-23 17:00:00	2.49	8.52	0.00	0.00	0.00	1.08	6.03	1.41
12-Jun-23 18:00:00	2.65	8.46	0.00	0.00	0.00	1.24	5.81	1.42
12-Jun-23 19:00:00	2.02	7.37	0.00	0.00	0.00	0.63	5.34	1.40
12-Jun-23 20:00:00	1.39	6.37	0.00	0.00	0.00	0.00	4.98	1.39
12-Jun-23 21:00:00	1.48	7.13	0.00	0.00	0.00	0.08	5.65	1.40
12-Jun-23 22:00:00	1.66	7.70	0.00	0.00	0.00	0.25	6.04	1.42
12-Jun-23 23:00:00	1.86	7.88	0.00	0.00	0.00	0.43	6.03	1.42
13-Jun-23 00:00:00	2.02	8.05	0.00	0.00	0.00	0.60	6.03	1.42
13-Jun-23 01:00:00	1.91	7.94	0.00	0.00	0.00	0.49	6.03	1.42
13-Jun-23 02:00:00	1.93	7.96	0.00	0.00	0.00	0.51	6.03	1.42
13-Jun-23 03:00:00	1.86	7.90	0.00	0.00	0.00	0.44	6.04	1.42
13-Jun-23 04:00:00	1.83	7.84	0.00	0.00	0.00	0.40	6.02	1.42
13-Jun-23 05:00:00	1.69	7.25	0.00	0.00	0.00	0.27	5.56	1.42
13-Jun-23 06:00:00	1.71	7.43	0.00	0.00	0.00	0.30	5.72	1.42
13-Jun-23 07:00:00	1.50	7.03	0.00	0.00	0.00	0.08	5.53	1.42
13-Jun-23 08:00:00	1.42	6.93	0.00	0.00	0.00	0.00	5.51	1.42
13-Jun-23 09:00:00	1.42	6.98	0.00	0.00	0.00	0.00	5.56	1.42
13-Jun-23 10:00:00	1.41	6.71	0.00	0.00	0.00	0.00	5.29	1.41
13-Jun-23 11:00:00	1.55	7.13	0.00	0.00	0.00	0.14	5.58	1.41
13-Jun-23 12:00:00	1.47	7.06	0.00	0.00	0.00	0.07	5.59	1.41
13-Jun-23 13:00:00	1.53	7.12	0.00	0.00	0.00	0.12	5.59	1.40
13-Jun-23 14:00:00	1.57	7.16	0.00	0.00	0.00	0.17	5.59	1.41
13-Jun-23 15:00:00	1.47	7.06	0.00	0.00	0.00	0.07	5.58	1.41
13-Jun-23 16:00:00	1.71	7.28	0.00	0.00	0.00	0.30	5.57	1.41
13-Jun-23 17:00:00	1.50	7.09	0.00	0.00	0.00	0.09	5.59	1.41
13-Jun-23 18:00:00	1.69	7.27	0.00	0.00	0.00	0.28	5.58	1.41
13-Jun-23 19:00:00	1.76	7.33	0.00	0.00	0.00	0.35	5.57	1.41
13-Jun-23 20:00:00	1.81	7.40	0.00	0.00	0.00	0.39	5.59	1.41
13-Jun-23 21:00:00	1.83	7.78	0.00	0.00	0.00	0.42	5.96	1.41
13-Jun-23 22:00:00	1.97	8.40	0.00	0.00	0.00	0.57	6.43	1.40
13-Jun-23 23:00:00	2.12	8.57	0.00	0.00	0.00	0.72	6.45	1.40
14-Jun-23 00:00:00	2.25	8.69	0.00	0.00	0.00	0.85	6.45	1.40
14-Jun-23 01:00:00	2.32	8.80	0.00	0.00	0.00	0.92	6.47	1.40
14-Jun-23 02:00:00	2.50	9.26	0.00	0.00	0.00	1.10	6.76	1.39
14-Jun-23 03:00:00	2.58	9.35	0.00	0.00	0.00	1.19	6.77	1.39
14-Jun-23 04:00:00	2.83	9.62	0.00	0.00	0.00	1.44	6.79	1.39
14-Jun-23 05:00:00	3.07	9.85	0.00	0.00	0.13	1.56	6.78	1.39
14-Jun-23 06:00:00	3.12	9.91	0.00	0.00	0.17	1.56	6.79	1.39
14-Jun-23 07:00:00	3.09	9.88	0.00	0.00	0.15	1.55	6.78	1.39
14-Jun-23 08:00:00	3.22	10.01	0.00	0.00	0.28	1.55	6.79	1.39
14-Jun-23 09:00:00	3.30	10.09	0.00	0.00	0.35	1.55	6.80	1.39
14-Jun-23 10:00:00	3.28	10.08	0.00	0.00	0.34	1.55	6.80	1.39
14-Jun-23 11:00:00	3.28	10.09	0.00	0.00	0.33	1.56	6.81	1.39
14-Jun-23 12:00:00	3.29	10.10	0.00	0.00	0.35	1.56	6.80	1.39
14-Jun-23 13:00:00	3.31	10.11	0.00	0.00	0.37	1.56	6.80	1.38
14-Jun-23 14:00:00	3.36	10.17	0.00	0.00	0.41	1.56	6.81	1.39
14-Jun-23 15:00:00	3.35	10.15	0.00	0.00	0.40	1.56	6.80	1.39
14-Jun-23 16:00:00	3.37	10.18	0.00	0.00	0.43	1.56	6.80	1.39
14-Jun-23 17:00:00	3.35	10.16	0.00	0.00	0.41	1.56	6.80	1.39
14-Jun-23 18:00:00	3.37	10.16	0.00	0.00	0.42	1.58	6.79	1.38

14-Jun-23 19:00:00	3.46	10.24	0.00	0.00	0.51	1.59	6.78	1.36
14-Jun-23 20:00:00	3.55	10.35	0.00	0.00	0.61	1.58	6.80	1.36
14-Jun-23 21:00:00	3.71	10.50	0.00	0.00	0.78	1.58	6.79	1.36
14-Jun-23 22:00:00	3.72	10.52	0.00	0.00	0.78	1.59	6.79	1.35
14-Jun-23 23:00:00	3.45	10.24	0.00	0.00	0.51	1.60	6.79	1.35
15-Jun-23 00:00:00	3.44	10.25	0.00	0.00	0.50	1.59	6.81	1.35
