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Via Courier

June 28th, 2013

Mr. Jeff Derouen, Executive Director
Kentucky Public Service Commission
211 Sower Boulevard
Frankfort, Kentucky 40602

Re: Docket CASE NO. 2012-00535

Dear Mr. Derouen:

Enclosed for the filing are an original and ten copies of the *PUBLIC VERSION OF THE SUPPLUMENTAL TESTIMONY OF FRANK ACKERMAN* and a certificate of service in docket 2012-00535 before the Kentucky Public Service Commission. This filing contains confidential information that has been redacted for public viewing.

Sincerely,

Ruben Mojica
Sierra Club Environmental Law Program
85 2nd Street, 2nd Floor
San Francisco CA, 94105
(415)977-5737

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

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JUN 28 2013

PUBLIC SERVICE
COMMISSION

In the Matter of:

Application of Big Rivers Electric Corporation For an Adjustment of Rates)))) **CASE NO. 2012-00535**

Supplemental Testimony of Frank Ackerman

On Behalf of
The Sierra Club

PUBLIC VERSION

June 28, 2013

SUPPLEMENTAL TESTIMONY OF FRANK ACKERMAN

Q. What is the purpose of your supplemental testimony?

A. A PSC ruling on June 19 directed Big Rivers to provide some documentation of its long-run production cost modeling and financial modeling on June 21. My supplemental testimony examines the implications of the newly released material for this proceeding.

Q. Please describe the materials provided by Big Rivers on June 21.

A. In response to several discovery requests from the Sierra Club, Big Rivers provided brief verbal answers, largely identifying the places where requested information could be found in nine attached spreadsheets: one for financial modeling from 2012 through 2025, six providing a base case and sensitivity analyses for production cost modeling from 2013 through 2027, and two single-sheet workbooks presenting answers to specific questions, one on price assumptions and one on individual power plant performance data.

Q. Why did the Sierra Club request information on Big Rivers' long-run financial modeling and production cost modeling?

A. Big Rivers is requesting a substantial rate increase to cover its costs, following the departure of the Century Hawesville smelter from its system in August 2013. This represents the loss of 31% of Big Rivers' peak load, with a second large loss, due to the departure of the former Alcan Sebree smelter, coming just a few months later. Despite this loss, Big Rivers has proposed to keep – and keep investing in – all of its existing generation capacity; the only proposed capacity reduction is a temporary one, idling the Wilson or Coleman plant for six years before bringing it back on line in 2019.

As I argued in my initial testimony, this will leave Big Rivers with far more capacity than is needed to serve its post-smelter load. The costs of maintaining excess capacity, including investments in routine maintenance and in environmental compliance, drive up the rates that must be charged to the much-reduced, remaining customer base. This problem will be intensified by the expected request for an additional rate increase to take effect when the second smelter leaves in January 2014.

I conclude that the requested rate increase is not fair, just, and reasonable, since it forces customers to pay for maintaining unprofitable excess capacity. Big Rivers responds that maintaining its existing capacity, including the planned reactivation of the to-be-idled Wilson or Coleman plant in 2019, is in ratepayers' best interests. The resolution of this disagreement clearly depends on long-run projections, extending well beyond the short time horizons of Big Rivers' initial filing, as the PSC's June 19 ruling recognized.

Q. Does the newly released material make a compelling case for maintaining Big Rivers' existing capacity and reactivating Wilson in 2019?

A. No, it does not. It presents [redacted]

The spreadsheets are almost entirely undocumented, with cryptic abbreviations labeling some data entries; it is difficult to be certain about the sources of the underlying assumptions. It appears likely, however, that Big Rivers has relied on unrealistic assumptions throughout its long-run projections.

Q. Have criticisms of Big Rivers' long-run modeling been raised in the past?

A. Yes. In the 2012 CPCN case, my colleague Rachel Wilson examined Big Rivers' long-run modeling in detail. She identified multiple errors and biases that led Big Rivers to an inaccurate evaluation of its power plants. Correcting for several of these errors and biases, she found that every one of Big Rivers' coal plants was uneconomic (i.e., increased the net present value of revenue requirements) compared to replacement with natural gas.[1]

Based on the limited information on long-run modeling available in this case, I believe that at least two of the problems identified by Ms. Wilson may still be present in Big Rivers' calculations, leading to the same kind of inaccuracies that she analyzed. The two problems are the inappropriate treatment of future carbon prices and the failure to include the full costs of compliance with current and anticipated environmental regulations. In addition, the newly released material adds support to one of the arguments in my initial testimony, regarding Big Rivers' overly optimistic assessment of the potential for off-system sales.

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[1] Note that all references here and throughout this testimony are to the public, not the confidential, version of Ms. Wilson's 2012 testimony.

Q. Please describe the first problem. How did Big Rivers address carbon prices in the 2012 CPCN case?

A. As Ms. Wilson explained (see her public testimony, pp.23-24, which has been filed in this proceeding as Exhibit Ackerman-4), Big Rivers assumed in its production cost modeling for the CPCN case that a CO_2 emissions price would go into effect in 2018 that would raise the market price of electricity throughout MISO, but Big Rivers failed to assume in its modeling an equivalent cost increase for its own generation units. Thus in Big Rivers' modeling the market price of electricity jumped up in 2018 when the carbon price went into effect, but the assumed cost of operating Big Rivers' plants did not. It should be clear that this is an error: if everyone has to pay a price for carbon emissions from fossil fuel plants, Big Rivers will have to pay as well.

Q. Why do you believe that the same problem may be present in Big Rivers' modeling for the current proceeding?

A. I have compared the Big Rivers forecast for the MISO Indiana hub price to two other forecasts. One is the annual average of a forecast through 2022 of the same price, the MISO Indiana Locational Marginal Price (LMP), developed by Indianapolis Power & Light (IPL) based on forecasts from the consulting firm Ventyx, as provided in a public, non-confidential data response in a recent case before the Indiana Utility Regulatory Commission.[2] (I have attached the data, in the form it was provided by IPL, as Exhibit Ackerman-8.) The other is the average electricity price to all end users from the *Annual Energy Outlook 2013*, for AEO's East North Central region, which includes Indiana and other eastern parts of MISO.[3] All are in nominal dollars per MWH.

The results are shown in Figure 1. The IPL/Ventyx forecast matches Big Rivers closely through 2018, but then continues modest growth with no sign of a surge. AEO's projections, which are slightly lower than Big Rivers and IPL/Ventyx from the start, also grow smoothly at similar rates before and after 2019. From 2013 to 2027, AEO projects average annual growth of 0.5% in the real (constant-dollar) price of electricity for the East North Central region, plus inflation averaging 2.2% per year.

Figure 1 shows that Big Rivers imagines that something enormous will happen to electricity prices around 2019 – something that is not visible to IPL/Ventyx or the AEO. Any existing generator will of course be vastly more profitable if the Big Rivers, rather than the IPL/Ventyx or AEO, price projection comes true (without any corresponding increase in the generator's operating costs). To use that price projection for ratemaking

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[2] Indiana Utility Regulatory Commission, Cause No. 44242, Indiana Power & Light response to CAC-SC DR3-3, Attachment 1.

[3] AEO prices: AEO 2013, Tables 3.3 (East North Central) and 3.6 (East South Central), spreadsheet line 122. Big Rivers price: from the spreadsheet "Big Rivers 2013-2027 Budget Exhibits – Base Case", sheet Annual Prices, line "DI_IndianaHub_All Hours", in $/MWH.

and utility planning, however, it is necessary to provide a compelling explanation of the anticipated 2019 price surge, and how the utility's own costs will purportedly remain unaffected by the surge. Big Rivers has not provided such an explanation.

The carbon price forecasting error identified by Ms. Wilson occurred at the same point in time, and could explain this jump in the graph. If the error she identified has been fixed, then another assumption has apparently been added to Big Rivers' production cost model that has a similar effect at the same point in time.

[redacted]

Figure 1. Projected electricity prices (nominal $/MWH)

Q. What effect could the price jump shown in Figure 1 have on Big Rivers' analysis in this case?

A. The Big Rivers electricity price forecast shown in Figure 1 could explain why the Company believes it will be profitable to bring the Wilson or Coleman plant back on line in 2019. At that point, the market price of electricity is assumed to rise rapidly, relative to the price of coal, making all of Big Rivers' coal units abruptly more profitable in the model. (Of course, the exact basis for Big Rivers' reported assumption that the idled plant would become profitable to operate again in 2019 is unclear given that, as noted above, Big Rivers has not provided any production cost model run actually showing a plant idled until 2019 and then reactivated.)

Q. Is the projected jump in MISO electricity prices reflected in Big Rivers' projected revenue from off-system sales?

A. Yes. Big Rivers' projected revenue per MWH from off-system sales[4] follows the Company's projection of the MISO Indiana hub all-hours price quite closely. [redacted]

Q. Is there a jump in Big Rivers' generation costs around 2019?

A. No. Big Rivers projects that the operating costs for its plants will rise gradually over time; since they are reported in nominal terms, the costs rise with inflation. There is no unusual jump in these costs around 2019. The operating costs for all Big Rivers plants rise in parallel from 2013 through 2027; to simplify the presentation, Figure 2 compares the prices of electricity and coal to Coleman operating costs. There is little change in the ratio of coal prices to operating costs over this period. On the other hand, the market price of electricity jumps upward around 2019, relative to operating costs.[5] Just as in Figure 1, it appears that Big Rivers is assuming that something unrelated to its own costs will suddenly cause a surge in the market price of electricity.

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[4] Revenue per MWH of off-system sales is shown on the "Base Case" spreadsheet, sheet "Monthly Net Market Positions", column "Sales $/MWH". Projected MISO price is the Big Rivers forecast used in Figure 1.

[5] Operating costs are the "Total operating cost/MWH" lines from the "Base Case" spreadsheet, sheet Annual Resource Report. "Coleman cost" in Figure 2 is the unweighted average of these data for Coleman 1, 2, and 3. Electricity and coal prices are defined as in Figure 1. The coal price is "Coal West KYILB 4.5", in $/MMBTU, from the "Base Case" spreadsheet, sheet Annual Prices. To simplify the presentation, both data series in Figure 2 are converted to index numbers, with (by definition) the values in 2013 = 1.0.

[redacted]

Figure 2. Electricity and coal prices compared to Coleman total operating cost/MWH

Q. **Are you aware of any explanation for this price surge, other than Ms. Wilson's description of Big Rivers' error in modeling carbon prices in the CPCN proceeding?**

A. No.

Q. **Please turn to the second problem you have identified. Why are Big Rivers' assumptions about future costs of environmental compliance relevant to this case?**

A. To continue to operate its existing plants, Big Rivers will have to pay the costs of compliance with environmental regulations that affect these plants. The rate increase requested in this case is based, in part, on a projected need to spend roughly $60 million on compliance with the MATS (mercury and air toxics) rule. As I argued in my initial testimony, the likely costs for Big Rivers of compliance with current and anticipated regulations could be much greater than that. Sargent & Lundy's 2012 report to Big Rivers, attached as Exhibit Ackerman-3 to my initial testimony, suggested that the costs of compliance on the existing plants could exceed $500 million. Some of the major expenditures recommended by Sargent & Lundy were for SO_2 and NO_x reduction required under the Cross-State Air Pollution Rule (CSAPR), and for coal combustion residuals management, as required under the less stringent of two alternatives under consideration at EPA. Although CSAPR was thrown out by an appeals court in 2012, the Supreme Court agreed to review that appeals court decision on June 24 of this year, suggesting that CSAPR compliance costs might again become relevant.

Big Rivers has argued that despite the loss of the Hawesville smelter load, it is cost-effective to own and operate all of its existing plants, with the Wilson or Coleman plant idled for six years. This argument depends, among other factors, on how much it will cost to comply with environmental regulations.

A greater cost of compliance makes the existing plants less valuable in economic terms; keeping the plants in service and investing in the needed pollution controls can increase the present value of revenue requirements, relative to alternative sources of energy. If Big Rivers has underestimated future compliance costs, it becomes more likely that it will have to request additional rate increases in the future to cover those costs.

Q. Did the Sierra Club request information on projected environmental compliance expenditures beyond 2016?

A. Yes. Data request SC 2-3, a multi-part request, asked for several categories of information, by generating unit, on an annual basis through 2030, if the Company maintains any such records or information for modeling, forecasting, or planning purposes. Capital expenditures on pollution control was one of these categories.

Q. Did Big Rivers provide the requested information?

A. No, not completely. The June 21 response provided annual information through 2027 for only 7 of the 10 requested categories. For the remaining three categories of information, the response merely cited an earlier response (the confidential response to SC 1-25), providing information through 2016. Those three categories were non-environmental capital expenditures, capital expenditures for pollution controls, and fixed operating costs.

According to a follow-up email from Big Rivers' counsel, Big Rivers did not produce this information in response to Sierra Club's data request because it does not exist. A copy of this email is attached as Exhibit Ackerman-9. According to the email,

[redacted]

Q. That e-mail (Exhibit Ackerman-9) asserts that one of the production cost model runs provided by Big Rivers on June 21, [redacted] "displays Wilson being idled in September 2013 and restarting in 2019." You have

stated that Big Rivers did not model any scenarios showing Wilson or Coleman idled until 2019 and then restarting. Can you explain this difference of views?

A. [redacted]

Q. What capital expenditures for environmental compliance are projected in the materials provided by Big Rivers on June 21?

A. In the financial model spreadsheet, produced in response to SC 2-2, the sheet "Capex & Depr" includes a line for environmental capital expenditures. [redacted]

Q. Finally, please explain why the newly released material supports your argument that Big Rivers has relied on overly optimistic projections of off-system sales.

A. The financial model spreadsheet, on the "Rates" sheet, provides projections of energy sales by customer class from 2013 to 2025. I have graphed these projections in Figure 3. This is a picture of wishful thinking, in several respects. [redacted]

[redacted] Note that Figure 3 presents sales in energy terms, not dollars. That is, projected sales volume, in TWH, jumps upward at the same point in time when, as we have seen, the forecast of market prices also takes a dramatic leap upward.

[redacted]

Figure 3. Big Rivers projected energy sales by customer class (TWH), 2013 – 2025

Q. Has Big Rivers provided an explanation of the projected surge in off-system sales in 2019?

A. No.

Q. Would the projected surge in off-system sales, if it occurred, be big enough to justify maintaining and operating all of Big Rivers' existing power plants?

A. No. The projections in Figure 3 still assume ongoing sales [redacted] to the Sebree smelter. To compensate for the loss of this smelter, Big Rivers would need a second surge in off-system sales, of about the same size as the one shown in Figure 3.

Q. Please summarize the conclusions of your supplemental testimony.

A. In the limited time available, I have examined the additional documents provided by Big Rivers on June 21. These documents provide some insights into Big Rivers' long-run planning. They do not, however, demonstrate that, following the loss of the Hawesville smelter load, the Company can afford to maintain all of its existing capacity, with one plant idled for six years. Attempting to maintain all of that capacity imposes an unfair and unreasonable burden on the remaining ratepayers, a problem that will only be intensified with the departure of the Sebree smelter in January 2014.

In fact, the modeling runs provided on June 21 suggest that Big Rivers is making at least three errors, all of which tend to exaggerate the value of its existing plants to ratepayers. First, it is assuming a dramatic increase in the price of electricity around 2019, with no corresponding increase in generation costs. The Company has not explained this price jump in its modeling, which is not present in electricity price forecasts from IPL/Ventyx or the Energy Information Administration's *Annual Energy Outlook*. However, if Big Rivers' error in carbon price modeling identified in the 2012 CPCN case by Sierra Club witness Rachel Wilson – wherein Big Rivers effectively assumed that every utility in the country would have to pay a price for its CO_2 emissions except for Big Rivers – has not yet been corrected, then the result would be an erroneous jump in electricity prices after 2018, much like the forecasts found in the Company's production cost model runs.

Second, Big Rivers has confirmed that it assumed no additional costs of environmental compliance in its long-run modeling, beyond MATS compliance in 2013-2014. Significant future costs are likely to occur: the Company's own consultants, Sargent & Lundy, estimated in 2012 that there could be needs for hundreds of millions of dollars of additional pollution control costs at Big Rivers' plants for compliance with CSAPR, coal combustion residuals regulations, and other rules.

Third, Big Rivers has forecast a huge, unexplained jump in the volume of off-system sales in 2019, occurring at the same time as the jump in prices. With such big increases in both volume and price, Big Rivers' power plants are projected to become immensely profitable. All that is missing is an explanation of the jump in volume and prices.

All of these factors lead to exaggerating the viability of the existing plants, with ratepayers picking up the tab for this costly mistake. If electricity prices do not soar in 2019, if additional pollution control investments are required, and if huge increases in off-system sales do not materialize, then ratepayers will face one rate hike after another to maintain Big Rivers' expensive excess capacity.

It is the Commission's responsibility to set fair, just, and reasonable rates for Big Rivers' ratepayers. Those rates should include the actual cost of service received by the ratepayers – but not additional costs for maintaining more capacity than is needed to serve the Company's customers.