15-Jun-23 01:00:00	3.61	10.43	0.00	0.00	0.68	1.59	6.82	1.35
15-Jun-23 02:00:00	3.67	10.49	0.00	0.00	0.71	1.61	6.82	1.34
15-Jun-23 03:00:00	3.63	10.45	0.00	0.00	0.67	1.61	6.83	1.34
15-Jun-23 04:00:00	3.70	10.54	0.00	0.00	0.75	1.62	6.83	1.34
15-Jun-23 05:00:00	5.43	12.19	0.00	0.26	2.22	1.61	6.76	1.33
15-Jun-23 06:00:00	5.40	12.16	0.00	0.23	2.22	1.61	6.76	1.33
15-Jun-23 07:00:00	6.10	12.86	0.00	0.93	2.22	1.61	6.76	1.34
15-Jun-23 08:00:00	6.32	13.09	0.00	0.93	2.22	1.62	6.77	1.55
15-Jun-23 09:00:00	6.97	13.73	0.00	1.20	2.22	1.61	6.76	1.93
15-Jun-23 10:00:00	6.95	13.69	0.00	1.27	2.10	1.62	6.74	1.95
15-Jun-23 11:00:00	7.24	13.91	0.00	1.26	2.18	1.85	6.67	1.96
15-Jun-23 12:00:00	5.86	12.52	0.00	0.00	1.99	1.92	6.65	1.95
15-Jun-23 13:00:00	4.97	11.62	0.00	0.00	1.07	1.96	6.65	1.94
15-Jun-23 14:00:00	4.40	11.05	0.00	0.00	0.50	1.96	6.65	1.94
15-Jun-23 15:00:00	6.34	12.98	0.00	0.31	2.14	1.95	6.64	1.94
15-Jun-23 16:00:00	6.61	13.24	0.00	0.53	2.20	1.94	6.64	1.94
15-Jun-23 17:00:00	6.70	13.33	0.00	0.67	2.10	1.98	6.63	1.94
15-Jun-23 18:00:00	4.41	11.07	0.00	0.00	0.63	1.84	6.66	1.94
15-Jun-23 19:00:00	4.27	10.96	0.00	0.00	0.34	2.00	6.68	1.93
15-Jun-23 20:00:00	4.37	11.05	0.00	0.00	0.44	2.00	6.67	1.93
15-Jun-23 21:00:00	4.32	11.00	0.00	0.00	0.41	1.98	6.68	1.92
15-Jun-23 22:00:00	4.35	11.02	0.00	0.00	0.46	1.97	6.66	1.92
15-Jun-23 23:00:00	4.36	11.01	0.00	0.00	0.46	1.95	6.65	1.92
16-Jun-23 00:00:00	4.33	10.97	0.00	0.00	0.47	1.94	6.65	1.92
16-Jun-23 01:00:00	4.31	10.97	0.00	0.00	0.46	1.92	6.67	1.92
16-Jun-23 02:00:00	4.31	10.96	0.00	0.00	0.48	1.91	6.65	1.91
16-Jun-23 03:00:00	4.32	10.96	0.00	0.00	0.51	1.90	6.64	1.91
16-Jun-23 04:00:00	4.19	10.86	0.00	0.00	0.40	1.88	6.67	1.91
16-Jun-23 05:00:00	4.19	10.85	0.00	0.00	0.41	1.87	6.67	1.91
16-Jun-23 06:00:00	4.20	10.87	0.00	0.00	0.44	1.85	6.66	1.91
16-Jun-23 07:00:00	4.25	10.91	0.00	0.00	0.47	1.87	6.66	1.91
16-Jun-23 08:00:00	4.40	11.07	0.00	0.00	0.42	1.93	6.67	2.05
16-Jun-23 09:00:00	4.42	11.08	0.00	0.00	0.30	1.90	6.66	2.22
16-Jun-23 10:00:00	4.43	11.07	0.00	0.00	0.20	1.91	6.64	2.31
16-Jun-23 11:00:00	4.45	11.11	0.00	0.00	0.15	1.93	6.65	2.37
16-Jun-23 12:00:00	4.48	11.11	0.00	0.00	0.19	1.91	6.63	2.38
16-Jun-23 13:00:00	4.62	11.27	0.00	0.00	0.39	1.90	6.65	2.34
16-Jun-23 14:00:00	4.69	11.33	0.00	0.00	0.49	1.88	6.64	2.32
16-Jun-23 15:00:00	4.65	11.29	0.00	0.00	0.49	1.87	6.64	2.29
16-Jun-23 16:00:00	4.57	11.21	0.00	0.00	0.45	1.85	6.63	2.27
16-Jun-23 17:00:00	4.23	10.87	0.00	0.00	0.11	1.85	6.64	2.27
16-Jun-23 18:00:00	4.44	11.09	0.00	0.00	0.34	1.83	6.65	2.28
16-Jun-23 19:00:00	4.67	11.31	0.00	0.00	0.56	1.83	6.64	2.28
16-Jun-23 20:00:00	4.65	11.30	0.00	0.00	0.56	1.81	6.65	2.28
16-Jun-23 21:00:00	4.59	11.24	0.00	0.00	0.49	1.80	6.65	2.31
16-Jun-23 22:00:00	4.65	11.30	0.00	0.00	0.47	1.79	6.65	2.39
16-Jun-23 23:00:00	4.71	11.36	0.00	0.00	0.51	1.81	6.65	2.40
17-Jun-23 00:00:00	4.95	11.60	0.00	0.00	0.54	1.95	6.65	2.46
17-Jun-23 01:00:00	4.90	11.53	0.00	0.00	0.48	1.95	6.64	2.46
17-Jun-23 02:00:00	5.02	11.66	0.00	0.00	0.55	1.94	6.64	2.53
17-Jun-23 03:00:00	5.06	11.71	0.00	0.00	0.53	1.93	6.65	2.59
17-Jun-23 04:00:00	5.05	11.75	0.00	0.00	0.52	1.93	6.70	2.60
17-Jun-23 05:00:00	4.97	11.70	0.00	0.00	0.45	1.93	6.73	2.59
17-Jun-23 06:00:00	4.83	11.56	0.00	0.00	0.27	1.99	6.74	2.56