Q. **Does this conclude your testimony?**

A. Yes, it does.

EXHIBIT 8

Endpoint	Year	Month	Resource	Variables/I	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
1	2013	January	Market Pri	1 AM Mkt	24.12	27.61	30.29	25.74	27.63	26.97	28.48	25.96	27.22	24.85	26.7	28.94	27.55	26.71	24.31	26.69	26.79	30.67	28.16	26.26	23.49	25.55	28.25	27.56	26.6	25.27	27.5	26.85	26.18	26.18	32.23
1	2013	January	Market Pri	2 AM Mkt	17.43	28.43	26.62	27.81	22.94	26.36	25.16	25.96	23.04	21.16	25.26	27.64	27.16	24.11	19.78	24.99	27.28	28.69	26.4	25.8	20.01	24.85	25.15	25	23.82	24.9	25.48	24.55	25.29	25.29	31.86
1	2013	January	Market Pri	3 AM Mkt	14.02	28.18	25.25	26.11	21.87	25.21	23.34	26.07	19.4	18.27	25.17	27.55	26.76	23.69	19.51	24.9	27.02	28.33	26.88	25.26	18.33	23.66	25.29	26.78	22.95	23.6	24.87	25.15	25.63	25.63	31.5
1	2013	January	Market Pri	4 AM Mkt	13.36	27.64	23.69	24.66	21.56	24.59	22.91	25.62	19.27	15.87	24.64	28.18	26.63	23.55	19.41	24.82	26.67	27.59	25.65	25.05	16.16	22.96	24.97	25.99	22.95	23.66	24.83	25.02	25.76	25.76	31.5
1	2013	January	Market Pri	5 AM Mkt	13.16	27.55	23.99	25.57	21.65	24.69	22.86	26.83	19.24	15.55	24.58	27.68	26.32	23.27	18.83	24.27	26.28	27.22	25.35	24.14	15.59	22.93	25.09	25.99	22.51	23.67	24.36	25.5	25.61	25.61	31.5
1	2013	January	Market Pri	6 AM Mkt	13.97	28.28	24.12	25.55	20.07	24.32	22.54	27.07	19.86	18.76	24.87	27.72	26.3	23.89	19.18	25.1	27.16	28.25	25.1	23.44	17.63	23.61	25.54	25.56	22.62	23.14	24.38	25.71	25.84	25.84	32.23
1	2013	January	Market Pri	7 AM Mkt	18.43	35.62	30.85	31.97	21.72	25.41	29.11	30.07	27.18	24.18	29.62	28.29	27.03	26.17	24.4	27.75	31.37	32.08	26.26	24.66	24.06	27.8	27.38	29.05	26.44	24.14	24.21	30.26	30.71	30.71	44.87
1	2013	January	Market Pri	8 AM Mkt	24.76	40.94	36.96	40.09	25.62	27.21	34.42	35.21	31.31	30.26	39.01	29.6	28.26	30.83	30	34.3	37.12	44.1	27.44	26.44	30.85	39.07	41.51	40.01	34.1	29.5	25.64	41.76	36.48	36.48	46.42
1	2013	January	Market Pri	9 AM Mkt	27.62	49.08	41.22	43.78	30.22	30.83	37.96	42.59	37.08	35.3	44.66	34.87	30.92	33.9	35.44	36.61	40.11	53.39	29.9	29.05	37.47	37.83	42.9	41.74	42.83	35.92	28.37	48.17	42.72	42.72	45.93
1	2013	January	Market Pri	10 AM Mkt	27.86	45.14	35.09	39.81	30.42	30.09	33.56	35	33.02	32.52	43.04	33.34	29.99	33.46	32.36	35.04	38.32	41.21	30.29	29.6	32.58	36.27	39.82	39.29	41.53	35.38	28.43	43.78	38.87	38.87	46.12
1	2013	January	Market Pri	11 AM Mkt	28.46	44.19	33.1	38.84	32.14	31.54	32.15	34.95	30.76	31.41	42.31	35.55	30.53	33.56	31.66	35.05	36.17	40.89	32.06	28.65	32.48	37.04	39.58	37.81	38.92	36.64	28.15	42.61	37.63	37.63	46.03
1	2013	January	Market Pri	Noon Mkt	29.74	41.65	32.88	35.8	31.33	31.65	30.92	31.26	30.56	31.45	39.22	34.41	29.98	33.08	32.06	32.96	35.28	36.47	31.02	28.44	31.94	35.54	37.55	38.49	38.28	35.88	28.15	40.87	37.24	37.24	45.82
1	2013	January	Market Pri	1 PM Mkt	29.15	37.61	31.77	33.91	30.46	31.97	30.6	32.74	30.23	31.39	40.1	32.08	29.43	33.22	31.42	32.51	34.62	35.26	29.21	28.07	31.42	34.28	35.69	36.39	35.92	33.04	28.37	40.22	36.27	36.27	45.27
1	2013	January	Market Pri	2 PM Mkt	28.92	35.26	30.47	33.41	29.49	30.46	29.48	32.03	30.37	30.16	35.13	29.41	29.08	31.54	30.25	31.8	33.4	32.15	28.64	27.04	30.96	32.39	32.74	35.73	34.43	31.48	27.49	35.46	34.59	34.59	45.78
1	2013	January	Market Pri	3 PM Mkt	27.69	33.91	29.69	32.06	28.72	29.83	28.54	30.61	30.15	29.99	34.56	28.58	27.77	30.74	29.67	31.18	33.31	31.93	28.3	26.02	30.52	31.44	31.68	34	33.21	29.07	27.34	33.37	33.05	33.05	44.99
1	2013	January	Market Pri	4 PM Mkt	27.84	32.63	29.2	31.26	27.61	29.28	28.86	30.29	29.89	29.87	32.51	27.75	27.96	30.52	29.39	30.77	32.55	31.04	27.17	25.94	30.4	30.47	30.73	32.86	32.67	29.37	26.81	32.54	32.16	32.16	44.94
1	2013	January	Market Pri	5 PM Mkt	28.02	31.68	29.03	30.65	27.11	28.96	28.09	29.87	29.63	29.74	31.89	27	27.71	30.1	28.56	30.32	32.03	30.58	27.16	25.21	29.39	29.68	30.1	32.01	30.57	28.62	26.31	31.56	31.46	31.46	44.99
1	2013	January	Market Pri	6 PM Mkt	30.23	32.58	29.48	31.26	28.28	29.39	28.75	30.29	30.08	30.71	32.27	28.27	28.27	30.66	29.82	30.72	32.52	31.19	27.07	26.03	30.21	30.17	30.81	32.95	30.57	30.84	27.08	31.72	31.58	31.58	45.23
1	2013	January	Market Pri	7 PM Mkt	43.55	54.07	42.45	41.99	34.38	33.31	34.56	41	34.16	41.79	43.25	39.82	36.93	36.51	36.12	35.86	40.41	35.39	32.48	33.56	39.44	37.85	39.04	40.81	31.99	34.61	33.5	37.66	36.47	36.47	46.33
1	2013	January	Market Pri	8 PM Mkt	43.25	52.69	42.55	47.36	38.08	40.98	36.62	41.68	35.35	47.04	46.79	38.41	35.8	37.87	41.46	36.94	46.84	39.86	33.19	33.11	41.56	44.87	42.04	43.65	36.75	36.88	42.56	45.14	38.45	38.45	45.92
1	2013	January	Market Pri	9 PM Mkt	40.15	44.79	35.53	36.39	30.68	33.6	35.43	37.26	33.15	40.44	39.91	33.11	32.57	34.65	38.62	34.97	42.29	35.17	30.33	29.99	37.48	39.58	38.32	40.81	32.74	33.5	38	38.45	35.11	35.11	45.8
1	2013	January	Market Pri	10 PM Mkt	36.54	40.41	33.37	35.22	30.65	33.22	31.82	35.03	31.59	34.47	36.99	31.54	31.21	32.54	35.81	34.73	39.62	33.26	29.86	28.77	33.14	35.79	34.4	36.68	30.99	31.53	32.6	35.06	32.93	32.93	44.93
1	2013	January	Market Pri	11 PM Mkt	33.97	35.19	29.34	30.66	29.83	32.94	28.58	31.61	29.32	30.73	32.84	30.67	30.35	29.84	31.57	30.89	34.84	29.76	28.53	27.6	29.78	29.96	30.04	31.54	28.83	31.16	31.97	31.12	30.55	30.55	32.69
1	2013	January	Market Pri	Midnight M	30.61	33.03	27.16	28.82	29.09	30.16	26.79	28.15	26.34	28.62	30.86	28.84	27.66	26.87	28.07	29.54	31.42	29.33	27.36	25.85	27.9	29.09	29.06	29.02	27.99	28.96	28.35	28.39	27.88	27.88	31.84
1	2013	February	Market Pri	1 AM Mkt	26.25	27.26	27.25	27.84	28.31	27.69	27.68	28.09	27.44	27.69	26.27	25.89	26.97	27.69	28.27	27.62	26.8	27.39	25.73	25.59	25.73	25.78	26.07	25.73	25.69	25.73	26.01	26.08			
1	2013	February	Market Pri	2 AM Mkt	25.89	27.29	27.26	27.84	28.31	27.42	27.68	28.14	27.69	27.6	26.12	25.98	26.8	27.69	28.31	27.63	26.31	27.25	25.73	25.58	25.47	25.73	25.73	25.47	25.43	25.73	25.73	25.73			
1	2013	February	Market Pri	3 AM Mkt	26.28	27.24	27.25	27.77	28	27.54	27.69	27.69	27.6	27.43	25.89	25.73	26.8	27.69	27.84	27.08	26.27	27.09	25.49	25.47	25.43	25.73	25.73	25.47	25.43	25.83	25.73	25.73			
1	2013	February	Market Pri	4 AM Mkt	26.35	27.25	27.01	27.84	28.31	27.61	27.68	27.71	27.6	27.66	26.32	25.73	26.8	27.68	27.82	27.25	26.8	27.64	25.64	25.43	25.47	25.73	25.73	25.47	25.47	26.04	25.73	25.73			
1	2013	February	Market Pri	5 AM Mkt	26.24	27.25	27.39	28.31	28.31	27.69	27.76	28.31	27.6	27.25	26.75	26.28	27.18	27.78	28.33	27.39	27	27.54	25.73	25.61	25.73	26.24	25.73	25.47	25.47	26.15	26.21	26.08			
1	2013	February	Market Pri	6 AM Mkt	27.43	27.55	27.54	28.35	28.57	28.31	28.35	28.31	27.82	27.69	27.4	26.8	27.69	28.34	28.44	27.69	27.17	27.83	25.73	25.73	26.14	26.97	25.88	25.47	25.9	26.8	27.11	27.24			
1	2013	February	Market Pri	7 AM Mkt	34.19	28.24	27.69	38.37	38.42	35.65	37.44	37.81	28.24	27.69	34.69	33.54	34.43	37.15	37.88	27.69	27.25	34.9	32.25	32.99	32.99	34.42	26.71	25.47	32.28	33.03	33.69	33.54			
1	2013	February	Market Pri	8 AM Mkt	34.97	28.24	27.69	39.34	38.19	37.28	37.86	38.19	28.24	27.92	35.19	34.15	35.39	38.71	38.97	27.68	27.26	35.39	32.99	33.54	33.54	34.97	27.56	25.47	33.54	34.15	34.69	34.44			
1	2013	February	Market Pri	9 AM Mkt	35.39	28.31	28.19	39.08	38.37	37.21	37.79	37.9	28.31	27.69	34.97	34.44	35.93	38.4	38.6	27.78	27.69	35.93	32.99	33.62	33.54	34.44	27.25	25.73	33.63	33.54	34.37	34.26			
1	2013	February	Market Pri	10 AM Mkt	34.97	28.31	28.09	38.92	37.92	37.57	37.58	37.78	28.31	27.98	35.39	34.4	35.78	37.45	37.85	28.17	27.45	35.39	32.93	33.54	33.12	33.97	27.42	25.73	33.78	32.95	34.02	34.15			
1	2013	February	Market Pri	11 AM Mkt	35.39	28.24	28.14	38.42	37.82	36.82	37.21	37.25	28.48	27.69	35.39	34.44	36.55	37.17	37.45	28.26	27.69	34.97	32.92	33.03	33.1	33.54	27.69	25.73	34.05	32.99	33.15	33.15			
1	2013	February	Market Pri	Noon Mkt	34.97	28.31	28.26	37.79	37.47	36.96	36.78	35.39	28.31	27.49	35.27	34.42	36.05	36.73	37.21	28.11	27.29	34.52	32.43	32.93	33.01	33.54	27.12	25.73	33.9	32.99	33.03	32.99			
1	2013	February	Market Pri	1 PM Mkt	34.92	28.24	27.69	37.21	37.79	35.67	35.93	35.39	27.69	27.26	34.4	34.44	35.39	35.39	35.88	27.58	27.25	33.91	32.81	32.94	33.01	33.02	27.2	25.73	33.61	32.62	32.92	32.92			
1	2013	February	Market Pri	2 PM Mkt	34.69	27.69	27.91	37.1	37.68	35.93	35.39	34.69	27.65	27.25	34.15	34.49	35.39	35.39	34.97	27.67	26.93	33.54	32.42	32.42	32.99	32.92	26.8	25.73	33.37	32.28	32.92	32.92			
1	2013	February	Market Pri	3 PM Mkt	34.44	27.69	27.69	37.12	37.47	35.27	35.39	34.44	27.61	26.88	33.97	34.21	35.39	35.39	34.97	27.56	26.9	33.13	32.28	32.28	32.92	32.42	26.15	25.68	33.03	32.52	32.99	32.99			
1	2013	February	Market Pri	4 PM Mkt	34.44	27.69	27.69	35.97	37.34	35.39	35.39	34.19	27.04	26.57	33.96	34.21	35.39	34.97	34.21	27.42	26.8	32.99	32.28	32.28	32.46	32.28	26.09	25.73	33	32.28	32.42	32.42			
1	2013	February	Market Pri	5 PM Mkt	33.97	27.68	28.05	36.54	37.55	35.66	35.38	34.15	27.43	26.8	34.2	34.44	35.05	35.39	34.15	27.41	26.8	32.99	32.42	32.07	32.62	32.42	26.8	25.73	33.03	32.24	32.75	32.78			
1	2013	February	Market Pri	6 PM Mkt	34.69	27.89	28.27	37.01	37.48	36.84	36.83	34.69	27.69	27.38	34.19	35.27	35.97	35.87	34.5	27.69	27.23	32.99	32.94	32.2	32.99	32.28	27.2	25.84	33.54	32.76	33.03	32.97			
1	2013	February	Market Pri	7 PM Mkt	35.39	28.62	28.48	39.08	38.43	37.79	37.31	35.39	28.24	27.69	35.39	35.93	37.85	37.58	35.39	28.2	27.69	34.18	33.15	32.99	33.54	33.12	27.23	27.15	33.66	33.15	33.69	33.54			
1	2013	February	Market Pri	8 PM Mkt	35.39	28.62	28.31	39.59	37.98	37.42	37.56	35.93	28.34	27.82	35.39	35.45	37.76	38.12	36.09	28.31	28.24	34.44	33.13	33.03	34.44	33.54	27.25	26.68	34.44	33.54	33.99	33.95			
1	2013	February	Market Pri	9 PM Mkt	35.06	28.34	28.31	39.33	37.58	37.21	37.58	35.93	28.34	27.95	35.15	35.12	37.21	37.78	35.9	27.88	28.24	34.15	32.99	33.03	34.25	33.54	27.25	26.8	33.93	33.54	33.54	33.54			
1	2013	February	Market Pri	10 PM Mkt	34.84	28.34	28.34	37.81	36.73	37.58	37.08	35.39	28.31	27.68	34.15	34.38	37.13	37.21	35.33	27.68	28.11	33.54	32.99	32.94	33.54	33.54	27.05	26.02	33.24	32.99	33.03	32.92			
1	2013	February	Market Pri	11 PM Mkt	28.31	28.24	28.34	28.82	28.31	28.55	28.78	28.48	27.69	27.69	27.69	27.69	28.78	28.48	28.31	27.64	27.69	26.8	26.07	25.89	27.25	27.65	26.34	25.76	27.25	27.01	26.8	26.82			
1	2013	February	Market Pri	Midnight M	27.69	27.55	28.31	28.78	27.77	28.31	28.34	27.82	27.69	27.03	26.63	27.67	28.24	28.29	27.82	27.2	27.42	25.79	25.73	25.73	25.89	25.89	25.73	25.73	26.25	26.32	25.73	25.73			
1	2013	March	Market Pri	1 AM Mkt	25.62	25.95	26.35	24.62	24.51	24.53	24.53	25.91	24.53	24.53	24.62	24.51	24.53	24.53	25.72	25.98	25.98	25.76	25.07	25.08	24.53	24.53	24.53	24.39	24.37	24.51	24.53	24.53	24.49	24.53	24.28
1	2013	March	Market Pri	2 AM Mkt	25.49	25.77	26.09	24.58	24.53	24.24	24.25	25.73	24.53	24.45	24.58	24.53	24.24	24.25	25.61	25.81	25.96	25.62	24.53	24.71	24.53	24.28	24.28	24.24	24.24	24.53	24.53	24.53	24.53	24.53	24.28
1	2013	March	Market Pri	3 AM Mkt	25.43	25.44	26.44	24.64	24.38	24.24	24.24	25.77	24.53	24.53	24.64	24.38	24.24	24.24	25.33	25.79	25.98	25.21	24.53	24.53	24.28	24.28	24.21	24.24	24.17	24.28	24.28	24.47	24.53	24.24	24.24
1	2013	March	Market Pri	4 AM Mkt	25.29	25.45	25.98	24.97	24.53	24.24	24.24	25.75	24.28	24.53	24.97	24.53	24.24	24.24	25.57	26.14	25.82	25.83	24.53	24.53	24.28	24.28	24.24	23.85	24.24	24.28	24.24	24.43	24.28	24.18	23.92
1	2013	March	Market Pri	5 AM Mkt	26.01	25.58	25.98	24.68	24.53	24.24	24.28	25.98	24.53	24.41	24.68	24.53	24.24	24.28	25.55	25.83	25.91	25.88	24.91	24.58	24.53	24.28	24.28	23.4	24.24	24.24	24.24	24.53	24.53	24.24	23.76
1	2013	March	Market Pri	6 AM Mkt	26.03	25.78	26.4	25.98	25.04	24.53	25.05	26.84	24.53	24.53	25.98	25.04	24.53	25.05	25.98	26.25	25.98	26.4	25.45	25.73	24.53	24.79	24.24	24.36	24.51	24.53	24.53	24.53	24.56	24.28	23.88
1	2013	March	Market Pri	7 AM Mkt	34.5	25.98	26.28	34.5	33.07	32.37	33.05	35.82	24.53	24.72	34.5	33.07	32.37	33.05	34.79	26.4	26.44	35.37	33.49	34	32.97	32.73	24.35	24.24	32.33	32.33	32.35	32.87	32.87	24.28	24.24
1	2013	March	Market Pri	8 AM Mkt	35.58	26.44	26.4	35.72	33.8	33.49	33.49	36.71	24.68	25.18	35.72	33.8	33.49	33.49	35.37	26.4	26.4	37.63	35.01	35.11	33.49	33.49	24.53	24.28	33.49	32.88	33.08	33.51	33.95	24.53	24.32
1	2013	March	Market Pri	9 AM Mkt	35.36	26.42	26.4	35.37	33.49	33.08	33.51	35.87	25.58	25.93	35.37	33.49	33.08	33.51	35.4	26.94	26.4	37.33	34.57	34.74	33.49	33.71	24.93	24.53	33.49	32.88	33.08	33.49	34.1	24.85	24.28
1	2013	March	Market Pri	10 AM Mkt	35.37	26.79	26.4	35.37	33.49	33.19	33.63	35.37	25.92	25.96	35.17	33.49	33.19	33.63	35.99	26.99	26.4	37.23	34.5	34.99	33.33	33.83	25.03	24.45	33.49	33.08	33.49	33.92	33.9	25.5	24.53