17-Jun-23 07:00:00	4.87	11.59	0.00	0.00	0.31	2.00	6.72	2.56
17-Jun-23 08:00:00	4.86	11.59	0.00	0.00	0.32	1.99	6.72	2.55
17-Jun-23 09:00:00	4.76	11.48	0.00	0.00	0.24	1.98	6.72	2.54
17-Jun-23 10:00:00	4.67	11.38	0.00	0.00	0.17	1.97	6.71	2.52
17-Jun-23 11:00:00	4.63	11.32	0.00	0.00	0.16	1.96	6.69	2.51
17-Jun-23 12:00:00	4.69	11.37	0.00	0.00	0.17	2.03	6.68	2.49
17-Jun-23 13:00:00	4.72	11.39	0.00	0.00	0.17	2.07	6.67	2.48
17-Jun-23 14:00:00	4.66	11.32	0.00	0.00	0.13	2.07	6.66	2.46
17-Jun-23 15:00:00	4.64	11.29	0.00	0.00	0.13	2.05	6.66	2.45
17-Jun-23 16:00:00	4.61	11.25	0.00	0.00	0.13	2.04	6.64	2.44
17-Jun-23 17:00:00	4.51	11.15	0.00	0.00	0.06	2.03	6.64	2.42
17-Jun-23 18:00:00	4.52	11.12	0.00	0.00	0.10	2.01	6.60	2.40
17-Jun-23 19:00:00	4.45	11.03	0.00	0.00	0.09	1.99	6.58	2.37
17-Jun-23 20:00:00	4.36	10.94	0.00	0.00	0.03	1.97	6.58	2.36
17-Jun-23 21:00:00	4.32	10.86	0.00	0.00	0.00	1.98	6.54	2.34
17-Jun-23 22:00:00	4.35	10.86	0.00	0.00	0.00	2.03	6.51	2.32
17-Jun-23 23:00:00	4.20	10.69	0.00	0.00	0.00	1.89	6.50	2.30
18-Jun-23 00:00:00	5.46	11.95	0.00	0.00	1.13	2.03	6.49	2.30
18-Jun-23 01:00:00	5.41	11.90	0.00	0.00	1.08	2.02	6.49	2.31
18-Jun-23 02:00:00	5.37	12.43	0.00	0.00	1.67	2.01	6.46	2.29
18-Jun-23 03:00:00	5.72	12.16	0.00	0.00	1.46	1.99	6.44	2.26
18-Jun-23 04:00:00	6.29	12.71	0.00	0.34	1.73	1.97	6.42	2.25
18-Jun-23 05:00:00	5.67	12.08	0.00	0.00	1.48	1.96	6.40	2.23
18-Jun-23 06:00:00	4.28	10.68	0.00	0.00	0.11	1.94	6.40	2.23
18-Jun-23 07:00:00	4.27	10.65	0.00	0.00	0.12	1.93	6.38	2.23

18-Jun-23 08:00:00	6.22	12.60	0.00	0.42	1.67	1.92	6.38	2.21
18-Jun-23 09:00:00	4.93	11.29	0.00	0.00	0.81	1.91	6.35	2.22
18-Jun-23 10:00:00	3.91	10.26	0.00	0.00	0.00	1.71	6.35	2.20
18-Jun-23 11:00:00	3.89	10.19	0.00	0.00	0.00	1.70	6.30	2.20
18-Jun-23 12:00:00	3.93	10.21	0.00	0.00	0.00	1.73	6.28	2.20
18-Jun-23 13:00:00	3.91	10.18	0.00	0.00	0.00	1.73	6.27	2.19
18-Jun-23 14:00:00	3.89	10.15	0.00	0.00	0.00	1.70	6.26	2.19
18-Jun-23 15:00:00	3.84	10.07	0.00	0.00	0.00	1.64	6.24	2.19
18-Jun-23 16:00:00	3.89	10.14	0.00	0.00	0.00	1.70	6.25	2.19
18-Jun-23 17:00:00	3.79	10.03	0.00	0.00	0.00	1.59	6.24	2.20
18-Jun-23 18:00:00	3.94	10.19	0.00	0.00	0.00	1.74	6.25	2.20
18-Jun-23 19:00:00	3.82	10.06	0.00	0.00	0.00	1.63	6.24	2.19
18-Jun-23 20:00:00	3.83	10.09	0.00	0.00	0.00	1.64	6.25	2.20
18-Jun-23 21:00:00	4.03	10.27	0.00	0.00	0.00	1.86	6.24	2.17
18-Jun-23 22:00:00	4.10	10.33	0.00	0.00	0.00	1.92	6.23	2.18
18-Jun-23 23:00:00	4.04	10.27	0.00	0.00	0.00	1.85	6.22	2.19
19-Jun-23 00:00:00	4.01	10.24	0.00	0.00	0.00	1.84	6.22	2.18
19-Jun-23 01:00:00	4.09	10.32	0.00	0.00	0.00	1.92	6.23	2.17
19-Jun-23 02:00:00	4.06	10.28	0.00	0.00	0.00	1.88	6.23	2.17
19-Jun-23 03:00:00	3.96	10.21	0.00	0.00	0.00	1.79	6.24	2.18
19-Jun-23 04:00:00	4.00	10.24	0.00	0.00	0.00	1.82	6.25	2.18
19-Jun-23 05:00:00	4.01	10.25	0.00	0.00	0.00	1.82	6.24	2.18
19-Jun-23 06:00:00	4.13	10.39	0.00	0.00	0.00	1.94	6.27	2.19
19-Jun-23 07:00:00	4.22	10.47	0.00	0.00	0.00	2.02	6.25	2.20
19-Jun-23 08:00:00	4.23	10.48	0.00	0.00	0.00	2.03	6.25	2.20
19-Jun-23 09:00:00	4.31	10.57	0.00	0.00	0.07	2.04	6.26	2.20
19-Jun-23 10:00:00	4.29	10.55	0.00	0.00	0.06	2.03	6.25	2.20
19-Jun-23 11:00:00	4.29	10.55	0.00	0.00	0.06	2.02	6.27	2.21
19-Jun-23 12:00:00	4.26	10.53	0.00	0.00	0.05	2.01	6.27	2.21
19-Jun-23 13:00:00	4.23	10.50	0.00	0.00	0.02	2.00	6.27	2.22