1	2013	March	Market Pri	11 AM Mkt	35.37	26.84	26.4	35.11	33.25	33.41	33.74	34.89	25.94	25.98	35.11	33.25	33.41	33.74	35.99	26.99	26.4	36.41	34.5	34.68	33.49	33.98	25.43	24.86	33.95	33.56	33.49	34.27	33.9	25.58	24.65
1	2013	March	Market Pri	Noon Mkt	35.32	26.86	26.46	34.5	33.08	33.49	33.96	34.64	25.91	24.6	34.5	33.08	33.49	33.96	35.37	26.84	26.14	35.99	34.48	34.5	33.49	33.53	25.69	24.72	34.16	34.11	33.49	34.26	34.27	25.6	24.73
1	2013	March	Market Pri	1 PM Mkt	34.57	26.84	26.44	34.42	33.08	33.26	33.81	34.27	25.82	24.92	34.42	33.08	33.26	33.81	35.37	26.4	26.03	35.37	34.04	33.98	33.49	33.98	25.55	24.68	33.56	34.1	34.1	33.88	33.99	25.59	25.1
1	2013	March	Market Pri	2 PM Mkt	34.27	26.48	26.35	33.56	32.87	33.08	33.72	33.49	25.61	24.94	33.56	32.87	33.08	33.72	35.37	26.4	25.69	35.2	34.1	34.1	33.49	33.53	25.92	25.1	34.1	34.5	34.1	33.6	33.49	25.6	24.98
1	2013	March	Market Pri	3 PM Mkt	34.1	26.44	26.4	33.08	32.94	33.08	33.97	33.11	24.69	24.97	33.08	32.94	33.08	33.97	35.33	26.43	25.6	34.99	33.49	33.16	33.49	33.49	25.69	25.18	34.25	34.41	33.49	33.48	33.49	25.3	25.25
1	2013	March	Market Pri	4 PM Mkt	33.9	26.43	26.49	33.08	33.05	32.87	33.82	33.05	24.9	24.53	33.08	33.05	32.87	33.82	34.99	25.82	25.34	34.74	33.49	33.1	33.49	33.08	25.8	25.46	33.67	34.07	33.42	33.08	33.05	25.37	24.68
1	2013	March	Market Pri	5 PM Mkt	33.93	26.42	26.4	32.87	32.75	33.08	33.53	33.05	24.64	24.53	32.87	32.75	33.08	33.53	34.83	25.98	24.96	34.64	33.49	33.05	33.49	33.07	25.84	25.61	33.49	34.1	33.49	33.08	33.05	25.23	25.08
1	2013	March	Market Pri	6 PM Mkt	33.89	26.63	26.44	32.97	32.33	32.87	34.27	33.07	25.05	24.53	32.97	32.33	32.87	34.27	34.54	25.98	24.68	35.02	33.08	33.05	33.11	32.87	25.89	25.71	33.49	34.1	33.27	32.65	33.02	25.27	25.08
1	2013	March	Market Pri	7 PM Mkt	35.37	26.99	26.6	33.49	32.33	32.88	34.5	33.37	25.72	24.79	33.49	32.33	32.88	34.5	34.63	26.04	24.68	34.74	33.09	33.08	33.1	32.87	25.8	25.94	33.49	33.49	33.05	33.05	32.87	25.33	24.68
1	2013	March	Market Pri	8 PM Mkt	35.34	27.03	27.05	33.49	32.87	33.08	35.11	33.78	26.05	25.18	33.49	32.87	33.08	35.11	35.11	26.4	25.98	35.02	33.56	33.49	33.49	32.96	25.68	25.84	34.2	34.1	33.49	33.05	32.99	25.8	25.45
1	2013	March	Market Pri	9 PM Mkt	34.54	27.02	27.02	34.09	33.1	33.54	35.32	33.54	25.97	26.24	34.09	33.1	33.54	35.32	35.37	26.44	26.5	35.37	34.81	34.5	34.36	33.49	25.73	26.15	34.5	34.5	33.98	34.25	33.05	25.89	25.9
1	2013	March	Market Pri	10 PM Mkt	34.1	26.94	26.99	33.49	32.87	33.08	35.02	33.09	25.98	25.98	33.49	32.87	33.08	35.02	35.32	26.4	26.4	34.5	34.5	33.62	33.49	33.05	25.98	25.98	33.99	33.62	33.49	33.93	32.77	25.82	25.66
1	2013	March	Market Pri	11 PM Mkt	26.69	26.74	26.84	26.03	25.98	25.64	26.4	25.61	24.68	25.86	26.03	25.98	25.64	26.4	26.84	26.4	26.4	26.4	26.4	26.18	25.93	25.94	25.1	25.89	25.98	26.02	25.98	26.28	25.98	25.55	24.68
1	2013	March	Market Pri	Midnight M	25.98	26.44	26.44	25.1	24.69	24.82	26.4	25.11	24.61	25.73	25.1	24.69	24.82	26.4	26.4	26.35	25.98	25.55	25.69	25	25.08	25.1	24.53	24.89	25.12	25.21	25.12	24.73	25.07	24.53	24.53
1	2013	April	Market Pri	1 AM Mkt	23.29	23.53	23.54	24.78	24.78	24.57	24.78	24.41	24.67	24.23	24.06	24.57	24.27	24.33	24.08	24.35	23.37	23.76	24.14	23.49	23.16	23.29	23.54	23.56	23.7	23.57	23.29	23.29	23.39	24.08	
1	2013	April	Market Pri	2 AM Mkt	23.12	23.59	23.29	24.6	24.77	24.45	24.78	24.36	24.67	23.69	23.78	24.58	23.77	23.75	23.98	23.64	23.29	23.57	23.83	23.29	23.02	23.02	23.29	23.33	23.29	23.29	23.29	23.02	23.23	23.81	
1	2013	April	Market Pri	3 AM Mkt	23.06	23.29	23.21	24.53	24.41	24.78	24.58	24.44	24.78	23.47	23.7	24.49	23.61	23.76	23.97	23.98	23.29	23.29	23.73	23.14	22.31	23.02	23.29	23.57	23.29	23.29	23.29	22.8	23.06	23.67	
1	2013	April	Market Pri	4 AM Mkt	23.06	23.11	23.29	24.38	24.42	24.54	24.72	24.42	24.51	23.76	23.7	24.39	23.59	23.78	24.27	23.87	23.36	23.53	23.7	23.14	22.31	23.06	23.29	23.29	23.29	23.29	22.96	22.31	23.06	23.54	
1	2013	April	Market Pri	5 AM Mkt	23.19	23.29	23.29	24.52	24.53	24.43	24.75	24.41	24.78	23.57	24.2	24.55	23.76	23.81	24.21	24.2	23.29	23.55	24.17	23.23	22.54	23.06	23.2	23.27	23.56	23.29	23.06	22.31	23.29	23.24	
1	2013	April	Market Pri	6 AM Mkt	23.54	23.55	23.5	24.73	24.78	24.78	24.52	24.78	24.83	24.38	24.59	24.82	23.87	23.86	24.93	24.57	23.76	24.38	24.29	23.38	22.73	23.8	23.56	23.61	23.82	23.74	23.29	22.31	23.67	23.87	
1	2013	April	Market Pri	7 AM Mkt	31.72	31.72	31.92	34.37	32.5	24.68	24.93	34.1	35.57	34.12	33.36	34.1	24.31	23.73	34.37	34.1	32.45	32.46	32.94	23.67	23.06	31.72	31.68	31.72	31.72	31.55	23.29	23.04	31.72	31.72	
1	2013	April	Market Pri	8 AM Mkt	32.42	32.5	33.71	35.57	33.85	25.07	24.78	35.57	36.31	34.37	34.72	35.31	24.49	24.05	34.72	34.37	33.66	34.1	34.1	23.8	23.12	32.16	32.16	32.46	32.96	32.96	23.55	23.11	32.04	32.5	
1	2013	April	Market Pri	9 AM Mkt	32.82	33.63	34.46	35.6	34.37	25.07	25.07	35.61	36.55	35.3	35.23	35.31	25.07	24.43	34.72	34.37	33.85	34.1	33.85	24.38	23.29	32.97	32.85	33.31	33.64	33.21	24.3	23.18	32.96	33.49	
1	2013	April	Market Pri	10 AM Mkt	33.08	33.85	34.72	36.55	34.37	25.18	25.07	34.72	35.31	35.31	35.23	35.35	25.07	24.5	35.4	34.07	33.85	33.85	33.89	24.39	23.76	32.96	33.4	33.85	33.63	33.85	24.1	23.29	32.96	33.85	
1	2013	April	Market Pri	11 AM Mkt	33.34	34.12	34.72	36.31	34.1	25.15	25.07	35.91	35.19	35.57	35.57	34.72	25.21	24.78	35.31	34.1	33.85	34.36	33.68	24.18	23.85	33.85	34.1	33.85	34.1	33.68	24.28	23.82	33.85	34.37	
1	2013	April	Market Pri	Noon Mkt	34.12	34.25	34.72	36.08	33.71	25.21	24.67	35.5	35.31	35.44	35.96	34.66	25.42	24.78	35.31	34.12	33.79	34.36	33.44	24.28	23.57	34.37	34.16	34.1	34.1	33.58	24.45	23.82	34.58	34.72	
1	2013	April	Market Pri	1 PM Mkt	34.12	34.37	35.26	36.08	33.47	25.1	24.78	35.31	34.72	35.57	35.44	34.37	25.07	24.78	34.72	34.1	33.85	34.1	32.99	24.29	23.84	34.37	34.1	34.37	34.05	33.63	24.33	24.12	35.1	35.23	
1	2013	April	Market Pri	2 PM Mkt	33.85	34.37	34.72	35.83	33.31	25.18	24.76	34.72	34.37	35.29	35.28	34.27	24.78	24.67	34.72	34.35	33.79	33.67	33.12	24.42	24	34.37	34.12	34.71	34.1	33.63	24.01	24.08	34.99	35.57	
1	2013	April	Market Pri	3 PM Mkt	32.96	34.23	34.6	34.72	33.17	25.07	24.41	34.41	33.85	34.72	34.72	33.67	24.71	24.78	33.96	33.48	32.96	33.55	33.31	24.3	24.11	34.1	33.85	33.85	33.83	33.08	24.01	24.16	34.41	35.57	
1	2013	April	Market Pri	4 PM Mkt	32.91	34.1	34.33	34.72	32.48	25.07	24.36	33.31	33.72	34.37	35.15	32.96	24.78	24.67	34.1	33.31	32.81	33.62	32.42	24.07	24.21	33.97	34.1	33.71	33.78	33.05	24.5	24.27	34.72	35.31	
1	2013	April	Market Pri	5 PM Mkt	32.49	33.85	34.37	34.72	32.5	25.07	24.29	33.85	32.6	34.42	34.72	32.54	24.78	24.52	33.78	32.96	32.92	33.2	32.16	24	24.46	33.85	34.1	33.85	33.54	32.5	24.56	24.33	34.37	35.57	
1	2013	April	Market Pri	6 PM Mkt	32.87	33.59	34.72	34.72	33.31	25.16	24.42	34.37	32.74	34.66	35.12	32.42	24.72	24.78	33.51	33.01	32.73	32.96	32.42	24.18	24.47	33.85	33.6	33.85	33.39	32.66	24.42	24.3	34.7	35.31	
1	2013	April	Market Pri	7 PM Mkt	32.46	33.57	34.22	34.72	32.96	25.07	24.56	33.85	32.76	34.37	34.72	32.38	24.78	24.63	33.62	32.66	32.46	32.5	33.72	24.28	24.39	33.82	33.31	33.73	32.96	32.42	24.09	24.17	34.27	34.6	
1	2013	April	Market Pri	8 PM Mkt	32.96	34.12	34.37	34.72	33.41	25.63	24.44	34.1	33.85	34.04	35.31	32.16	25.07	25.07	33.46	33.01	32.96	33.03	31.72	24	24.35	33.39	33.31	33.36	33.58	32.15	24.13	24.39	34.12	34.49	
1	2013	April	Market Pri	9 PM Mkt	34.07	34.1	35.31	36.24	34.47	25.23	25.07	35.52	34.14	34.72	35.57	33.8	25.07	25.07	34.72	34.05	34.37	34.18	32.45	24.3	24.78	34.37	33.91	33.99	34.12	32.66	24.05	24.42	34.72	35.29	
1	2013	April	Market Pri	10 PM Mkt	33.37	33.31	34.72	35.57	34.16	25.22	25.07	34.61	34.37	34.37	35.17	33.63	25.07	25.11	34.27	33.78	33.7	33.67	32.42	24.45	24.78	33.85	33.63	33.57	33.56	32.18	24.34	24.82	34.56	34.72	
1	2013	April	Market Pri	11 PM Mkt	24.78	24.67	25.63	25.63	25.07	25.07	24.78	25.42	25.07	25.07	25.63	25.07	24.78	25.07	25.07	25.07	25.07	25.07	24.15	23.62	24.33	25.07	24.93	24.73	24.76	24.65	23.62	24.48	25.34	25.23	
1	2013	April	Market Pri	Midnight M	24.09	24.26	25.11	25.07	24.71	25.07	24.51	24.8	24.29	24.67	25.14	24.43	24.44	24.5	24.52	24.24	24.12	24.3	23.88	23.53	23.77	24.51	24.51	24.36	24.26	23.76	23.54	23.76	24.59	24.48	
1	2013	May	Market Pri	1 AM Mkt	18.31	20.9	20.24	20.19	18.01	18.38	20.09	20.32	21.29	20.81	17.39	20.68	19.87	21.15	20.88	19.84	19.48	20.18	20.31	21.12	20.1	20.65	20.17	21.88	21.72	21.05	22.02	21.24	20.72	18.77	21.79
1	2013	May	Market Pri	2 AM Mkt	19.62	20.75	19.06	17.27	15.63	16.65	19.2	18.24	18.97	16.36	20.4	19.36	16.42	18.96	19.77	16.38	16.94	19.86	20.38	18.48	18.83	16.12	18.85	20.37	20.02	19.6	17.47	20.3	18.71	17.45	21.48
1	2013	May	Market Pri	3 AM Mkt	19.15	17.2	17.16	16.89	14.52	16.2	17.01	17.31	17.9	14.27	18.9	19.14	15.25	17.76	17.34	14.7	14.5	18.59	18.93	17.97	16.88	13.41	16.36	19.17	18.27	18.1	15.77	18.72	17.56	16.56	21.25
1	2013	May	Market Pri	4 AM Mkt	18.47	16.92	16.96	16.67	13.22	16.2	16.52	16.95	17.29	14.74	19.15	18.86	15.18	17.46	18.16	14.45	14.14	17.84	17.4	17.67	16.5	12.16	15.64	18.18	17.74	17.39	15.06	17.43	17.13	15.82	21.12
1	2013	May	Market Pri	5 AM Mkt	18.59	16.97	16.82	16.11	13.11	16.34	16.56	17.13	17.4	15.13	19.18	18.48	15.89	17.49	18.21	14.45	14.09	17.14	17.79	17.53	16.21	11.36	15.64	17.92	17.34	17.54	13.45	18.76	16.95	15.85	21.02
1	2013	May	Market Pri	6 AM Mkt	20.13	17.08	17.19	16.05	13.37	17.81	17.46	18.13	18.5	16.27	19.37	18.77	16.65	18.13	20.2	15.4	16.36	18.68	17.52	17.91	18.81	17.63	17.81	18.29	17.01	16.31	13.36	19.14	17.56	16.87	21.83
1	2013	May	Market Pri	7 AM Mkt	34.88	28.41	25.2	16.4	15.05	26.05	27.08	26.38	25.71	21.67	20.21	18.31	22.3	23	22.97	21.31	21.53	19.55	17.87	22.82	23.23	21.26	22.75	22.97	17.98	16.54	13.24	23.55	22.02	21.03	34.69
1	2013	May	Market Pri	8 AM Mkt	38.42	29.41	30.89	17.64	16.24	26.9	27.47	27.45	27.72	25.84	21.8	20.03	26.23	26.47	24.99	26.56	26.84	20.58	20.03	25.18	25.85	21.17	25.87	30.61	20.86	19.79	19.44	28.06	24.75	23.59	35.08
1	2013	May	Market Pri	9 AM Mkt	38.86	33.21	38.93	20.23	19.35	30.66	31.38	32.04	31.8	25.04	21.8	20.5	29.63	27.48	26.01	26.01	26.81	21.38	20.9	28.52	26.31	23.96	26	38.39	21.4	20.1	21.5	30.85	27	24.42	35.39
1	2013	May	Market Pri	10 AM Mkt	41.16	34.24	41.61	21.55	20.58	34.74	32.53	32.37	32.74	25.14	25.31	21.39	31.47	28.61	29.72	26.51	32.3	23.33	21.89	34.76	27.34	25.72	27.32	41.03	23.71	21.85	22.68	35.44	27.58	25.12	36.01
1	2013	May	Market Pri	11 AM Mkt	44.41	37.15	43.74	21.29	21.19	33.73	32.52	33.53	33.71	24.45	27.18	21.82	36.4	36.62	32.84	26.75	33.59	25.61	22.88	37.45	27.6	27.9	41.63	44.88	27.2	25.52	25.77	38.77	28.44	25.93	38.18
1	2013	May	Market Pri	Noon Mkt	47.52	39.85	47.21	25.09	21.57	34.64	31.73	32.78	34.76	24.08	27.32	22.37	36.04	38.1	34.66	27.81	35.92	29.24	28.99	38.81	28.64	30.83	42.66	43.77	32.93	32.25	36.55	43.11	30.74	26.06	39.16
1	2013	May	Market Pri	1 PM Mkt	47.78	39.15	49.69	25.25	21.76	32.83	32.56	34.39	32.51	23.93	27.66	22.51	34.79	38.11	34.88	29.01	34.35	31.03	31.38	38.04	30.85	32.88	43.38	44.97	36.84	37.26	39.9	45.04	31.6	26.44	39.63
1	2013	May	Market Pri	2 PM Mkt	49.99	41.74	52.97	25.61	21.96	33.92	32.85	36.82	33.31	24.06	28.35	22.3	34.22	40.22	38.11	29.63	38.61	34.6	39.15	43.29	31.13	34.45	44.08	57.7	40.48	41.29	44.65	47.17	32.28	26.16	40.19
1	2013	May	Market Pri	3 PM Mkt	54.08	45.24	53.62	25.8	23.89	33.55	33.36	38.4	35.36	24.23	26.95	22.24	37.17	42.8	40.37	37.83	43.31	37.83	40.16	40.75	30.82	36.16	44.32	60.17	41.93	46.15	50.12	45.68	31.31	26.21	40.45
1	2013	May	Market Pri	4 PM Mkt	56.13	48.07	51.67	25.12	24.49	34.14	34.05	36.6	35.9	23.63	27.3	22.11	37.22	42.96	33.18	32.06	39.13	37.1	41.88	38.27	31.57	36.01	50.33	62.49	46.26	49.81	55.82	49.6	32.1	25.58	40.92
1	2013	May	Market Pri	5 PM Mkt	56.55	50.11	39.83	25.81	25.37	33.18	33.15	34.97	35.47	24.6	26.55	22.27	36.97	43.3	35.88	35.64	39.87	40.78	43.89	38.1	30.32	36.94	53.44	61.58	48.65	54.25	66.31	49.87	32.51	25.32	40.45
1	2013	May	Market Pri	6 PM Mkt	55.28	46.44	37.48	26.07	26.14	32.88	33.4	32.79	30.3	24	26.54	22.76	31.52	40.1	29.68	30.46	36.57	41.75	44.16	39.67	29.34	40.58	53.44	51.56	47.26	58.76	76.98	50.47	31.23	24.96	40.11
1	2013	May	Market Pri	7 PM Mkt	51.66	43.26	36.25	24.42	25.08	32.89	32.12	29.21	28.92	22.71	25.35	22.96	29.21	39.01	28.42	28.72	35.35	38.47	43.43	38.59	27.4	37.9	49.1	45.84	45.57	62.07	62.41	44.67	30.05	24.47	39.72
1	2013	May	Market Pri	8 PM Mkt	46.78	37.81	33.29	23.04	25.28	29.04	28.65	27.19	27.83	22.53	25.72	23.25	27.66	35.87	25.93	27.28	29.87	33.61	37.84	41.12	25.29	29.66	43.21	40.96	37.23	44.12	44.43	43.38	27.57	24.36	38.82
1	2013	May	Market Pri	9 PM Mkt	49.86	40.92	37.51	24.47	26.11	31.99	31.24	30.4	31.75	22.92	25.87	24.39	27.98	32.19	26.09	27.37	27.3	30.74	35.49	35.48	25.77	27.47	38.3	38.67	34.55	39.89	39.97	40.08	26.29	24.5	39.16
1	2013	May	Market Pri	10 PM Mkt	47.11	40.65	37.27	24.49	28.11	32.29	33.22	33.89	35.23	25.42	26.17	26.25	30.13	35.48	27.9	29.7	30.09	32.68	40.6	40.13	27.43	30.19	41.53	41.62	34.91	44.48	42.75	39.27	27.78	25.29	38
1	2013	May	Market Pri	11 PM Mkt	31.33	26.8	25.34	20.69	21.38	23.56	24.31	24.39	24.35	19.89	23.69	24.36	23.61	24.11	22.51	23.21	22.83	24.41	26.37	21.97	22.57	23.27	27.38	27.97	28.72	35.29	32.84	28.87	22.3	21.42	22.51
1	2013	May	Market Pri	Midnight M	21.93	20.61	21.09	18.28	19.11	20.77	22	21.54	21.29	18.61	21.19	20.48	21.81	21.5	20.59	20.35	20.73	21.64	21.65	20.54	21.28	20.61	22.31	22.57	22.12	25.02	22.33	22.38	20.49	19.75	22.03
1	2013	June	Market Pri	1 AM Mkt	22.93	21.44	21.26	21.07	20.95	21.44	23.66	21.44	20.95	21.26	22.91	23.26	23.54	23.54	22.51	23.15	23.62	21.66	22.63	22.96	23.99	21.26	20.95	21.44	23.66	23.65	23.66	23.62	22.26	21.1	
1	2013	June	Market Pri	2 AM Mkt	22.58	21.1	20.95	20.95	20.82	21.26	23.62	21.1	20.33	20.95	21.44	21.44	22.77	22.52	21.3	22.12	23.12	23.88	21.26	23.05	22.96	21.1	20.82	21.1	23.62	23.62	23.62	22.78	21.26	20.88	
1	2013	June	Market Pri	3 AM Mkt	21.44	20.95	20.88	20.65	20.59	21.03	23.35	20.95	20.04	20.94	21.26	21.16	22.32	21.5	21.02	21.26	22.9	23.63	20.99	21.26	22.32	20.95	20.19	20.95	23.15	23.54	23.25	21.43	20.95	20.19	
1	2013	June	Market Pri	4 AM Mkt	21.25	20.88	20.88	20.37	20.42	20.95	23.26	20.65	19.72	20.95	21.1	20.99	21.44	21.26	20.95	21.26	22.58	23.4	20.95	21.1	22.19	20.88	20.18	20.95	23.18	22.91	22.81	21.26	20.8	20.07	
1	2013	June	Market Pri	5 AM Mkt	21.1	20.88	20.95	20.88	20.83	20.95	23.04	20.48	19.58	20.95	21.1	21.1	21.44	21.26	20.95	20.95	22.47	22.91	20.95	21.1	22.2	20.88	20.04	21.1	22.91	23.08	22.68	21.26	20.88	20.04	
1	2013	June	Market Pri	6 AM Mkt	21.14	20.86	21.26	21.09	20.95	21.26	23.62	20.72	19.58	21.16	21.42	21.44	22.33	21.44	20.95	20.95	22.78	23.62	21.26	21.44	22.58	20.95	20.04	21.44	23.1	22.93	23.19	22.05	20.95	20.04	
1	2013	June	Market Pri	7 AM Mkt	21.26	20.88	28.74	27.73	27.67	28.84	31.18	20.88	19.58	28.76	28.76	28.84	29.83	28.86	20.95	21.1	30.09	31.18	28.74	28.88	28.88	20.95	20.04	28.88	30.51	30.46	30.51	29.47	20.95	20.04	
1	2013	June	Market Pri	8 AM Mkt	22.59	20.95	29.89	28.88	28.84	30.73	32.93	20.95	20.04	29.82	29.82	30.51	30.76	30.74	21.44	21.26	31.78	31.98	29.94	30.51	30.51	21.1	20.7	30.51	31.78	31.98	31.74	30.99	21.1	20.19	
1	2013	June	Market Pri	9 AM Mkt	23.36	21.26	30.51	30.31	29.88	31.86	35.05	21.44	20.9	30.64	31.18	31.36	32.58	32.43	22.85	23.45	34.1	33.77	30.89	31.39	31.11	21.44	20.95	31.78	34.91	34.36	33.61	31.64	21.44	20.95	
1	2013	June	Market Pri	10 AM Mkt	23.62	22.91	30.97	30.51	30.51	32.58	37.58	23.54	21.12	31.73	32.49	33.08	34.18	34.2	23.88	23.62	35.88	33.8	32.58	33.12	31.78	23.54	21.19	31.77	37.64	36.97	35.38	31.98	23.62	21.26	
1	2013	June	Market Pri	11 AM Mkt	25.14	23.56	31.85	31.18	30.64	34.45	39.24	23.62	21.44	32.87	33.77	34.22	35.6	35.75	25.28	24.96	38.47	36.53	32.88	34.11	33.12	23.62	21.63	35.79	39.74	38.83	37.68	33.35	24.99	22.91	
1	2013	June	Market Pri	Noon Mkt	26.03	23.66	32.58	31.69	31.18	36.56	40.36	23.66	23.54	33.62	35.6	35.27	36.31	36.73	25.5	25.63	39.36	38.14	33.74	36.24	33.77	23.66	22.91	37.28	42.93	40.45	39.04	31.77	24.99	23.62	
1	2013	June	Market Pri	1 PM Mkt	26.2	24.19	33.1	31.98	31.65	38.14	41.19	24.99	23.61	34.17	36.63	36.24	38.08	38.15	26	26.2	42.68	39.31	34.74	37.4	34.35	23.62	23.54	38.65	45.75	41.33	41.5	35.99	25.52	23.62	
1	2013	June	Market Pri	2 PM Mkt	26.04	24.52	33.77	31.98	31.98	39.36	41.57	24.99	24.99	35.75	37.91	37.66	39.19	39.05	26.18	26.99	44.83	39.9	35.2	38.48	34.98	23.64	24.9	41.05	50.8	47.93	42.76	36.58	25.54	23.66	
1	2013	June	Market Pri	3 PM Mkt	26.03	24.75	33.34	32.55	32.12	40.95	41.19	25.53	24.91	36.36	38.34	39	40.07	39.03	26.2	27.66	46.87	40.44	35.77	39.38	35.15	23.66	25.17	42.44	51.34	51.46	45.41	36.63	25.7	25.13	
1	2013	June	Market Pri	4 PM Mkt	26.15	24.31	33.52	31.94	32.58	41.56	40.38	25.54	25.54	37.75	38.65	39.64	40.41	39.11	26.69	28.01	49.19	39.37	36.59	40.23	35.27	24.99	25.17	43.88	55.48	51.88	44.18	36.7	25.68	25.3	
1	2013	June	Market Pri	5 PM Mkt	26.2	24.99	33.56	31.98	33.25	42.34	39.91	25.83	25.7	38.04	38.48	39.76	40.8	39.06	26.82	28.35	49.57	39.35	36.68	41.63	35.08	25.12	25.54	44.58	55.95	51.25	42.45	37.14	25.73	25.54	
1	2013	June	Market Pri	6 PM Mkt	25.99	24.74	33.34	31.98	32.89	41.76	38.95	26.03	25.54	37.7	38.34	39.31	39.93	39.09	27.01	28.24	47.92	39.17	37.71	40.51	34.59	24.72	25.54	43.63	52.98	48.87	40.38	36.72	25.73	25.54	
1	2013	June	Market Pri	7 PM Mkt	25.59	24.31	32.1	31.98	32.2	41.54	37.66	25.54	25.54	37.37	37.12	38.98	38.13	38.05	26.6	28.25	44.98	38.5	36.53	39.36	34.25	24.08	25.54	41.07	46.9	44.08	38.49	33.94	25.54	25.08	
1	2013	June	Market Pri	8 PM Mkt	25.35	24.34	31.78	31.86	31.67	39.24	36.59	25.63	25.54	36.1	35.61	37.08	37.02	36.41	26.03	27.66	41.93	37.26	36.05	37.66	32.58	23.66	25.54	40.91	42.96	41.08	36.94	33.11	25.54	23.66	
1	2013	June	Market Pri	9 PM Mkt	24.49	24.24	32.16	31.18	31.76	38.9	33.77	25.54	25.54	35.2	35.77	36.67	36.49	35.28	26.2	27.02	39.8	33.77	34.34	36.43	31.98	24.79	25.3	39.38	40.79	39.03	35.13	32.36	25.45	23.66	
1	2013	June	Market Pri	10 PM Mkt	24.97	24.73	31.18	31.18	31.67	38.67	33.77	25.53	24.22	34.83	34.74	35.58	36.08	34.24	26.12	27.12	39.72	33.77	34.04	36.05	31.44	24.86	25.6	38.88	40.23	38.15	34.43	32.3	25.31	25.31	
1	2013	June	Market Pri	11 PM Mkt	23.62	23.62	23.66	23.66	25.07	27.09	24.99	23.65	23.62	25.54	25.54	25.54	26.03	25.88	25.3	26.59	27.02	26	25.54	26.2	25.1	23.54	24.99	26.68	27.66	26.68	26.2	25.44	23.62	23.62	
1	2013	June	Market Pri	Midnight M	23.47	22.91	21.44	21.44	23.54	25.99	23.65	21.44	22.58	23.66	23.62	23.07	24.99	23.9	23.85	25.44	25.87	23.66	23.66	24.99	23.62	21.55	23.54	25.54	26.01	25.13	23.62	23.62	22.47	21.62	
1	2013	July	Market Pri	1 AM Mkt	23.98	24.63	24.74	24.72	26.66	25.95	26.69	27.58	24.76	27.58	24.76	26.05	25.58	25.9	26.26	25.04	26.24	27.6	24.72	24.63	22.44	24.72	24.72	25.58	26.51	26.73	26.21	25.81	24.72	24.72	25.58
1	2013	July	Market Pri	2 AM Mkt	22.26	22.44	24.6	23.98	24.72	24.73	25.18	27.16	24.72	27.16	24.72	24.72	24.63	24.72	24.72	24.76	24.74	26.73	24.72	22.28	21.93	22.44	24.63	24.72	24.73	26.33	24.72	24.72	22.44	24.63	24.72
1	2013	July	Market Pri	3 AM Mkt	21.93	22.1	22.43	22.26	24.39	22.44	24.28	26.66	22.44	26.66	22.44	24.36	22.44	23.98	23.98	24.8	24.61	25.02	23.98	21.93	21.85	22.26	22.44	23.49	24.7	24.76	24.72	24.72	22.26	22.44	23.49
1	2013	July	Market Pri	4 AM Mkt	21.93	21.95	22.08	22.08	24.25	22.44	23.5	25.45	22.26	25.45	22.26	23.98	22.26	21.98	23.25	24.72	24.72	25.89	22.44	21.93	21.14	22.15	22.36	24.24	24.39	24.68	24.63	23.98	22.15	22.36	24.24
1	2013	July	Market Pri	5 AM Mkt	21.93	22.08	21.93	22.26	23.98	22.26	23.85	25.52	22.44	25.52	22.44	23.98	22.14	22.44	23.98	24.72	24.72	26.41	22.44	21.93	20.97	22.26	22.44	24.47	23.98	24.72	24.56	22.44	22.26	22.44	24.47
1	2013	July	Market Pri	6 AM Mkt	22.44	22.27	21.93	23.79	24.12	22.26	23.51	26.66	24.67	26.66	24.67	24.65	22.26	22.43	24.72	25.2	24.63	26.73	24.7	21.93	20.97	22.39	24.09	24.72	24.72	24.74	24.63	22.44	22.39	24.09	24.72
1	2013	July	Market Pri	7 AM Mkt	32.74	32.74	29.44	24.74	34.26	22.3	23.36	38.35	34.23	38.35	34.23	35.35	22.26	22.44	35.35	36.24	37.04	38.75	34.58	22.08	20.59	34.4	34.53	35.35	36.03	36.77	24.63	22.44	34.4	34.53	35.35
1	2013	July	Market Pri	8 AM Mkt	34.16	34.53	30.76	26.13	36.37	22.44	24.62	40.97	35.35	40.97	35.35	36.03	24.45	23.97	36.66	38.27	39.45	41.25	35.32	22.26	21.14	35.35	36.24	37.12	38.27	38.79	24.76	23.98	35.35	36.24	37.12
1	2013	July	Market Pri	9 AM Mkt	35.21	36.24	32.97	27.24	38.47	25.07	25.3	42.67	37.91	42.67	37.91	37.49	24.76	24.72	39.03	40.75	41.74	44.13	37.49	24.72	22.14	37.96	38.05	39.17	40.93	41.85	25.56	24.74	37.96	38.05	39.17
1	2013	July	Market Pri	10 AM Mkt	36.77	37.54	35.33	28.57	42.18	26.9	27.28	42.68	41.02	42.68	41.02	38.75	26.44	25.74	42.38	44.14	44.2	45.88	38.47	24.76	24.63	39.67	40.5	41.68	43.45	44.3	27.07	26.62	39.67	40.5	41.68
1	2013	July	Market Pri	11 AM Mkt	37.64	38.29	35.84	30.06	45.02	28.4	28.79	45.7	43.1	45.7	43.1	40.92	26.38	26.95	45.88	45.85	46.56	47.51	42.23	24.76	24.73	42.52	43.01	44.49	46.14	45.49	27.8	27.24	42.52	43.01	44.49
1	2013	July	Market Pri	Noon Mkt	39.15	40.75	36.74	30.95	47.45	29.46	30.6	48.47	44.79	48.47	44.79	42.87	27.6	27.96	48.57	47.54	50.28	50.13	42.58	27.24	25.4	44.22	44.73	45.72	48	47.7	28.35	28.35	44.22	44.73	45.72
1	2013	July	Market Pri	1 PM Mkt	40.23	42.45	37.49	32.07	48.99	30.6	31.99	50.32	46.47	50.32	46.47	43.75	28	28.78	50.11	49.19	52.83	51.77	43.79	27.48	26.73	46.14	45.87	46.85	49.57	49.97	29.13	29.31	46.14	45.87	46.85
1	2013	July	Market Pri	2 PM Mkt	41.61	43.57	39.44	32.33	50.78	31.44	32.33	51.88	47.12	51.88	47.12	44.72	28.57	29.16	55.03	51.08	58.07	60.06	44.15	27.37	27.4	47.4	46.93	49.06	55.18	53.39	30	29.88	47.4	46.93	49.06
1	2013	July	Market Pri	3 PM Mkt	42.09	45.61	40.33	32.51	52.44	31.9	32.75	52.49	48.36	52.49	48.36	44.24	28.82	29.58	57.63	55.76	62.78	62.5	45.23	27.61	27.61	48.38	48.17	49.89	58.91	55.29	30.25	30	48.38	48.17	49.89
1	2013	July	Market Pri	4 PM Mkt	42.93	45.65	41.32	32.77	53.28	32.13	33.4	52.84	49.32	52.84	49.32	45.45	28.92	29.66	60.41	58.27	65.4	58.81	46.19	27.72	27.8	49.21	48.17	52.19	59.17	56.62	30.53	30.59	49.21	48.17	52.19
1	2013	July	Market Pri	5 PM Mkt	43.23	46.09	41.42	32.88	54.6	32.28	33.86	53.61	49.04	53.61	49.04	44.9	29.3	29.76	61.78	56.02	60.81	59.15	46.01	28.07	28.35	48.88	48.35	52.82	60.4	56.46	31.11	30.51	48.88	48.35	52.82
1	2013	July	Market Pri	6 PM Mkt	43.47	46.26	41.66	32.32	53.9	32.32	34.02	53.4	48.3	53.4	48.3	44.74	30	30.07	59.52	54.74	68.38	56.69	44.94	28.07	28.35	48.74	47.34	52.44	58.03	54.6	31.09	31.03	48.74	47.34	52.44
1	2013	July	Market Pri	7 PM Mkt	41.82	44.86	38.33	32.33	50.36	32.33	33.83	49.26	47.56	49.26	47.56	41.62	29.66	30	54.9	51.15	62.12	53.41	42.9	28.01	28.35	47.42	46.93	50.11	54.26	50.26	30.53	31.12	47.42	46.93	50.11
1	2013	July	Market Pri	8 PM Mkt	40.3	42.43	38.97	31.83	49.04	32.09	33.41	46.75	45.37	46.75	45.37	41.82	28.89	29.16	50.83	48.61	58.57	48.1	42.45	27.91	27.59	45.58	45.65	49.08	50.13	47.24	29.66	30.05	45.58	45.65	49.08
1	2013	July	Market Pri	9 PM Mkt	39.26	41.05	38.75	31.36	47.65	31.52	32.76	45.29	42.59	45.29	42.59	40.9	28.41	28.97	48.82	47.47	55.74	46.23	39.54	27.64	27.7	44.31	44.62	49.24	49.16	46.23	29.3	30.07	44.31	44.62	49.24
1	2013	July	Market Pri	10 PM Mkt	38.25	40.21	38.02	30.95	46.47	31.07	32.33	42.68	42.8	42.68	42.8	39.88	28.35	28.75	47.21	46.73	52.91	45.22	39.54	27.4	27.73	42.87	43.99	48.12	48.29	45.94	28.81	29.66	42.87	43.99	48.12
1	2013	July	Market Pri	11 PM Mkt	26.73	27.08	26.68	29.42	29.09	29.56	31.81	28.57	27.92	28.57	27.92	27.4	27.71	28.35	29.66	29.66	31.43	28.92	27.3	26.46	26.73	27.57	28.08	29.4	29.94	29.03	28.35	28.93	27.57	28.08	29.4
1	2013	July	Market Pri	Midnight M	25.74	25.74	25.26	27.31	27.41	27.44	29.3	26.73	26.03	26.73	26.03	25.38	26.71	26.66	27.61	27.56	28.96	27.56	24.74	24.72	25.22	25.7	26.73	27.56	27.8	27.61	26.73	27.28	25.7	26.73	27.56
1	2013	August	Market Pri	1 AM Mkt	25.54	25.6	23.65	23.63	21.27	23.62	25.54	26.55	26.55	23.76	23.54	25.07	23.62	24.45	25.54	23.62	21.44	21.27	23.64	23.62	24.83	25.82	25.95	23.71	22.91	21.27	23.62	25.54	23.62	23.02	20.95
1	2013	August	Market Pri	2 AM Mkt	23.54	24.93	23.65	23.12	20.95	23.52	23.62	25.81	25.81	23.62	23.54	23.71	21.44	23.52	23.65	23.61	21.09	20.87	23.54	23.62	23.62	24.99	25.09	23.62	21.27	20.95	23.52	23.62	23.65	21.27	20.19
1	2013	August	Market Pri	3 AM Mkt	23.62	23.63	23.06	21.4	20.95	21.39	23.37	23.7	23.7	23.06	21.44	23.62	21.27	21.74	23.65	23.54	20.94	20.12	22.92	23.06	23.62	23.65	23.83	23.64	20.95	20.95	23.39	23.37	23.62	20.95	20.05
1	2013	August	Market Pri	4 AM Mkt	23.06	23.62	21.44	21.27	20.95	21.27	23.06	23.65	23.65	21.44	21.16	23.54	21.09	22.91	23.62	22.92	20.87	20.05	21.44	22.91	23.62	23.84	23.65	23.62	20.93	20.95	21.27	23.06	23.6	20.95	19.71
1	2013	August	Market Pri	5 AM Mkt	23.54	23.61	21.4	21.23	20.95	21.27	23.05	23.65	23.65	21.44	20.97	23.54	21.21	22.91	23.62	23.54	20.19	20.05	22.92	22.74	23.62	24.06	23.62	23.27	20.54	20.95	21.27	23.05	23.58	20.95	19.71
1	2013	August	Market Pri	6 AM Mkt	23.62	23.62	21.27	21.17	21.27	23.54	23.62	23.65	23.65	21.31	20.95	23.65	22.91	23.6	24.07	23.62	20.79	20.15	23.54	23.62	23.65	24.05	24.18	23.54	20.19	22.27	23.54	23.62	23.65	22.27	19.71