19-Jun-23 14:00:00	4.25	10.52	0.00	0.00	0.04	1.98	6.27	2.22
19-Jun-23 15:00:00	4.20	10.47	0.00	0.00	0.00	1.97	6.27	2.23
19-Jun-23 16:00:00	4.26	10.54	0.00	0.00	0.05	1.98	6.27	2.23
19-Jun-23 17:00:00	5.71	11.99	0.00	0.00	1.50	1.99	6.27	2.23
19-Jun-23 18:00:00	8.40	15.02	0.35	2.26	1.86	2.03	6.28	2.24
19-Jun-23 19:00:00	8.37	15.35	0.70	2.25	1.85	2.03	6.28	2.24
19-Jun-23 20:00:00	8.43	15.40	0.68	2.28	1.86	2.02	6.28	2.27
19-Jun-23 21:00:00	8.39	15.32	0.65	2.27	1.82	2.01	6.28	2.28
19-Jun-23 22:00:00	8.40	15.26	0.58	2.30	1.83	2.00	6.28	2.27
19-Jun-23 23:00:00	8.34	15.25	0.61	2.29	1.81	1.98	6.30	2.27
20-Jun-23 00:00:00	8.30	15.27	0.65	2.28	1.78	1.97	6.32	2.27
20-Jun-23 01:00:00	8.28	15.28	0.68	2.29	1.78	1.95	6.32	2.27
20-Jun-23 02:00:00	8.30	15.32	0.71	2.29	1.78	1.94	6.32	2.30
20-Jun-23 03:00:00	8.32	15.31	0.66	2.30	1.80	1.92	6.32	2.30
20-Jun-23 04:00:00	8.31	15.37	0.73	2.31	1.81	1.91	6.32	2.29
20-Jun-23 05:00:00	8.29	15.31	0.68	2.30	1.80	1.90	6.33	2.29
20-Jun-23 06:00:00	8.28	15.29	0.67	2.31	1.81	1.89	6.33	2.28
20-Jun-23 07:00:00	8.26	15.17	0.56	2.31	1.80	1.88	6.35	2.28
20-Jun-23 08:00:00	8.25	15.24	0.63	2.31	1.79	1.87	6.37	2.29
20-Jun-23 09:00:00	8.29	15.16	0.52	2.33	1.81	1.85	6.35	2.30
20-Jun-23 10:00:00	8.30	15.21	0.56	2.34	1.81	1.85	6.35	2.30
20-Jun-23 11:00:00	8.27	15.32	0.70	2.34	1.79	1.83	6.35	2.30
20-Jun-23 12:00:00	8.28	15.29	0.67	2.34	1.79	1.83	6.35	2.31
20-Jun-23 13:00:00	8.29	15.28	0.63	2.34	1.80	1.83	6.36	2.33
20-Jun-23 14:00:00	8.41	15.43	0.66	2.33	1.89	1.82	6.36	2.36
20-Jun-23 15:00:00	8.45	15.49	0.68	2.33	1.86	1.87	6.36	2.40
20-Jun-23 16:00:00	8.79	15.80	0.65	2.33	1.89	2.17	6.36	2.40
20-Jun-23 17:00:00	8.78	15.78	0.64	2.34	1.88	2.16	6.37	2.40
20-Jun-23 18:00:00	8.76	15.78	0.64	2.34	1.87	2.14	6.37	2.41
20-Jun-23 19:00:00	8.77	15.86	0.71	2.34	1.88	2.12	6.38	2.43
20-Jun-23 20:00:00	8.77	15.85	0.70	2.35	1.90	2.10	6.38	2.43
20-Jun-23 21:00:00	8.74	15.77	0.66	2.35	1.89	2.08	6.38	2.43
20-Jun-23 22:00:00	8.71	15.77	0.68	2.34	1.88	2.06	6.38	2.42
20-Jun-23 23:00:00	8.69	15.73	0.68	2.34	1.88	2.05	6.37	2.42
21-Jun-23 00:00:00	8.68	15.67	0.62	2.35	1.88	2.03	6.37	2.42
21-Jun-23 01:00:00	8.67	15.63	0.58	2.35	1.88	2.01	6.38	2.42
21-Jun-23 02:00:00	8.65	15.66	0.63	2.35	1.89	2.00	6.38	2.42
21-Jun-23 03:00:00	8.65	15.70	0.67	2.35	1.90	1.98	6.38	2.43
21-Jun-23 04:00:00	8.64	15.65	0.62	2.36	1.89	1.96	6.38	2.43
21-Jun-23 05:00:00	8.63	15.62	0.62	2.36	1.87	1.95	6.37	2.44
21-Jun-23 06:00:00	8.63	15.57	0.57	2.37	1.89	1.94	6.37	2.44
21-Jun-23 07:00:00	8.94	15.82	0.50	2.36	2.01	2.13	6.37	2.43
21-Jun-23 08:00:00	8.97	15.83	0.48	2.37	2.00	2.17	6.38	2.43
21-Jun-23 09:00:00	8.97	17.71	2.36	2.37	2.01	2.17	6.38	2.43
21-Jun-23 10:00:00	8.96	16.97	1.63	2.37	2.01	2.17	6.38	2.42
21-Jun-23 11:00:00	8.98	17.03	1.67	2.37	2.01	2.17	6.38	2.43
21-Jun-23 12:00:00	8.96	18.44	3.10	2.36	2.00	2.16	6.38	2.43
21-Jun-23 13:00:00	9.00	18.56	3.18	2.36	2.03	2.16	6.38	2.44
21-Jun-23 14:00:00	8.99	18.55	3.18	2.36	2.04	2.17	6.38	2.43
21-Jun-23 15:00:00	8.96	18.00	2.66	2.35	2.02	2.17	6.38	2.42
21-Jun-23 16:00:00	8.97	16.42	1.06	2.36	2.02	2.16	6.39	2.42
21-Jun-23 17:00:00	8.98	16.02	0.65	2.36	2.03	2.16	6.39	2.43
21-Jun-23 18:00:00	8.99	15.93	0.65	2.37	2.02	2.16	6.39	2.44
21-Jun-23 19:00:00	8.99	15.91	0.63	2.38	2.01	2.16	6.39	2.44
21-Jun-23 20:00:00	9.01	15.95	0.56	2.38	2.02	2.16	6.39	2.44

21-Jun-23 21:00:00	9.03	15.97	0.56	2.38	2.04	2.16	6.38	2.44
21-Jun-23 22:00:00	9.02	15.95	0.55	2.38	2.04	2.16	6.38	2.44
21-Jun-23 23:00:00	9.01	15.97	0.58	2.38	2.02	2.16	6.39	2.44
22-Jun-23 00:00:00	9.01	15.99	0.60	2.38	2.03	2.16	6.38	2.44
22-Jun-23 01:00:00	9.00	16.01	0.63	2.38	2.03	2.16	6.38	2.43
22-Jun-23 02:00:00	9.00	15.97	0.57	2.38	2.03	2.16	6.39	2.43
22-Jun-23 03:00:00	9.00	15.99	0.61	2.38	2.02	2.16	6.38	2.44
22-Jun-23 04:00:00	9.03	16.01	0.59	2.39	2.02	2.16	6.39	2.46
22-Jun-23 05:00:00	9.06	15.95	0.51	2.40	2.03	2.16	6.39	2.46
22-Jun-23 06:00:00	9.05	16.03	0.59	2.40	2.02	2.16	6.39	2.46
22-Jun-23 07:00:00	9.06	16.03	0.58	2.41	2.03	2.16	6.40	2.45
22-Jun-23 08:00:00	9.04	16.00	0.56	2.41	2.03	2.16	6.40	2.44
22-Jun-23 09:00:00	9.02	16.01	0.59	2.40	2.02	2.17	6.40	2.43
22-Jun-23 10:00:00	9.02	16.02	0.59	2.41	2.02	2.17	6.41	2.43
22-Jun-23 11:00:00	9.01	15.98	0.57	2.40	2.02	2.16	6.41	2.43
22-Jun-23 12:00:00	9.02	15.99	0.57	2.40	2.02	2.16	6.40	2.43
22-Jun-23 13:00:00	9.03	16.00	0.56	2.40	2.03	2.16	6.41	2.43
22-Jun-23 14:00:00	9.01	15.95	0.56	2.39	2.02	2.16	6.39	2.43
22-Jun-23 15:00:00	9.04	15.55	0.60	2.39	2.05	2.17	5.91	2.44
22-Jun-23 16:00:00	9.10	16.15	0.65	2.39	2.09	2.16	6.41	2.45
22-Jun-23 17:00:00	9.08	16.09	0.70	2.39	2.07	2.17	6.31	2.44
22-Jun-23 18:00:00	9.05	15.95	0.61	2.39	2.06	2.17	6.29	2.43
22-Jun-23 19:00:00	9.08	15.94	0.57	2.40	2.08	2.16	6.29	2.44
22-Jun-23 20:00:00	9.07	15.93	0.58	2.40	2.06	2.17	6.28	2.44
22-Jun-23 21:00:00	9.06	15.91	0.57	2.41	2.04	2.17	6.27	2.44
22-Jun-23 22:00:00	9.08	15.91	0.55	2.41	2.06	2.17	6.27	2.44
22-Jun-23 23:00:00	9.09	17.65	2.28	2.41	2.08	2.17	6.27	2.44
23-Jun-23 00:00:00	9.09	16.49	1.13	2.41	2.08	2.16	6.28	2.44
23-Jun-23 01:00:00	9.07	15.95	0.61	2.41	2.06	2.17	6.27	2.44
23-Jun-23 02:00:00	9.08	15.97	0.63	2.41	2.06	2.16	6.27	2.44
23-Jun-23 03:00:00	9.08	16.02	0.67	2.41	2.06	2.16	6.27	2.45
23-Jun-23 04:00:00	9.10	16.13	0.76	2.41	2.07	2.17	6.27	2.46
23-Jun-23 05:00:00	9.09	15.97	0.61	2.41	2.06	2.17	6.27	2.45
23-Jun-23 06:00:00	9.09	16.07	0.72	2.42	2.06	2.17	6.27	2.44
23-Jun-23 07:00:00	9.09	16.05	0.69	2.41	2.06	2.16	6.27	2.45
23-Jun-23 08:00:00	9.10	16.04	0.67	2.42	2.06	2.17	6.28	2.45
23-Jun-23 09:00:00	9.07	15.18	0.71	2.42	2.05	2.17	5.39	2.43
23-Jun-23 10:00:00	9.04	13.78	0.75	2.40	2.05	2.17	4.00	2.41
23-Jun-23 11:00:00	9.10	15.90	0.40	2.42	2.06	2.17	6.41	2.45
23-Jun-23 12:00:00	8.38	14.78	0.00	1.72	2.07	2.13	6.40	2.46
23-Jun-23 13:00:00	9.09	16.17	0.68	2.42	2.06	2.17	6.40	2.45
23-Jun-23 14:00:00	9.05	16.16	0.71	2.42	2.05	2.17	6.40	2.42
23-Jun-23 15:00:00	9.09	16.18	0.70	2.42	2.04	2.15	6.40	2.47
23-Jun-23 16:00:00	9.12	16.17	0.66	2.44	2.06	2.17	6.39	2.46
23-Jun-23 17:00:00	9.19	16.27	0.71	2.45	2.11	2.17	6.36	2.47
23-Jun-23 18:00:00	9.19	16.34	0.77	2.45	2.08	2.17	6.38	2.48
23-Jun-23 19:00:00	9.20	16.30	0.76	2.46	2.08	2.17	6.33	2.49
23-Jun-23 20:00:00	9.28	16.34	0.74	2.48	2.14	2.16	6.32	2.50
23-Jun-23 21:00:00	9.34	16.42	0.76	2.49	2.18	2.17	6.31	2.51
23-Jun-23 22:00:00	9.33	16.49	0.87	2.50	2.15	2.16	6.28	2.51
23-Jun-23 23:00:00	9.32	16.45	0.83	2.51	2.14	2.16	6.30	2.51
24-Jun-23 00:00:00	9.35	16.44	0.78	2.52	2.15	2.16	6.31	2.51
24-Jun-23 01:00:00	9.40	16.49	0.80	2.53	2.18	2.16	6.30	2.53
24-Jun-23 02:00:00	9.41	16.55	0.85	2.53	2.19	2.16	6.30	2.53
24-Jun-23 03:00:00	9.39	16.57	0.87	2.53	2.18	2.16	6.30	2.52