1	2013 August	Market Prs 7 AM Mkt	29.17	29.07	21.44	21.27	27.92	28.51	29.66	30.88	30.88	21.44	20.98	29.07	28.57	29.07	29.63	29.07	20.87	20.19	29.07	29.53	29.61	31	30.58	23.62	20.87	27.92	28.51	29.66	29.61	26.92	19.88
1	2013 August	Market Prs 8 AM Mkt	31.3	31	22.91	21.38	28.47	30.21	30.88	31.85	31.85	23.06	21.09	30.21	29.07	30.22	31.18	30.16	20.94	20.19	29.8	29.92	31	32.04	31.85	23.62	20.94	28.47	30.21	30.88	30.89	28.44	20.19
1	2013 August	Market Prs 9 AM Mkt	33.69	33.49	21.62	23.54	29.8	31.16	32.29	33.9	33.9	23.54	23.54	32.47	30.4	31.46	32.9	31	21.1	20.95	30.58	30.67	32.26	33.8	35.16	23.62	21.27	29.8	31.16	32.29	31.78	28.62	20.95
1	2013 August	Market Prs 10 AM Mkt	36.43	36.02	23.65	23.62	31.73	33.53	35.18	37.92	37.92	25.54	24.82	35.05	31.47	34.07	35.41	32.53	21.44	21.44	31.98	32.38	35.24	36.41	37.39	25.52	23.54	31.73	33.51	35.38	31.61	29.74	21.27
1	2013 August	Market Prs 11 AM Mkt	39.39	39.12	26.17	25.99	33.75	36.58	38.38	40.83	40.83	26.59	26.02	38.06	33.76	36.58	39.43	35.26	23.54	23.58	35.31	34.56	37.22	38.59	40.1	26.72	23.62	33.75	36.58	38.38	32.53	31.06	21.46
1	2013 August	Market Prs Noon Mkt	45.18	41.95	27.24	26.53	35.04	39.33	40.73	42.83	42.83	27.65	26.95	40.32	35.92	39.93	41.89	37.45	23.54	23.92	36.54	35.73	40.44	41.18	43.18	27.78	23.64	35.04	39.33	40.73	35.29	31.96	23.54
1	2013 August	Market Prs 1 PM Mkt	52.7	47.56	28.31	27.24	38.04	41.26	44.31	48.02	48.02	28.85	28.17	43	37.22	41.96	45.81	39.12	23.65	26.19	37.06	37.58	42.16	44.24	46.97	27.85	26.64	38.04	41.26	44.31	37.67	32.66	23.64
1	2013 August	Market Prs 2 PM Mkt	59.47	51.78	28.85	27.65	39.78	44.68	48.97	53.64	53.64	29.24	29.67	46.62	39.65	45.59	50.88	41.38	24.55	26.4	38.06	39.34	44.94	49.12	49.71	27.85	26.19	39.78	44.68	48.97	38.85	32.96	23.62
1	2013 August	Market Prs 3 PM Mkt	62.5	57	30.17	28.35	40.96	47.39	51.22	59.16	59.16	30.03	30.51	52.65	42.25	49.83	55.97	42.92	25.76	26.72	38.8	40.97	47.98	51.54	51.31	28.35	26.71	40.96	47.39	51.22	38.03	34.11	25.54
1	2013 August	Market Prs 4 PM Mkt	64.91	58.48	30.3	28.85	42.97	49.31	52.51	63.44	63.44	30.58	30.94	54.92	44.55	54.92	59.77	44.14	26.02	26.78	38.57	41.89	53.28	53.83	51.86	28.68	27.24	42.97	49.31	52.51	38.22	34.96	26.02
1	2013 August	Market Prs 5 PM Mkt	65.34	59.31	29.66	29.31	44.74	49.54	54.91	62.75	62.75	30.85	31.06	56.63	45.63	56.61	59.14	44.13	26.26	27.24	38.76	41.66	55.74	55.99	51.69	28.85	27.24	44.74	49.54	54.91	38.69	34.12	26.02
1	2013 August	Market Prs 6 PM Mkt	64.71	54.17	30.2	29.25	44.34	48.26	51.84	56.43	56.43	30.89	32.03	54.24	41.9	55.29	55.97	42.65	26.4	27.24	37.94	40.61	54.87	54.77	49.68	28.54	27.53	44.34	48.26	51.84	38.3	34.17	26.02
1	2013 August	Market Prs 7 PM Mkt	59.65	50.73	28.37	28.95	42.58	46.48	47.21	49.78	49.78	30.66	30.99	47.58	41.64	50.61	47.46	39.95	26.19	27.24	37.37	38.67	49.04	47.27	46.19	27.85	27.3	42.58	46.48	47.21	36.32	32.53	26.02
1	2013 August	Market Prs 8 PM Mkt	51.49	44.83	27.85	28.75	39.85	44.37	44.89	44.17	44.17	29.87	30.7	42.84	40.5	46.17	42.92	37.58	25.54	26.94	36.64	38.1	44.17	45.36	44.4	27.65	26.89	39.85	44.37	44.89	35.1	31.27	24.99
1	2013 August	Market Prs 9 PM Mkt	47.36	41.13	27.78	28.62	40.51	43.62	43.61	42.02	42.02	29.41	30.55	41.36	39.79	43.28	41.69	35.26	25.54	26.89	36.57	37.88	43.55	44.15	42.67	27.3	26.72	40.51	43.62	43.61	35.14	30.86	25.35
1	2013 August	Market Prs 10 PM Mkt	42.67	38.98	27.25	28.23	37.51	39.82	40.08	39.78	39.78	28.63	29.79	40.23	37.82	41.57	39.54	34.32	25.54	26.55	34.52	36.49	40.55	41.79	41.32	26.72	26.19	37.51	39.82	40.08	33.02	29.97	21.62
1	2013 August	Market Prs 11 PM Mkt	28.85	27.78	26.19	26.61	26.72	27.65	27.85	28.24	28.24	26.9	27.65	27.3	26.9	28.6	27.77	26.02	21.41	26.02	26.64	26.92	28.38	28.8	27.85	25.92	23.64	26.72	27.65	27.85	24.21	23.62	22.98
1	2013 August	Market Prs Midnight k	27.05	26.19	24.99	25.54	24.99	26.02	26.02	26.62	26.62	25.57	25.88	25.78	25.54	26.63	26.72	23.63	21.44	24.99	25.54	26.06	26.55	26.55	26.55	23.65	23.54	24.99	26.02	26.02	23.65	21.44	21.27
1	2013 September	Market Prs 1 AM Mkt	21.89	22.19	22.31	23.76	23.97	23.97	24.08	23.16	23.05	21.36	21.89	21.89	22.27	21.89	21.39	21.78	21.89	21.98	22.23	22.52	22.48	22.06	22.64	21.62	23.41	22.61	21.89	21.89	21.71	21.89	
1	2013 September	Market Prs 2 AM Mkt	21.89	21.89	22.1	23.21	23.62	23.62	23.55	22.05	22.09	22.76	21.88	21.84	21.89	21.79	21.19	21.45	21.89	21.89	21.89	22.21	22.22	21.89	22.28	22.86	22.25	21.97	21.89	21.78	21.17	21.83	
1	2013 September	Market Prs 3 AM Mkt	21.65	21.83	21.89	22.37	23.12	23.38	23.12	22.27	22.24	22.38	21.78	21.6	21.88	21.54	20.89	21.17	21.44	21.89	21.89	21.89	21.89	21.89	22.28	22.11	22.05	21.89	21.89	21.66	20.92	21.6	
1	2013 September	Market Prs 4 AM Mkt	21.41	21.78	21.89	21.98	22.62	23.23	22.69	22.08	21.89	22.11	21.85	21.79	21.82	21.38	20.14	21.38	21.45	21.89	21.89	21.91	21.89	21.7	21.89	22.1	22.26	21.89	21.86	21.17	20.66	21.51	
1	2013 September	Market Prs 5 AM Mkt	21.05	21.38	21.89	22.16	22.45	23.12	22.22	21.89	22.11	22.28	21.78	21.84	21.85	21.33	20.42	21.57	21.36	21.89	21.89	21.89	21.8	21.38	21.89	22.07	22.28	21.89	21.84	21.17	20.51	21.84	
1	2013 September	Market Prs 6 AM Mkt	21.05	21.27	22.08	23.58	23.6	24.01	22.25	22.08	22.05	22.86	21.89	21.89	22.07	21.46	20.55	21.89	21.89	21.89	21.89	22.09	21.89	21.38	22.15	22.68	22.3	22.44	21.89	21.56	20.92	21.89	
1	2013 September	Market Prs 7 AM Mkt	21.41	21.78	31.93	32.59	33.05	33.44	22.66	22.13	32.57	32.52	31.47	31.32	31.87	21.58	20.95	31.27	31.27	31.87	31.93	32.06	21.89	21.78	32.06	32.58	32.59	32.17	31.27	21.78	21.17	31.27	
1	2013 September	Market Prs 8 AM Mkt	21.78	21.85	32.52	33.44	33.76	33.81	23.54	22.16	32.56	32.59	31.88	31.87	32.06	21.8	21.38	31.87	31.93	32.49	32.56	32.59	21.89	21.84	32.06	33.14	33.44	32.58	31.87	21.78	21.59	32.06	
1	2013 September	Market Prs 9 AM Mkt	21.97	21.89	32.57	33.44	33.71	34.11	23.62	22.25	32.78	33.02	32.01	31.93	32.57	21.89	21.78	31.9	31.93	32.56	32.59	32.59	22.14	21.89	32.59	33.44	33.44	32.61	31.87	21.89	21.59	32.06	
1	2013 September	Market Prs 10 AM Mkt	22.41	22.5	33.44	34.11	34.53	34.71	24.08	23.23	33.61	33.28	32.6	32.56	32.59	22.08	21.84	31.93	32.12	32.78	33.12	33.28	23.36	22.51	33.43	33.71	33.86	33.14	32.42	21.89	21.89	32.5	
1	2013 September	Market Prs 11 AM Mkt	23.45	23.62	34.11	35.6	35.86	36.8	24.39	24.08	33.86	33.44	32.59	33.05	33.05	22.84	21.89	32.06	32.6	33.83	33.71	33.51	23.91	23.51	33.86	34.11	34.03	33.44	33.05	21.93	21.89	32.62	
1	2013 September	Market Prs Noon Mkt	23.62	24.23	35.3	36.99	36.14	37.75	24.76	24.33	34.11	33.44	33.05	33.14	33.44	23.12	21.89	32.59	32.78	34.03	33.86	34.02	24.48	23.99	34.09	34.71	34.11	33.86	33.43	23.06	21.89	32.58	
1	2013 September	Market Prs 1 PM Mkt	24.16	24.61	37.06	37.28	37.53	38.2	25.18	24.49	34.32	33.44	33.44	33.01	33.44	23.55	21.89	32.57	33.44	34.19	34.11	34.19	24.71	24.48	34.71	36.99	35.08	33.44	33.03	22.79	22.73	33.05	
1	2013 September	Market Prs 2 PM Mkt	24.23	24.76	38.08	39.12	38.67	38.73	25.27	24.68	36.29	33.86	33.44	33.44	33.51	21.52	22.13	32.6	33.71	34.55	34.71	35.06	24.58	24.61	36.58	38.21	35.07	33.7	33.43	23.25	23.16	33.44	
1	2013 September	Market Prs 3 PM Mkt	24.23	24.58	39.43	40.03	39.46	38.98	25.27	24.57	37.75	33.82	33.44	33.71	33.71	21.22	22.31	32.59	33.86	34.73	35.09	36.31	24.76	24.76	37.75	38.71	35.24	33.71	33.44	23.38	23.54	33.43	
1	2013 September	Market Prs 4 PM Mkt	24.48	25.19	39.65	41.26	39.52	39.44	25.59	24.76	37.74	34.11	33.49	33.86	33.71	23.48	22.6	32.94	34.11	35.18	36.42	36.58	24.76	24.61	38.23	39.34	35.18	33.65	33.44	23.62	23.2	33.43	
1	2013 September	Market Prs 5 PM Mkt	24.61	24.76	39.88	41.52	39.26	38.98	25.59	24.97	38.02	34.11	33.44	34.03	33.52	23.52	22.69	32.62	34.11	35.42	36.05	36.96	24.76	24.63	38.34	38.25	34.85	33.44	33.44	23.62	23.62	33.44	
1	2013 September	Market Prs 6 PM Mkt	24.76	25.27	39.37	41.28	39.35	38.66	25.59	25.22	37.75	34.11	33.44	34.08	33.44	22.93	22.63	32.78	34.3	35.18	35.6	36.78	24.68	24.76	38.53	38.08	34.71	33.51	31.05	23.62	23.62	33.44	
1	2013 September	Market Prs 7 PM Mkt	24.71	25.27	39.28	39.81	38.53	38.29	25.27	24.61	36.58	33.44	33.44	33.86	33.05	23.12	23.12	32.78	34.1	34.71	34.71	35.57	24.67	24.61	38.07	37.92	34.29	33.44	32.59	23.38	23.62	33.44	
1	2013 September	Market Prs 8 PM Mkt	24.21	24.75	37.93	39.32	38.19	37.42	25	24.76	35.19	33.21	33.17	33.77	33.01	23.12	23.2	33.14	34.26	34.71	35.16	34.71	24.74	24.76	38.04	38.03	34.09	33.71	32.62	23.52	23.91	33.49	
1	2013 September	Market Prs 9 PM Mkt	24.16	25.08	37.75	38.96	38.11	37.75	25.03	24.61	37.06	33.44	33.44	33.86	33.04	21.42	23.2	33.44	34.11	34.56	34.71	34.27	24.58	24.76	37.56	37.26	34.11	33.49	32.59	23.56	24.08	33.49	
1	2013 September	Market Prs 10 PM Mkt	24.08	24.67	36.58	37.49	37.48	36.63	24.72	24.76	34.71	33.14	33.05	33.44	32.78	21.06	22.25	32.59	33.44	34.09	34.11	31.86	24.48	24.48	34.71	35.18	33.71	32.69	32.06	23.12	23.56	33.05	
1	2013 September	Market Prs 11 PM Mkt	23.62	24.22	24.97	25.27	24.7	24.76	24.39	24.13	24.66	24.08	23.78	23.66	23.12	21.87	21.89	23.39	24.08	24.21	24.08	24.09	23.97	24.08	24.47	24.55	24.23	23.62	23.06	21.89	23.12	23.62	
1	2013 September	Market Prs Midnight k	22.71	23.62	24.08	24.23	24.23	24.23	23.76	23.93	24.08	23.39	22.52	22.4	21.89	21.57	21.89	22.45	22.87	23.62	23.62	23.62	23.12	23.51	24.23	24.08	23.44	21.98	22.21	21.89	21.89	22.22	
1	2013 October	Market Prs 1 AM Mkt	23.65	23.8	23.48	25.1	25.39	24.6	25.12	25.12	23.34	23.34	23.29	23.34	23.1	23.34	23.34	23.65	23.8	23.64	23.34	23.1	23.34	23.34	23.34	23.34	23.34	23.34	23.34	23.36	23.8	23.65	23.34
1	2013 October	Market Prs 2 AM Mkt	23.34	23.73	23.58	24.29	24.32	23.85	24.21	24.36	23.34	23.34	23.34	23.34	22.5	23.1	23.34	23.13	23.64	23.6	23.26	23.01	23.1	23.34	23.34	23.34	23.34	23.24	23.1	23.34	23.34	23.34	23.34
1	2013 October	Market Prs 3 AM Mkt	23.34	23.34	23.34	23.78	23.84	23.6	23.8	23.8	23.34	23.14	23.2	23.1	22.26	23.1	23.2	23.34	23.4	23.34	23.1	22.26	23.1	23.34	23.34	23.34	23.34	23.1	22.97	23.34	23.34	23.34	23.34
1	2013 October	Market Prs 4 AM Mkt	23.28	23.34	23.34	23.67	23.61	23.34	23.85	23.8	23.34	23.24	23.1	23.1	21.84	23.08	23.34	23.3	23.59	23.34	23.1	21.63	23.1	23.34	23.24	23.34	23.19	23.1	22.96	23.61	23.34	23.34	23.34
1	2013 October	Market Prs 5 AM Mkt	23.34	23.34	23.34	23.69	23.63	23.34	23.91	23.61	23.34	23.34	23.18	23.1	21.48	23.1	23.34	23.34	23.34	23.21	23.1	21.57	23.18	23.34	23.34	23.34	23.34	23.1	22.46	23.87	23.86	23.75	23.34
1	2013 October	Market Prs 6 AM Mkt	23.68	23.91	23.62	24.21	23.72	23.27	24.37	24.83	23.34	23.34	23.34	23.34	22.58	23.34	23.5	23.34	23.78	23.62	23.1	22.08	23.22	23.34	23.72	23.8	23.34	23.34	22.93	25.11	24.88	24.57	23.71
1	2013 October	Market Prs 7 AM Mkt	32.39	32.36	32.57	32.82	23.84	23.24	33.22	32.9	31.9	31.96	31.93	23.26	23.1	31.93	31.96	31.96	32.57	31.96	23.34	23.1	31.96	31.96	31.96	32.78	31.96	23.24	23.34	33.19	33.33	33.11	32.58
1	2013 October	Market Prs 8 AM Mkt	32.82	33.27	33.21	33.18	24.01	23.55	33.33	33.33	32.57	32.72	32.48	23.56	23.1	33.03	32.58	32.58	33.21	32.58	23.34	23.1	33.21	32.83	32.88	33.15	32.54	23.34	23.34	33.84	33.18	33.27	32.88
1	2013 October	Market Prs 9 AM Mkt	33.05	33.16	33.27	33.33	24.9	23.87	33.33	33.33	32.76	32.87	32.41	24	23.34	32.88	32.83	32.82	33.1	32.58	23.34	23.34	33.05	33.03	32.83	33.17	32.57	23.66	23.69	33.84	33.27	33.33	33.07
1	2013 October	Market Prs 10 AM Mkt	32.83	33.24	33.33	33.33	25.61	24.93	33.57	33.27	33.15	32.96	33.05	24.04	23.34	33.18	32.83	33.05	33.33	32.83	23.71	23.34	32.82	32.99	32.92	33.16	32.88	24.58	23.76	33.33	33.25	33.03	33.04
1	2013 October	Market Prs 11 AM Mkt	33.25	33.33	33.33	33.37	25.86	25.73	34.09	33.26	32.57	33.1	33.01	24.45	23.34	32.82	33.1	33.13	33.27	32.79	23.92	23.34	33.31	32.83	32.99	33.11	32.83	24.96	23.42	33.33	33.31	32.88	33.24
1	2013 October	Market Prs Noon Mkt	33.21	33.37	33.97	33.11	26.28	26.26	34.18	33.13	33.11	33.27	32.54	23.9	23.34	32.83	33.16	32.93	33.33	32.82	24.47	23.34	33.24	33.05	32.58	33.19	32.83	25.12	23.8	33.18	32.9	32.81	33.21
1	2013 October	Market Prs 1 PM Mkt	33.15	33.36	34.09	33.7	26.37	26.22	35.63	33.37	33.03	33.11	32.5	23.48	23.34	32.96	33.24	32.84	33.27	32.72	24.49	23.4	33.33	32.92	32.95	32.93	32.79	24.79	23.41	33.33	32.8	32.87	32.81
1	2013 October	Market Prs 2 PM Mkt	33.19	33.24	34.18	34.09	26.43	26.21	36.7	33.57	33.1	32.84	32.5	23.74	23.63	33.18	33.12	32.91	33.61	33.13	23.92	23.78	33.24	33.05	32.89	33.03	32.79	23.48	23.72	33.27	32.9	32.57	33.1
1	2013 October	Market Prs 3 PM Mkt	33.3	33.33	34.18	34.18	26.8	26.66	36.81	33.57	32.84	33.04	32.07	23.34	23.48	33.18	32.99	33.13	33.24	32.57	23.72	23.8	33.17	32.83	32.06	33.04	32.53	24.04	23.34	32.7	32.86	32.5	32.83
1	2013 October	Market Prs 4 PM Mkt	33.33	33.68	34.18	34.18	26.84	26.8	37.61	33.66	32.68	32.57	31.96	23.34	23.45	33.18	33.07	33.27	33.28	32.71	24.15	24.04	32.95	32.6	32.87	32.71	32.5	23.88	23.34	32.68	32.23	32.57	33.06
1	2013 October	Market Prs 5 PM Mkt	33.33	33.68	34.62	34.68	26.8	26.8	37.62	33.33	32.86	32.5	31.96	23.58	23.84	33.33	32.84	33.18	33.26	32.54	24.06	23.87	33.17	32.58	32.86	32.83	32.24	23.85	23.34	33.11	32.5	32.57	32.81
1	2013 October	Market Prs 6 PM Mkt	33.84	33.57	34.3	34.54	26.8	26.8	37.23	33.33	32.77	33.02	31.96	23.73	24.17	33.33	33.21	33.02	33.27	32.43	23.91	24.5	33.21	32.88	33.07	33.07	32.62	24.38	23.6	33.21	32.98	32.57	33.04
1	2013 October	Market Prs 7 PM Mkt	33.61	33.68	34.18	34.09	26.8	26.8	35.84	33.33	32.76	33.07	31.96	23.84	25.08	33.17	33.18	33.33	33.33	32.57	24.35	24.73	33.25	33.33	33.31	33.26	32.5	25	24.4	33.18	33.31	32.57	33.25
1	2013 October	Market Prs 8 PM Mkt	33.33	33.37	34.18	34.09	26.8	26.8	36.36	33.33	33.17	33.27	32.24	24.2	25.12	33.34	33.37	33.33	33.69	32.57	24.46	25.12	33.27	33.03	33.33	33.33	32.58	25.12	25.27	33.33	33.17	33.09	33.15
1	2013 October	Market Prs 9 PM Mkt	33.84	33.81	34.18	34.09	26.48	26.8	35.69	33.28	32.79	33.18	32.49	24.05	25.12	33.32	33.12	33.33	33.28	32.46	24.35	25.12	33.28	33.12	33.26	32.92	32.53	24.83	25.45	33.16	33.19	33.05	33.24
1	2013 October	Market Prs 10 PM Mkt	33.17	33.33	33.93	33.93	26.19	26.25	34.18	33.23	33.05	32.77	31.96	23.81	24.72	33.18	32.88	33.33	33.26	32.25	24.16	24.85	32.95	32.66	33.27	33.12	31.96	21.76	25.12	33.17	32.86	32.58	32.9
1	2013 October	Market Prs 11 PM Mkt	25.68	25.84	26.25	25.92	25.89	26.23	25.86	25.21	25.12	24.72	24.35	23.34	23.81	24.95	24.78	25.12	25.63	24.61	23.34	23.75	24.91	24.89	25.12	24.82	24.53	23.72	24.35	25.12	25.12	25.12	25.12
1	2013 October	Market Prs Midnight k	24.89	24.83	25.63	25.63	25.68	25.7	25.7	24.25	23.76	23.86	23.34	23.34	23.34	23.73	23.74	24.35	24.59	23.73	23.34	23.34	23.5	23.79	23.48	23.77	23.34	23.34	23.42	24.57	24.23	23.42	23.48
1	2013 November	Market Prs 1 AM Mkt	24.74	24.95	24.58	24.58	25.06	25.6	26.45	25.13	24.74	24.58	24.74	24.67	24.58	25.09	25.98	25.87	24.58	24.58	24.58	24.58	24.58	24.58	25.98	25.01	25.22	25.76	26.3	25.6	27.08	27	
1	2013 November	Market Prs 2 AM Mkt	24.58	24.58	24.58	24.5	24.58	25.46	25.89	25.01	24.58	24.58	24.58	24.58	24.65	24.88	25.59	25.78	24.58	24.58	24.58	24.58	24.58	24.58	25.87	25.06	25.05	25.76	25.96	25.6	26.25	25.92	
1	2013 November	Market Prs 3 AM Mkt	24.58	24.58	24.58	24.58	24.96	24.88	25.6	24.58	24.66	24.58	24.58	24.58	24.58	24.8	25.6	25.6	24.58	24.58	24.58	24.33	24.58	24.58	25.07	25.13	24.63	25.64	25.6	24.9	26.39	25.63	
1	2013 November	Market Prs 4 AM Mkt	24.58	24.88	24.58	24.51	24.58	25.6	25.92	24.58	24.58	24.58	24.58	24.58	24.58	24.58	25.6	25.6	24.49	24.58	24.58	24.58	24.42	24.58	25.6	25.01	24.71	25.76	25.83	24.74	26.35	25.65	
1	2013 November	Market Prs 5 AM Mkt	25.1	24.58	24.58	24.58	24.74	25.34	26.45	24.74	24.58	24.58	24.58	24.58	24.58	24.81	25.85	25.6	24.5	24.72	24.58	24.58	24.33	24.55	25.98	25.08	25.38	25.6	26.38	25.31	27	25.91	
1	2013 November	Market Prs 6 AM Mkt	25.6	24.58	24.43	25.87	25.35	26.45	27.08	26.05	24.74	24.74	24.84	24.78	25.03	25.76	27.05	25.6	24.58	25.33	24.95	24.97	24.33	25.6	26.21	25.14	26.07	26.12	28.08	26.62	28.44	26.78	
1	2013 November	Market Prs 7 AM Mkt	33.03	24.74	24.78	32.71	32.83	33.12	33.77	33.03	25.6	24.73	33.95	30.88	31.49	32.71	33.88	26.04	24.77	33.03	31.49	30.18	25.6	30.85	26.29	25.32	33.03	33.03	35.2	32.71	37.13	27.41	
1	2013 November	Market Prs 8 AM Mkt	33.88	25.61	25.05	33.12	33.03	34.4	35.52	33.12	25.99	25.03	33.03	32.38	32.71	33.03	35.65	27.08	24.85	33.03	33.03	32.1	25.75	31.96	27.05	25.6	33.17	33.62	38	33.03	38.75	28.21	
1	2013 November	Market Prs 9 AM Mkt	33.6	26.3	25.22	33.03	33.03	34.23	33.88	33.39	27.08	25.97	33.03	32.47	32.71	33.12	35.33	27.08	25.6	33.56	32.83	32.71	25.78	32.2	27.08	25.97	33.88	33.48	36.72	33.12	37.76	28.77	
1	2013 November	Market Prs 10 AM Mkt	33.12	26.66	24.74	33.03	33.03	33.88	33.88	33.51	27.08	26.45	33.03	32.83	33.03	33.47	35.26	27.08	26.45	33.6	32.72	32.71	26.74	32.3	27.36	26.45	33.88	33.24	35.92	33.03	36.97	28.52	
1	2013 November	Market Prs 11 AM Mkt	33.47	26.66	25.12	33.12	33.12	33.88	33.88	33.12	27.22	26.04	33.03	32.83	33.03	33.88	34.51	27.22	26.33	33.6	32.83	33.03	27.6	32.2	27.62	26.45	34.36	33.44	34.57	33.01	35.96	28.67	
1	2013 November	Market Prs Noon Mkt	33.03	26.45	24.63	33.03	33.03	33.52	33.03	33.12	27	25.6	33.03	32.71	32.71	33.75	33.88	27.3	26.01	33.12	32.83	32.94	27.52	32.2	27	26.35	34.19	33.12	34.57	32.87	35.32	28.67	
1	2013 November	Market Prs 1 PM Mkt	32.71	26.04	25.23	33.03	33.03	33.12	33.06	33.03	25.59	25.72	33.03	32.2	32.71	33.6	33.6	26.45	25.68	33.03	32.28	32.71	27	32.01	26.45	25.95	34.06	33.03	33.88	32.79	33.89	28.67	
1	2013 November	Market Prs 2 PM Mkt	32.44	25.78	24.58	32.83	33.03	33.19	33.03	32.96	26.18	25.78	33.03	32.44	32.71	33.88	33.53	26.12	25.01	33.03	32.2	32.71	26.45	30.88	26.45	26.12	33.88	33.03	33.43	32.56	33.88	28.34	
1	2013 November	Market Prs 3 PM Mkt	32.2	25.8	24.58	32.2	33.03	33.12	32.92	32.83	25.6	25.01	32.2	32.2	33.03	33.6	33.12	25.97	24.74	33.03	32.2	32.48	25.79	30.85	26.15	25.6	33.48	32.72	33.03	32.2	33.48	28.23	
1	2013 November	Market Prs 4 PM Mkt	31.49	25.42	25.12	32.2	32.81	33.03	33.03	31.63	25.6	24.87	32.2	32.2	32.71	33.6	33.03	25.97	25.74	33.03	32.2	32.71	25.88	30.85	25.85	25.96	33.88	32.83	33.12	32.32	33.48	28.4	
1	2013 November	Market Prs 5 PM Mkt	31.82	25.76	25.32	32.83	33.03	33.46	33.03	32.71	26.14	25.94	32.81	32.2	32.99	33.88	33.03	26.02	25.6	33.03	32.2	33.03	25.76	31.85	26.45	26.45	35.14	33.03	34.9	32.83	34.81	28.76	
1	2013 November	Market Prs 6 PM Mkt	31.49	25.91	26.45	31.58	33.88	34.99	33.72	33.12	27.08	27.62	33.45	33.12	33.6	37.12	34.03	27.31	27.68	34.29	33.01	33.6	26.45	32.99	27.59	28.21	36.96	34.56	36.77	33.88	37.01	29.03	
1	2013 November	Market Prs 7 PM Mkt	31.63	26.45	27.2	33.88	36.04	36.35	33.88	33.14	27.65	27.32	33.6	33.12	33.88	37.58	35.08	27.62	27.95	33.88	33.03	33.12	26.73	33.03	27.87	28.23	36.34	37.01	36.6	34.47	37.18	29.24	
1	2013 November	Market Prs 8 PM Mkt	32.72	26.45	27.08	33.03	33.88	36.34	33.88	33.03	27.08	27.26	33.03	33.03	33.35	37.02	33.88	27.08	28.21	33.12	33.12	33.03	26.72	32.83	28.01	28.76	35.62	36.82	35.87	33.88	36.8	28.95	
1	2013 November	Market Prs 9 PM Mkt	32.2	26.45	26.87	33.03	34.39	33.88	33.6	33.03	27.49	27.08	33.03	32.82	33.03	36.46	33.6	27.08	27.85	33.45	32.85	32.44	26.74	32.83	27.22	28.23	34.6	36.1	35.42	33.6	36.12	28.67	
1	2013 November	Market Prs 10 PM Mkt	32.08	25.91	25.89	32.2	33.12	33.6	33.03	32.71	27	26.34	32.2	32.2	32.44	33.88	33.03	26.68	27.08	32.71	32.2	31.61	26.74	32.68	27.22	27.61	33.41	34.57	33.99	33.64	35.28	28.37	
1	2013 November	Market Prs 11 PM Mkt	26.04	25.01	24.58	26.07	27.22	28.11	27.12	27	25.71	24.77	26.45	26.04	26.45	28.09	28.23	26	26.45	26.45	26.07	26.09	25.6	27.05	27	26.04	28.23	28.45	28.21	28.95	28.67	27.49	
1	2013 November	Market Prs Midnight k	25.6	24.58	24.67	25.61	26.38	27.08	26.04	25.99	24.74	24.58	24.58	24.74	25.6	26.75	27	24.88	24.74	24.71	25.19	25.37	24.58	26.45	25.6	25.58	26.07	27.58	27	28.23	28.23	27.05	
1	2013 December	Market Prs 1 AM Mkt	23.72	23.01	24.56	24.43	25.86	25.09	23.87	23.11	22.71	23.1	23.26	23.37	24.13	24.15	24.18	24.97	26.15	24.05	24.43	23.87	23.42	22.18	23.81	22.36	23.13	23.08	23.56	22.87	23.61	23.28	21.96
1	2013 December	Market Prs 2 AM Mkt	22.31	23.13	24.41	24.36	25.86	24.47	23.85	22.85	22.17	22.18	22.91	22.9	23.51	23.87	23.87	24.43	25.86	24.25	24.19	23.11	22.27	22.17	23.25	22.71	22.31	22.31	22.98	23.25	23.27	22.58	21.47
1	2013 December	Market Prs 3 AM Mkt	22.17	22.57	24.36	24.2	25.72	24.43	23.78	22.68	22.17	22.17	22.71	22.5	23.13	23.73	22.51	24.56	25.65	24.15	24.25	21.3	22.17	22.17	23.11	22.54	22.2	22.57	22.84	22.83	23.13	22.61	20.37
1	2013 December	Market Prs 4 AM Mkt	22.49	22.16	24.36	24.22	25.86	24.36	22.96	22.82	22.17	22.17	22.84	22.17	23.13	23.69	23.87	24.65	25.62	23.85	24.3	23.25	22.17	22.17	21.2	21.96	22.68	22.5	22.64	22.65	23.08	22.68	20.37
1	2013 December	Market Prs 5 AM Mkt	22.17	23.55	24.86	24.43	26.13	24.72	23.76	22.17	23.08	22.37	23.15	23.32	23.44	23.51	23.87	25.75	26.13	24.18	24.43	22.31	22.17	21.64	23.33	21.96	23.58	22.6	22.84	22.62	23.07	22.99	20.37
1	2013 December	Market Prs 6 AM Mkt	22.17	24.19	26.13	25.86	27.06	25.86	23.87	22.99	24.12	23.51	23.83	23.87	24.2	23.87	23.87	26.77	26.77	24.79	25.86	23.87	22.17	22.44	23.86	22.17	23.18	23.76	23.79	22.76	23.58	23.86	20.37
1	2013 December	Market Prs 7 AM Mkt	22.17	35.24	36.8	36.55	39.36	36.14	24.36	23	33.13	32.57	32.57	33.61	34.72	24.04	23.87	37.76	38.28	35.24	35.24	32.57	23.49	22.5	31.75	29.75	24.17	31.75	32.25	23.25	23.27	32.25	27.65
1	2013 December	Market Prs 8 AM Mkt	22.46	36.93	38.11	37.48	40.47	36.95	24.41	23.82	34.93	34.63	34.39	35.24	36	24.93	24.03	40.08	40.12	35.73	37.08	34.65	23.87	23.19	32.32	31.56	24.95	32.57	32.57	23.26	23.76	32.57	27.94
1	2013 December	Market Prs 9 AM Mkt	23.87	36.8	37.56	37.19	39.82	37.55	25.47	24.02	35.24	34.24	34.23	35.24	36.03	26.41	24.89	39.83	39.31	35.53	37.08	35.11	24.27	23.75	32.57	31.75	25.64	32.57	33.37	24.1	24.02	32.57	28.98
1	2013 December	Market Prs 10 AM Mkt	23.87	37.68	37.08	37.08	38.74	37.19	26.13	24.41	35.24	34.24	34.37	35.24	35.85	26.61	25.92	39.21	37.97	35.24	36.25	35.12	24.39	23.87	33.13	31.4	26.01	32.57	34.19	24.36	24.43	32.36	29.35
1	2013 December	Market Prs 11 AM Mkt	24.18	37.34	37.08	37.08	38.12	37.47	26.13	24.43	35.48	33.94	34.48	35.24	35.84	26.88	26.13	39.79	37.08	35.24	36.3	35.24	24.41	24.12	33.13	30.71	25.86	33.51	34.45	24.74	24.43	32.57	29.75
1	2013 December	Market Prs Noon Mkt	24.22	37.08	36.47	36.82	36.9	37.08	26.13	24.43	35.24	33.62	34.65	35.24	35.24	27.02	26.58	38.17	36.67	34.87	35.24	35.11	24.37	24.41	32.51	30.87	25.34	33.54	34.21	24.82	24.12	32.25	30.08
1	2013 December	Market Prs 1 PM Mkt	24.14	37.08	35.47	37.08	36.16	36.8	24.93	24.43	34.65	33.37	34.24	35.24	35.48	26.77	26.13	37.76	35.25	34.74	34.37	34.21	24	24.35	32.42	29.74	24.7	33.37	34.51	24.43	24.36	32.25	30.83
1	2013 December	Market Prs 2 PM Mkt	24.17	36.57	35.24	37.1	36.23	36.42	24.82	24.43	34.31	33.13	33.68	35.24	35.24	26.95	26.58	37.65	35.24	34.52	34.66	33.3	23.87	24.21	31.75	29.26	24.43	33.08	34.37	24.13	24.13	31.75	31.57
1	2013 December	Market Prs 3 PM Mkt	23.87	36.19	35.24	37.08	35.83	35.85	24.73	24.43	34.37	33.37	34.15	35.24	34.37	26.62	26.13	37.13	35.24	34.21	34.96	32.57	23.75	24.13	30.46	28.84	24.36	32.57	33.21	24.36	23.72	31.05	30.84
1	2013 December	Market Prs 4 PM Mkt	24.02	35.83	35.48	37.66	36.07	35.42	24.75	24.41	34.68	33.37	34.37	35.24	34.63	26.67	26.13	37.08	35.24	33.73	34.37	32.57	23.72	23.87	30.4	28.49	24.36	33.13	33.37	24.13	23.87	31.05	31.51
1	2013 December	Market Prs 5 PM Mkt	24.56	36.8	36.2	37.16	36.81	35.76	26.13	25.15	35.54	34.65	35.24	36.49	35.66	27.21	26.6	37.68	35.8	35.79	34.8	34.02	23.96	24.36	31.05	28.87	24.41	34.37	34.21	24.48	24.35	31.04	31.75
1	2013 December	Market Prs 6 PM Mkt	25.85	39.52	37.77	40.01	39.34	37.49	27.09	26.58	37.19	36.57	37.08	37.59	37.17	27.47	27.88	40.22	37.71	37.28	36.54	35.24	24.94	26.13	31.75	29.73	26.01	34.84	35.04	26.14	25.86	32.57	32.29
1	2013 December	Market Prs 7 PM Mkt	25.99	39.88	39.4	41.41	40.04	37.5	27.06	26.58	37.08	36.75	37.21	37.47	37.11	27.57	27.91	41.92	38.85	37.42	36.8	35.24	25.6	26.95	32.57	30.37	26.13	35.24	34.65	26.58	26.13	32.38	32.57
1	2013 December	Market Prs 8 PM Mkt	25.72	39.5	38.64	40.82	39.78	36.25	26.87	26.58	36.16	35.83	36.94	37.59	36.95	27.5	27.76	40.85	38.57	37.08	36.53	34.65	25.09	26.77	32.24	30.83	26.13	34.53	34.21	26.58	25.93	32.25	32.57
1	2013 December	Market Prs 9 PM Mkt	25.47	38.76	37.96	39.82	38.99	35.83	27.02	25.93	35.3	35.24	35.66	37.47	36.53	27.44	27.57	40.19	38.08	36.99	36.34	33.74	24.43	26.58	32.25	31.05	26.13	34.37	33.88	26.13	25.65	32.25	32.27
1	2013 December	Market Prs 10 PM Mkt	24.58	37.13	37.08	37.55	37.71	35.24	26.05	25.47	34.23	34.2	35.24	35.24	35.24	26.58	27.07	39.33	37.08	36.35	35.24	33.09	23.87	25.93	31.75	31.05	25.65	32.57	32.57	25.5	24.49	31.73	31.99
1	2013 December	Market Prs 11 PM Mkt	24.36	27.05	26.81	27.44	26.93	26.17	25.47	24.24	25.47	24.43	26.13	26.58	26.58	26.13	26.77	27.54	26.77	26.58	26.13	24.43	23.87	25.47	23.87	23.87	24.41	24.43	24.13	24.43	24.36	23.87	23.62
1	2013 December	Market Prs Midnight k	23.85	26.02	26	26.58	26.13	24.41	24.2	23.58	23.87	23.87	24.15	24.43	25.47	24.84	26.13	26.58	25.65	25.65	24.67	23.87	23.57	23.92	23.51	22.85	23.65	23.87	23.67	24.2	23.78	23.28	23.17
1	2014 January	Market Prs 1 AM Mkt	28.02	30.74	26.11	28.04	27.36	28.9	26.34	27.62	25.21	27.09	29.36	27.95	27.1	24.67	27.08	27.18	31.12	28.58	26.64	23.84	25.92	28.66	27.96	26.99	25.64	27.9	27.24	26.57	26.57	32.7	30.31
1	2014 January	Market Prs 2 AM Mkt	28.84	27.01	28.27	21.28	26.75	25.52	26.34	23.38	21.48	25.63	28.05	27.56	24.46	20.07	25.35	27.68	29.11	26.78	26.18	20.3	25.32	25.51	25.36	24.17	25.27	25.86	24.91	25.66	25.64	32.33	29.91