24-Jun-23 04:00:00	9.37	16.52	0.82	2.53	2.16	2.17	6.33	2.52
24-Jun-23 05:00:00	9.37	16.49	0.81	2.53	2.17	2.16	6.30	2.52
24-Jun-23 06:00:00	9.35	16.49	0.83	2.53	2.14	2.16	6.31	2.51
24-Jun-23 07:00:00	9.34	16.51	0.84	2.53	2.15	2.16	6.33	2.50
24-Jun-23 08:00:00	9.35	16.48	0.81	2.53	2.15	2.17	6.32	2.50
24-Jun-23 09:00:00	9.37	16.52	0.81	2.53	2.16	2.16	6.35	2.51
24-Jun-23 10:00:00	9.35	16.51	0.83	2.53	2.14	2.17	6.32	2.52
24-Jun-23 11:00:00	9.36	16.51	0.81	2.53	2.15	2.17	6.35	2.51
24-Jun-23 12:00:00	9.35	16.52	0.84	2.53	2.15	2.17	6.33	2.49
24-Jun-23 13:00:00	9.36	16.54	0.85	2.53	2.16	2.17	6.33	2.50
24-Jun-23 14:00:00	9.37	16.51	0.81	2.53	2.16	2.17	6.33	2.51
24-Jun-23 15:00:00	9.38	16.53	0.81	2.53	2.17	2.17	6.34	2.52
24-Jun-23 16:00:00	9.38	16.53	0.80	2.53	2.16	2.17	6.35	2.52
24-Jun-23 17:00:00	9.37	16.41	0.71	2.53	2.16	2.17	6.33	2.51
24-Jun-23 18:00:00	9.37	16.56	0.85	2.53	2.16	2.17	6.34	2.50
24-Jun-23 19:00:00	9.38	16.60	0.84	2.53	2.17	2.17	6.37	2.51
24-Jun-23 20:00:00	9.38	16.52	0.78	2.53	2.17	2.17	6.37	2.51
24-Jun-23 21:00:00	9.37	16.49	0.77	2.52	2.17	2.17	6.35	2.50
24-Jun-23 22:00:00	9.35	16.58	0.83	2.53	2.17	2.17	6.39	2.48
24-Jun-23 23:00:00	9.33	16.53	0.87	2.53	2.15	2.17	6.34	2.48
25-Jun-23 00:00:00	9.31	16.48	0.80	2.52	2.14	2.17	6.36	2.48
25-Jun-23 01:00:00	9.29	16.48	0.80	2.52	2.13	2.17	6.39	2.47
25-Jun-23 02:00:00	9.24	16.45	0.82	2.53	2.06	2.17	6.38	2.48
25-Jun-23 03:00:00	9.19	16.46	0.89	2.53	2.01	2.17	6.38	2.49
25-Jun-23 04:00:00	9.17	16.46	0.92	2.53	1.99	2.17	6.37	2.49
25-Jun-23 05:00:00	9.17	17.13	1.60	2.53	1.99	2.17	6.36	2.48
25-Jun-23 06:00:00	9.16	17.89	2.36	2.53	1.98	2.17	6.37	2.48
25-Jun-23 07:00:00	9.18	18.04	2.50	2.53	2.00	2.17	6.36	2.48
25-Jun-23 08:00:00	9.18	16.63	1.07	2.53	2.00	2.17	6.37	2.48
25-Jun-23 09:00:00	9.29	16.43	0.79	2.53	2.12	2.17	6.35	2.48

25-Jun-23 10:00:00	9.26	16.43	0.82	2.53	2.09	2.17	6.35	2.48
25-Jun-23 11:00:00	9.19	16.39	0.85	2.53	2.02	2.17	6.34	2.48
25-Jun-23 12:00:00	9.17	16.39	0.87	2.53	1.99	2.17	6.34	2.48
25-Jun-23 13:00:00	9.17	16.28	0.76	2.53	2.00	2.17	6.35	2.48
25-Jun-23 14:00:00	9.18	16.40	0.86	2.53	2.01	2.17	6.36	2.47
25-Jun-23 15:00:00	9.17	16.33	0.81	2.53	2.01	2.17	6.35	2.47
25-Jun-23 16:00:00	9.26	16.34	0.74	2.53	2.09	2.17	6.35	2.47
25-Jun-23 17:00:00	9.34	16.48	0.77	2.52	2.17	2.17	6.37	2.48
25-Jun-23 18:00:00	9.34	16.51	0.81	2.53	2.16	2.17	6.36	2.48
25-Jun-23 19:00:00	9.35	16.47	0.79	2.53	2.17	2.17	6.33	2.49
25-Jun-23 20:00:00	9.34	16.38	0.71	2.53	2.17	2.17	6.33	2.47
25-Jun-23 21:00:00	9.35	16.42	0.77	2.53	2.18	2.16	6.31	2.47
25-Jun-23 22:00:00	9.36	16.45	0.79	2.53	2.20	2.17	6.30	2.47
25-Jun-23 23:00:00	9.36	16.42	0.76	2.54	2.18	2.16	6.30	2.49
26-Jun-23 00:00:00	9.33	16.40	0.76	2.54	2.13	2.17	6.31	2.49
26-Jun-23 01:00:00	9.36	16.52	0.81	2.56	2.13	2.16	6.35	2.50
26-Jun-23 02:00:00	9.35	16.52	0.83	2.56	2.12	2.17	6.34	2.51
26-Jun-23 03:00:00	8.29	15.56	0.95	2.56	1.05	2.17	6.33	2.51
26-Jun-23 04:00:00	7.89	15.07	0.86	2.57	0.65	2.17	6.33	2.51
26-Jun-23 05:00:00	7.78	15.01	0.91	2.57	0.54	2.17	6.32	2.51
26-Jun-23 06:00:00	7.86	15.15	0.97	2.56	0.62	2.17	6.32	2.51
26-Jun-23 07:00:00	7.81	15.14	1.00	2.56	0.57	2.16	6.32	2.52
26-Jun-23 08:00:00	7.75	15.02	0.96	2.56	0.50	2.17	6.31	2.52
26-Jun-23 09:00:00	7.96	16.39	2.12	2.56	0.73	2.17	6.31	2.51