1	2014 January	Market Prs 3 AM Mkt	28.6	25.62	26.49	22.19	25.6	23.69	26.45	19.68	18.54	25.53	27.95	27.16	24.04	19.8	25.27	27.42	28.75	27.28	25.63	18.6	24.01	25.66	26.66	23.29	23.94	25.24	25.51	26.01	26.01	31.96	30.37
1	2014 January	Market Prs 4 AM Mkt	28.05	24.04	25.02	21.87	24.95	23.25	26	19.55	16.1	25	28.6	27.02	23.89	19.69	25.18	27.06	28	26.03	25.42	16.39	23.3	25.33	26.37	23.29	24.01	25.19	25.39	26.14	26.14	31.96	30.44
1	2014 January	Market Prs 5 AM Mkt	27.95	24.34	25.94	21.97	25.05	23.19	27.22	19.52	15.78	24.94	28.08	26.71	23.61	19.1	24.62	26.66	27.62	25.72	24.49	15.81	23.25	25.46	26.37	22.84	24.02	24.72	25.88	25.99	25.99	31.96	30.33
1	2014 January	Market Prs 6 AM Mkt	28.69	24.47	25.92	20.37	24.68	22.87	27.47	20.15	19.04	25.24	28.13	26.68	24.24	19.48	25.47	27.56	28.66	25.47	23.78	17.89	23.96	25.91	25.93	22.96	23.48	24.74	26.08	26.22	26.22	32.7	31.69
1	2014 January	Market Prs 7 AM Mkt	34.38	34.17	35.42	22.03	25.78	32.25	33.31	30.12	26.8	32.82	28.7	27.43	29	27.03	30.75	34.76	35.54	26.64	25.02	26.65	30.8	30.34	32.18	29.29	24.49	24.57	33.52	34.03	34.03	49.83	44.71
1	2014 January	Market Prs 8 AM Mkt	39.51	40.95	44.41	26	27.61	38.13	39.01	34.69	33.52	43.22	30.04	28.67	34.16	33.24	38	41.13	48.86	27.84	26.82	34.17	43.29	45.99	44.33	37.78	29.93	26.02	46.26	40.42	40.42	51.43	45.73
1	2014 January	Market Prs 9 AM Mkt	47.36	45.67	48.51	30.66	31.28	42.06	47.19	41.08	39.11	49.48	35.38	31.37	37.56	39.27	40.59	44.44	58.15	30.34	29.48	41.51	41.91	47.53	46.25	47.46	36.45	28.79	53.37	47.33	47.33	50.89	46.27
1	2014 January	Market Prs 10 AM Mkt	43.56	38.87	44.1	30.86	30.53	37.19	38.78	36.58	36.03	47.68	33.83	30.43	37.07	35.85	38.83	42.45	45.66	30.74	30.04	36.11	40.18	44.12	43.54	46.01	35.9	28.82	48.51	43.07	43.07	51.1	45.73
1	2014 January	Market Prs 11 AM Mkt	42.65	36.67	41.03	32.62	32	35.62	38.73	34.08	34.8	46.88	36.07	30.96	37.19	35.08	38.84	40.07	45.3	32.53	29.07	35.99	41.03	43.86	41.9	43.12	37.18	28.57	47.21	41.69	41.69	51	46.27
1	2014 January	Market Prs Noon Mkt	40.2	36.43	39.66	31.79	32.11	34.26	36.85	33.85	34.84	43.45	34.91	30.42	36.65	35.52	36.52	39.08	40.4	31.48	28.85	35.38	39.38	41.6	42.65	42.41	36.41	28.57	45.28	41.26	41.26	50.88	45.73
1	2014 January	Market Prs 1 PM Mkt	36.31	35.2	37.57	30.91	32.44	33.9	36.27	33.5	34.78	44.42	32.55	29.86	36.8	34.82	36.01	38.36	39.06	29.64	28.48	34.82	37.97	39.54	40.12	39.8	33.53	28.79	44.56	40.18	40.18	50.16	45.66
1	2014 January	Market Prs 2 PM Mkt	34.02	33.76	37.01	29.92	30.91	32.66	35.48	33.65	33.41	38.92	29.84	29.51	34.94	33.51	35.24	37	35.62	29.06	27.44	34.3	35.89	36.27	39.59	38.15	31.94	27.89	39.28	38.12	38.12	50.73	45.36
1	2014 January	Market Prs 3 PM Mkt	32.72	32.89	35.52	29.15	30.26	31.62	33.92	33.4	33.23	38.29	28.99	28.18	34.05	32.87	34.54	36.9	35.37	28.72	26.41	33.82	34.83	35.1	37.67	36.79	29.5	27.74	36.97	36.62	36.62	49.85	45.03
1	2014 January	Market Prs 4 PM Mkt	31.49	32.35	34.63	28.02	29.71	31.98	33.56	33.12	33.09	36.01	28.16	28.37	33.82	32.56	34.09	36.06	34.38	27.57	26.32	33.68	33.76	34.04	36.41	36.2	29.8	27.2	36.05	35.61	35.61	49.79	45.03
1	2014 January	Market Prs 5 PM Mkt	30.57	32.17	33.95	27.51	29.38	31.12	33.09	32.83	32.95	35.33	27.39	28.11	33.35	31.65	33.6	35.48	33.88	27.56	25.58	32.56	32.88	33.35	35.47	33.87	29.04	26.7	34.97	34.85	34.85	49.85	44.42
1	2014 January	Market Prs 6 PM Mkt	31.44	32.66	34.63	28.88	29.82	31.86	33.56	33.32	34.03	35.75	28.68	28.68	33.97	33.04	34.04	36.03	34.56	27.47	26.42	33.47	33.42	34.14	36.51	33.87	31.29	27.48	35.14	34.99	34.99	50.11	45.34
1	2014 January	Market Prs 7 PM Mkt	52.18	47.03	46.52	34.88	33.8	38.29	45.42	37.85	48.52	47.92	40.4	37.47	40.45	40.02	39.72	44.79	39.21	32.96	34.05	43.7	41.93	43.25	45.21	35.45	35.12	33.99	41.72	40.4	40.4	51.33	46.27
1	2014 January	Market Prs 8 PM Mkt	50.85	47.14	46.93	38.64	41.58	40.58	46.18	39.17	52.12	51.84	38.97	36.32	41.96	45.93	40.82	51.9	44.17	33.68	33.61	46.04	49.72	46.58	48.36	40.71	37.42	43.19	50.01	42.6	42.6	50.88	46.27
1	2014 January	Market Prs 9 PM Mkt	43.21	39.37	40.32	31.13	34.1	39.26	41.28	36.73	44.81	44.22	33.59	31.04	38.39	42.78	38.74	46.85	38.96	30.78	30.43	41.53	43.86	42.45	45.21	36.27	33.99	38.56	42.6	38.9	38.9	50.74	45.84
1	2014 January	Market Prs 10 PM Mkt	39	36.97	39.02	31.1	33.71	35.36	38.81	35	38.2	40.98	32	31.67	36.05	39.68	38.48	43.89	36.85	30.29	29.19	36.72	39.65	38.11	40.64	34.34	31.99	33.08	38.85	36.48	36.48	49.78	45.56
1	2014 January	Market Prs 11 PM Mkt	35.71	29.77	31.11	30.26	33.42	28.99	32.08	29.75	31.17	31.32	31.12	30.8	30.27	32.03	31.35	35.35	30.2	28.95	28.01	30.22	30.4	30.48	32	29.25	31.62	32.44	31.57	30.99	30.99	33.17	32.71
1	2014 January	Market Prs Midnight k	33.52	27.56	29.24	29.53	30.61	27.18	28.57	26.73	29.04	31.32	29.26	28.06	27.26	28.48	29.97	31.88	29.76	27.76	26.23	28.31	29.52	29.49	29.45	28.4	29.4	28.77	28.8	28.28	28.28	32.3	31.99
1	2014 February	Market Prs 1 AM Mkt	28.75	28.74	29.36	29.86	29.2	29.2	29.63	28.84	29.2	27.7	27.3	28.45	29.2	29.82	29.14	28.26	28.89	27.14	26.99	27.14	27.2	27.5	27.14	27.1	27.14	27.44	27.51	26.43			
1	2014 February	Market Prs 2 AM Mkt	28.78	28.75	29.36	29.86	28.92	29.2	29.69	29.2	29.11	27.76	27.4	28.26	29.2	29.86	29.15	27.75	28.74	27.14	26.98	26.86	27.14	27.14	26.86	26.82	27.14	27.14	27.14	26.29			
1	2014 February	Market Prs 3 AM Mkt	28.74	28.74	29.29	29.54	29.05	29.2	29.2	29.13	28.93	27.3	27.14	28.26	29.2	29.36	28.57	27.72	28.58	26.88	26.86	26.82	27.14	27.14	26.86	26.82	27.24	27.14	27.14	26.23			
1	2014 February	Market Prs 4 AM Mkt	28.74	28.51	29.36	29.86	29.11	29.2	29.23	29.11	29.18	27.76	27.14	28.26	29.2	29.34	28.74	28.26	29.16	27.05	26.82	26.86	27.14	27.14	26.86	26.86	27.47	27.14	27.14	26.09			
1	2014 February	Market Prs 5 AM Mkt	28.74	28.89	29.86	29.86	29.2	29.28	29.86	29.12	28.74	28.22	27.72	28.67	29.31	29.86	28.89	28.48	29.05	27.14	27.02	27.14	27.67	27.14	26.86	26.86	27.59	27.65	27.51	26.83			
1	2014 February	Market Prs 6 AM Mkt	29.06	29.05	29.9	30.14	29.86	29.9	29.86	29.34	29.2	28.9	28.26	29.2	29.89	30	29.2	28.66	29.35	27.14	27.14	27.57	28.45	27.29	26.86	27.32	28.26	28.6	28.74	26.85			
1	2014 February	Market Prs 7 AM Mkt	29.78	29.2	39.65	39.7	36.84	38.69	39.07	29.78	29.2	35.85	34.66	35.58	38.4	39.15	29.2	28.74	36.07	33.33	34.1	34.09	35.57	28.18	26.86	33.36	34.14	34.82	34.66	33.46			
1	2014 February	Market Prs 8 AM Mkt	29.78	29.2	40.66	39.47	38.52	39.13	39.47	29.78	29.45	36.57	35.29	36.57	40.01	40.27	28.2	28.75	36.57	34.1	34.66	34.66	36.15	29.07	26.86	34.66	35.29	35.85	35.59	34.52			
1	2014 February	Market Prs 9 AM Mkt	29.86	29.74	40.38	39.65	38.46	39.06	39.17	29.86	29.2	36.15	35.59	37.13	39.68	39.89	29.3	29.2	37.13	34.1	34.74	34.66	35.59	28.74	27.14	34.75	34.66	35.52	35.4	34.3			
1	2014 February	Market Prs 10 AM Mkt	29.86	29.63	40.22	39.19	38.83	38.83	39.06	29.86	29.51	36.57	35.55	36.97	38.7	39.12	29.72	28.95	36.57	34.02	34.66	34.22	35.1	28.82	27.14	34.91	34.05	35.16	35.29	34.31			
1	2014 February	Market Prs 11 AM Mkt	29.78	29.89	39.71	39.08	38.06	38.46	38.49	30.04	29.2	36.57	35.59	37.77	38.42	38.7	29.8	29.2	36.15	34.02	34.14	34.21	34.66	29.2	27.14	35.19	34.1	34.26	34.25	34.31			
1	2014 February	Market Prs Noon Mkt	29.86	29.8	39.05	38.73	38.19	38.01	36.57	29.86	29	36.45	35.57	37.26	37.96	38.46	29.65	28.78	35.68	33.51	34.03	34.14	34.66	28.61	27.14	35.03	34.1	34.14	34.1	34.26			
1	2014 February	Market Prs 1 PM Mkt	29.78	29.2	38.46	39.06	36.87	37.13	36.57	29.2	28.75	35.55	35.59	36.57	36.57	37.08	29.09	28.74	35.04	33.9	34.04	34.14	34.13	28.69	27.14	34.73	33.71	34.02	34.02	33.53			
1	2014 February	Market Prs 2 PM Mkt	29.2	29.44	38.34	38.94	37.13	36.57	35.85	29.17	28.74	35.29	35.65	36.57	36.57	36.15	29.19	28.41	34.66	33.5	33.5	34.1	34.02	28.26	27.14	34.49	33.36	34.02	34.02	33.24			
1	2014 February	Market Prs 3 PM Mkt	29.2	29.3	38.36	38.72	36.45	36.57	35.59	29.13	28.35	35.11	35.35	36.57	36.57	36.15	29.07	28.37	34.23	33.36	33.36	34.02	33.5	27.59	27.1	34.14	33.61	34.09	34.09	33.07			
1	2014 February	Market Prs 4 PM Mkt	29.2	29.2	37.17	38.59	36.57	36.57	35.14	28.52	28.03	35.09	35.15	36.57	36.15	35.35	28.92	28.26	34.1	33.36	33.36	33.54	33.36	27.52	27.14	34.11	33.36	33.5	33.5	32.88			
1	2014 February	Market Prs 5 PM Mkt	29.2	29.59	37.76	38.81	36.86	36.57	35.29	28.93	28.26	35.35	35.59	36.22	36.57	35.29	28.93	28.26	34.1	33.5	33.14	33.71	33.5	28.26	27.14	34.14	33.32	33.84	33.87	32.81			
1	2014 February	Market Prs 6 PM Mkt	29.42	29.82	38.25	38.74	38.08	38.06	35.85	29.2	28.88	35.34	36.45	37.17	37.07	35.66	29.2	28.73	34.1	34.04	33.28	34.1	33.36	28.69	27.25	34.66	33.85	34.14	34.08	32.87			
1	2014 February	Market Prs 7 PM Mkt	30.19	30.04	40.38	39.71	39.06	38.55	36.57	29.78	29.2	36.57	37.13	39.12	38.83	36.57	29.75	29.2	35.33	34.25	34.1	34.66	34.22	28.73	28.64	34.79	34.25	34.82	34.66	34.31			
1	2014 February	Market Prs 8 PM Mkt	30.19	29.86	40.91	39.25	38.67	38.82	37.13	29.89	29.34	36.57	36.61	39.02	39.4	37.29	29.86	29.78	35.59	34.23	34.14	35.59	34.66	28.74	28.16	35.58	34.66	35.12	35.08	34.28			
1	2014 February	Market Prs 9 PM Mkt	29.89	29.86	40.65	38.83	38.46	38.83	37.13	29.89	29.48	36.33	36.29	38.46	39.06	37.1	29.41	29.78	35.29	34.1	34.14	35.39	34.66	28.74	28.26	35.06	34.66	34.66	34.66	33.5			
1	2014 February	Market Prs 10 PM Mkt	29.89	29.89	39.03	37.96	38.83	38.32	36.57	29.86	29.2	35.29	35.53	38.35	38.46	36.51	29.2	29.65	34.66	34.1	34.04	34.66	34.66	28.53	27.45	34.35	34.1	34.14	34.02	33.07			
1	2014 February	Market Prs 11 PM Mkt	29.78	29.89	30.4	29.86	30.12	30.35	30.04	29.2	29.2	29.2	29.2	30.35	29.99	29.86	29.16	29.2	28.26	27.5	27.3	28.74	29.17	27.78	27.17	28.74	28.49	28.26	28.28	27.54			
1	2014 February	Market Prs Midnight k	29.06	29.86	30.35	29.29	29.86	29.89	29.34	29.2	28.51	28.09	29.19	29.78	29.84	29.34	28.69	28.82	27.2	27.14	27.14	27.3	27.3	27.14	27.14	27.68	27.76	27.14	27.14	26.8			
1	2014 March	Market Prs 1 AM Mkt	26.57	26.97	25.2	25.09	25.1	25.1	26.52	25.1	25.1	25.2	25.09	25.1	25.1	26.33	26.59	26.59	26.37	25.66	25.67	25.1	25.1	25.1	24.97	24.95	25.09	25.1	25.1	25.07	25.1	24.85	24.16
1	2014 March	Market Prs 2 AM Mkt	26.18	26.71	25.16	25.1	24.81	24.82	26.14	25.1	25.03	25.16	25.1	24.81	24.82	26.21	26.42	26.57	26.22	25.1	25.29	25.1	24.85	24.85	24.81	24.81	25.1	25.1	25.1	25.1	25.1	24.85	23.99
1	2014 March	Market Prs 3 AM Mkt	26.04	27.06	25.22	24.96	24.81	24.81	26.18	25.1	25.1	25.22	24.96	24.81	24.81	25.92	26.4	26.59	25.81	25.1	25.1	24.85	24.85	24.78	24.81	24.74	24.85	24.85	25.05	25.1	24.81	24.81	23.93
1	2014 March	Market Prs 4 AM Mkt	26.05	26.59	25.56	25.1	24.81	24.81	26.36	24.85	25.1	25.56	25.1	24.81	24.81	26.17	26.76	26.43	26.44	25.1	25.1	24.85	24.85	24.81	24.41	24.81	24.85	24.81	25.01	24.85	24.75	24.48	23.93
1	2014 March	Market Prs 5 AM Mkt	26.18	26.58	25.26	25.1	24.81	24.85	26.59	25.1	24.99	25.26	25.1	24.81	24.85	26.16	26.44	26.53	26.49	25.49	25.16	25.1	24.85	24.85	23.96	24.82	24.81	24.81	25.1	25.1	24.81	24.32	24.06
1	2014 March	Market Prs 6 AM Mkt	26.39	27.02	26.59	25.63	25.1	25.64	27.47	25.1	25.1	26.59	25.63	25.1	25.64	26.59	26.87	26.58	27.02	26.05	26.34	25.1	25.38	24.81	24.73	25.09	25.1	25.1	25.1	25.13	24.85	24.44	24.42
1	2014 March	Market Prs 7 AM Mkt	26.59	26.91	35.75	34.27	33.54	34.25	37.11	25.1	25.3	35.75	34.27	33.54	34.25	36.05	27.02	27.06	36.65	34.71	35.23	34.16	33.91	24.93	24.81	33.5	33.5	33.52	34.06	34.06	24.85	24.81	34
1	2014 March	Market Prs 8 AM Mkt	27.06	27.02	37.01	35.02	34.71	34.71	38.04	25.26	25.78	37.01	35.02	34.71	34.71	36.65	27.02	27.02	34.99	36.28	36.38	34.71	34.71	25.1	24.85	34.71	34.07	34.28	34.72	35.17	25.1	24.89	34.76
1	2014 March	Market Prs 9 AM Mkt	27.04	27.02	36.65	34.71	34.28	34.73	37.16	26.19	26.55	36.65	34.71	34.28	34.73	36.68	27.58	27.02	38.68	35.82	36	34.73	34.87	25.52	25.1	34.71	34.07	34.28	34.71	35.33	25.44	24.85	35.18
1	2014 March	Market Prs 10 AM Mkt	27.42	27.02	36.65	34.71	34.39	34.85	36.65	26.53	26.57	36.65	34.71	34.39	34.85	37.29	27.62	27.02	38.58	35.75	36.26	34.54	35.05	25.62	25.03	34.71	34.28	34.71	35.14	35.12	26.1	25.1	35.47
1	2014 March	Market Prs 11 AM Mkt	27.47	27.02	36.38	34.46	34.62	34.96	36.15	26.56	26.59	36.38	34.46	34.62	34.96	37.29	27.62	27.02	37.72	35.75	35.93	34.71	35.21	26.03	25.45	35.17	34.77	34.71	35.53	35.12	26.18	25.23	35.74
1	2014 March	Market Prs Noon Mkt	27.5	27.08	35.75	34.28	34.71	35.18	35.89	26.52	25.27	35.75	34.28	34.71	35.18	36.65	27.47	26.76	37.29	35.71	35.75	34.71	34.74	26.3	25.3	35.39	35.34	34.71	35.5	35.51	26.2	25.31	36.58
1	2014 March	Market Prs 1 PM Mkt	27.47	27.06	35.66	34.28	34.47	35.03	35.51	26.43	25.5	35.66	34.28	34.47	35.03	36.65	27.02	26.64	36.65	35.27	35.21	34.71	35.21	26.16	25.26	34.78	35.33	35.33	35.11	35.22	26.19	25.69	36.58