26-Jun-23 10:00:00	9.31	16.10	0.96	2.56	2.08	2.17	5.83	2.50
26-Jun-23 11:00:00	9.22	13.91	0.95	2.56	2.03	2.17	3.74	2.46
26-Jun-23 12:00:00	9.23	13.94	0.98	2.56	2.04	2.17	3.73	2.46
26-Jun-23 13:00:00	9.22	13.94	0.99	2.56	2.04	2.17	3.73	2.46
26-Jun-23 14:00:00	9.24	13.91	0.94	2.56	2.05	2.17	3.73	2.46
26-Jun-23 15:00:00	9.20	12.75	0.98	2.56	2.04	2.17	2.57	2.44
26-Jun-23 16:00:00	9.22	13.09	0.98	2.55	2.06	2.17	2.89	2.44
26-Jun-23 17:00:00	9.24	13.98	0.92	2.56	2.07	2.17	3.82	2.45
26-Jun-23 18:00:00	9.24	14.06	1.00	2.55	2.07	2.17	3.82	2.45
26-Jun-23 19:00:00	9.23	14.03	0.99	2.54	2.06	2.17	3.82	2.46
26-Jun-23 20:00:00	9.22	14.00	0.97	2.54	2.05	2.17	3.81	2.45
26-Jun-23 21:00:00	9.25	13.96	0.89	2.54	2.09	2.17	3.81	2.45
26-Jun-23 22:00:00	9.30	14.02	0.91	2.54	2.15	2.17	3.81	2.44
26-Jun-23 23:00:00	9.28	14.03	0.95	2.53	2.14	2.17	3.80	2.43
27-Jun-23 00:00:00	9.26	13.99	0.93	2.52	2.14	2.17	3.80	2.43
27-Jun-23 01:00:00	9.25	13.94	0.88	2.52	2.13	2.17	3.80	2.43
27-Jun-23 02:00:00	9.26	13.94	0.88	2.52	2.14	2.17	3.80	2.43
27-Jun-23 03:00:00	9.27	14.04	0.98	2.51	2.15	2.17	3.79	2.44
27-Jun-23 04:00:00	9.17	14.14	1.17	2.52	2.06	2.17	3.79	2.43
27-Jun-23 05:00:00	9.14	15.25	2.31	2.51	2.00	2.17	3.80	2.46
27-Jun-23 06:00:00	9.18	13.95	0.98	2.51	2.01	2.17	3.80	2.49
27-Jun-23 07:00:00	9.19	13.92	0.93	2.51	2.02	2.18	3.81	2.49
27-Jun-23 08:00:00	9.18	13.91	0.93	2.50	2.03	2.17	3.80	2.48
27-Jun-23 09:00:00	9.18	13.91	0.93	2.50	2.03	2.17	3.81	2.47
27-Jun-23 10:00:00	9.17	13.73	0.76	2.49	2.04	2.17	3.80	2.47
27-Jun-23 11:00:00	9.17	13.67	0.71	2.49	2.04	2.17	3.80	2.46
27-Jun-23 12:00:00	9.16	13.69	0.73	2.49	2.04	2.17	3.80	2.46
27-Jun-23 13:00:00	9.15	13.75	0.80	2.49	2.04	2.17	3.79	2.45
27-Jun-23 14:00:00	9.16	13.82	0.87	2.50	2.04	2.17	3.79	2.45
27-Jun-23 15:00:00	9.18	13.69	0.73	2.50	2.06	2.17	3.78	2.45
27-Jun-23 16:00:00	9.15	13.68	0.75	2.50	2.04	2.17	3.78	2.45
27-Jun-23 17:00:00	9.16	13.54	0.59	2.50	2.05	2.17	3.79	2.44
27-Jun-23 18:00:00	9.17	13.78	0.82	2.50	2.05	2.17	3.79	2.45
27-Jun-23 19:00:00	9.19	15.88	2.91	2.50	2.06	2.17	3.79	2.46
27-Jun-23 20:00:00	9.19	15.91	2.93	2.50	2.06	2.17	3.79	2.46
27-Jun-23 21:00:00	9.18	15.71	2.76	2.50	2.05	2.17	3.77	2.45
27-Jun-23 22:00:00	9.19	14.07	1.10	2.50	2.07	2.17	3.78	2.45
27-Jun-23 23:00:00	9.18	13.74	0.78	2.50	2.05	2.17	3.78	2.46
28-Jun-23 00:00:00	9.21	13.69	0.69	2.50	2.07	2.17	3.78	2.47
28-Jun-23 01:00:00	9.20	13.64	0.66	2.50	2.06	2.17	3.78	2.46
28-Jun-23 02:00:00	9.21	13.62	0.64	2.50	2.07	2.17	3.77	2.46
28-Jun-23 03:00:00	9.19	13.82	0.86	2.50	2.05	2.17	3.78	2.47
28-Jun-23 04:00:00	9.19	15.12	2.16	2.50	2.05	2.17	3.77	2.47
28-Jun-23 05:00:00	9.19	13.58	0.63	2.50	2.06	2.17	3.77	2.46
28-Jun-23 06:00:00	9.16	15.23	2.29	2.50	2.04	2.17	3.78	2.45
28-Jun-23 07:00:00	9.17	13.97	1.02	2.50	2.04	2.17	3.78	2.46
28-Jun-23 08:00:00	9.20	13.57	0.58	2.50	2.06	2.17	3.79	2.46
28-Jun-23 09:00:00	9.20	13.63	0.65	2.50	2.07	2.17	3.78	2.46
28-Jun-23 10:00:00	9.19	13.62	0.66	2.50	2.06	2.16	3.77	2.47
28-Jun-23 11:00:00	9.19	13.60	0.64	2.50	2.05	2.17	3.77	2.47
28-Jun-23 12:00:00	9.20	13.55	0.59	2.50	2.06	2.17	3.76	2.47
28-Jun-23 13:00:00	9.19	13.66	0.71	2.50	2.05	2.17	3.76	2.47
28-Jun-23 14:00:00	9.19	13.56	0.60	2.49	2.06	2.17	3.77	2.47
28-Jun-23 15:00:00	9.18	13.43	0.48	2.49	2.07	2.17	3.77	2.44
28-Jun-23 16:00:00	9.16	13.48	0.55	2.48	2.07	2.17	3.77	2.44
28-Jun-23 17:00:00	9.13	13.33	0.44	2.47	2.05	2.17	3.76	2.44
28-Jun-23 18:00:00	9.11	13.47	0.60	2.46	2.04	2.17	3.76	2.44
28-Jun-23 19:00:00	9.09	13.38	0.53	2.46	2.02	2.17	3.76	2.44
28-Jun-23 20:00:00	9.07	13.30	0.46	2.46	2.01	2.17	3.76	2.43
28-Jun-23 21:00:00	9.09	13.40	0.55	2.46	2.03	2.17	3.76	2.43
28-Jun-23 22:00:00	9.11	13.39	0.52	2.47	2.03	2.17	3.75	2.44

28-Jun-23 23:00:00	9.10	13.30	0.45	2.47	2.02	2.17	3.75	2.44
29-Jun-23 00:00:00	9.09	13.36	0.52	2.47	2.01	2.17	3.75	2.43
29-Jun-23 01:00:00	9.07	13.34	0.53	2.46	2.01	2.17	3.74	2.42
29-Jun-23 02:00:00	9.04	13.25	0.46	2.45	2.00	2.17	3.75	2.42
29-Jun-23 03:00:00	9.07	13.31	0.50	2.45	2.01	2.16	3.75	2.44
29-Jun-23 04:00:00	9.08	13.37	0.54	2.46	2.01	2.17	3.75	2.44
29-Jun-23 05:00:00	9.09	13.25	0.41	2.47	2.01	2.17	3.75	2.44
29-Jun-23 06:00:00	9.06	13.32	0.50	2.47	2.00	2.17	3.75	2.43
29-Jun-23 07:00:00	9.07	13.25	0.42	2.47	2.01	2.17	3.76	2.43
29-Jun-23 08:00:00	9.09	13.28	0.43	2.47	2.00	2.17	3.76	2.44
29-Jun-23 09:00:00	9.20	13.45	0.49	2.60	2.00	2.17	3.76	2.44
29-Jun-23 10:00:00	9.28	13.42	0.38	2.65	2.03	2.17	3.75	2.44
29-Jun-23 11:00:00	9.26	13.43	0.42	2.65	2.00	2.17	3.75	2.44
29-Jun-23 12:00:00	9.26	13.49	0.47	2.65	2.01	2.17	3.75	2.44
29-Jun-23 13:00:00	9.28	13.46	0.42	2.66	2.02	2.17	3.76	2.43
29-Jun-23 14:00:00	9.26	13.43	0.42	2.66	1.97	2.16	3.75	2.45
29-Jun-23 15:00:00	9.26	13.48	0.47	2.67	1.93	2.17	3.75	2.50
29-Jun-23 16:00:00	9.24	13.42	0.44	2.67	1.92	2.17	3.74	2.48
29-Jun-23 17:00:00	9.24	13.43	0.44	2.66	1.92	2.17	3.74	2.50
29-Jun-23 18:00:00	9.26	13.55	0.55	2.66	1.93	2.17	3.74	2.50
29-Jun-23 19:00:00	9.27	13.46	0.45	2.66	1.93	2.17	3.74	2.51
29-Jun-23 20:00:00	9.27	13.55	0.55	2.65	1.93	2.17	3.73	2.52
29-Jun-23 21:00:00	9.26	13.46	0.47	2.65	1.93	2.17	3.73	2.52
29-Jun-23 22:00:00	9.22	13.37	0.43	2.64	1.91	2.17	3.72	2.50
29-Jun-23 23:00:00	9.21	13.30	0.38	2.63	1.92	2.17	3.72	2.48
30-Jun-23 00:00:00	9.20	14.72	1.80	2.63	1.91	2.17	3.72	2.50
30-Jun-23 01:00:00	9.17	15.65	2.77	2.62	1.88	2.17	3.72	2.50
30-Jun-23 02:00:00	9.17	13.73	0.85	2.63	1.88	2.17	3.72	2.49
30-Jun-23 03:00:00	9.16	13.33	0.44	2.63	1.88	2.17	3.72	2.48
30-Jun-23 04:00:00	9.18	13.40	0.51	2.63	1.89	2.17	3.72	2.49
30-Jun-23 05:00:00	9.19	13.30	0.39	2.63	1.89	2.17	3.72	2.50
30-Jun-23 06:00:00	9.20	13.49	0.67	2.63	1.90	2.17	3.72	2.50
30-Jun-23 07:00:00	9.23	13.32	0.36	2.63	1.90	2.19	3.72	2.51
30-Jun-23 08:00:00	9.24	13.38	0.42	2.64	1.90	2.20	3.72	2.51
30-Jun-23 09:00:00	9.24	13.40	0.42	2.63	1.90	2.19	3.74	2.51
30-Jun-23 10:00:00	9.25	13.33	0.34	2.63	1.90	2.20	3.73	2.52
30-Jun-23 11:00:00	9.25	13.42	0.44	2.64	1.89	2.19	3.73	2.52
30-Jun-23 12:00:00	9.26	13.39	0.39	2.65	1.90	2.20	3.73	2.52
30-Jun-23 13:00:00	9.27	13.35	0.35	2.65	1.91	2.19	3.73	2.52
30-Jun-23 14:00:00	9.30	13.45	0.41	2.65	1.93	2.19	3.74	2.53
30-Jun-23 15:00:00	9.45	13.63	0.44	2.65	2.08	2.19	3.73	2.53
30-Jun-23 16:00:00	9.49	13.57	0.36	2.65	2.11	2.19	3.73	2.53
30-Jun-23 17:00:00	9.49	13.57	0.36	2.65	2.11	2.19	3.73	2.53
30-Jun-23 18:00:00	9.49	13.62	0.40	2.65	2.12	2.19	3.73	2.53
30-Jun-23 19:00:00	9.49	13.65	0.43	2.65	2.13	2.19	3.72	2.52
30-Jun-23 20:00:00	9.50	13.59	0.36	2.65	2.13	2.19	3.73	2.52
30-Jun-23 21:00:00	9.47	13.60	0.39	2.65	2.10	2.19	3.73	2.52
30-Jun-23 22:00:00	9.48	13.64	0.44	2.65	2.10	2.20	3.73	2.53
30-Jun-23 23:00:00	9.48	13.64	0.43	2.65	2.11	2.19	3.73	2.53