1	2014	March	Market Pri 2 PM Mkt	27.1	26.97	34.77	34.06	34.28	34.93	34.71	26.21	25.53	34.77	34.06	34.28	34.93	36.65	27.02	26.3	36.47	35.33	35.33	34.71	34.75	26.53	25.69	35.33	35.75	35.33	34.81	34.71	26.2	25.57	36.29
1	2014	March	Market Pri 3 PM Mkt	27.06	27.02	34.28	34.13	34.28	35.19	34.31	25.27	25.56	34.28	34.13	34.28	35.19	36.61	27.05	26.2	36.26	34.71	34.36	34.71	34.71	26.3	25.78	35.49	35.65	34.71	34.64	34.71	25.89	25.84	35.33
1	2014	March	Market Pri 4 PM Mkt	27.05	27.11	34.28	34.25	34.06	35.04	34.25	25.49	25.1	34.28	34.25	34.06	35.04	36.26	26.43	25.94	36	34.71	34.3	34.71	34.28	26.41	26.06	34.89	35.1	34.63	34.29	34.25	25.97	25.26	35.28
1	2014	March	Market Pri 5 PM Mkt	27.04	27.02	34.06	33.94	34.28	34.75	34.25	25.26	25.1	34.06	33.94	34.28	34.75	36.08	26.59	25.55	35.89	34.71	34.25	34.71	34.27	26.49	26.21	34.71	35.33	34.71	34.28	34.25	25.81	25.67	34.81
1	2014	March	Market Pri 6 PM Mkt	27.26	27.06	34.16	33.5	34.06	35.51	34.27	25.64	25.1	34.16	33.5	34.06	35.51	35.79	26.59	25.26	36.29	34.28	34.25	34.31	34.06	26.5	26.34	34.71	35.13	34.48	33.83	34.22	25.86	25.67	35.24
1	2014	March	Market Pri 7 PM Mkt	27.62	27.23	34.71	33.5	34.07	35.75	34.58	26.32	25.38	34.71	33.5	34.07	35.75	35.88	26.65	25.26	36	34.29	34.28	34.3	34.06	26.41	26.56	34.71	34.71	34.25	34.25	34.06	25.92	25.26	34.8
1	2014	March	Market Pri 8 PM Mkt	27.66	27.68	34.71	34.06	34.28	36.38	35	26.66	25.78	34.71	34.06	34.28	36.38	36.38	27.02	26.59	36.29	34.77	34.71	34.71	34.15	26.28	26.45	35.43	35.33	34.71	34.25	34.19	26.41	26.05	35.33
1	2014	March	Market Pri 9 PM Mkt	27.66	27.66	35.32	34.3	34.76	36.6	34.76	26.58	26.06	35.32	34.3	34.76	36.6	36.65	27.06	27.13	36.65	36.07	35.75	35.6	34.71	26.34	26.77	35.75	35.75	35.21	35.49	34.25	26.5	26.51	36.52
1	2014	March	Market Pri 10 PM Mkt	27.58	27.62	34.71	34.06	34.28	36.29	34.29	26.59	26.59	34.71	34.06	34.28	36.29	36.6	27.02	27.02	35.75	35.75	34.83	34.71	34.25	26.59	26.59	35.22	34.84	34.71	35.15	33.9	26.41	26.26	35.77
1	2014	March	Market Pri 11 PM Mkt	27.37	27.47	26.64	26.59	26.24	27.02	26.21	25.26	26.47	26.64	26.59	26.24	27.02	27.47	27.02	27.02	27.02	27.02	26.8	26.55	26.56	25.6	26.5	26.58	26.63	26.59	26.91	26.58	26.16	25.26	25.71
1	2014	March	Market Pri Midnight I	27.06	27.06	25.69	25.27	25.41	27.02	25.7	25.19	26.34	25.69	25.27	25.41	27.02	27.02	26.97	26.59	26.16	26.3	25.59	25.67	25.69	25.1	25.48	25.72	25.81	25.72	25.31	25.66	25.1	25.1	25
1	2014	April	Market Pri 1 AM Mkt	24.09	24.1	25.36	25.36	25.15	25.36	24.99	25.26	24.8	24.62	25.15	24.84	24.9	24.65	24.92	23.92	24.32	24.91	24.05	23.7	23.84	24.1	24.11	24.26	24.12	23.84	23.84	23.84	24.65	19.5	
1	2014	April	Market Pri 2 AM Mkt	24.14	23.84	25.18	25.35	25.03	25.36	24.93	25.26	24.25	24.35	25.16	24.34	24.31	24.55	24.7	23.84	24.12	24.39	23.84	23.57	23.57	23.84	23.89	23.84	23.84	23.84	23.57	23.84	24.37	20.9	
1	2014	April	Market Pri 3 AM Mkt	23.84	23.76	25.11	24.99	25.36	25.16	25.02	25.36	24.03	24.26	25.07	24.17	24.32	24.54	24.55	23.84	23.84	24.29	23.68	22.84	23.57	23.84	24.12	23.84	23.84	23.84	23.34	23.61	24.23	20.4	
1	2014	April	Market Pri 4 AM Mkt	23.67	23.84	24.96	25	25.12	25.31	25	25.08	24.32	24.26	24.97	24.14	24.35	24.84	24.43	23.91	24.09	24.26	23.68	22.84	23.61	23.84	23.84	23.84	23.84	23.5	22.84	23.61	24.1	19.67	
1	2014	April	Market Pri 5 AM Mkt	23.84	23.84	25.1	25.11	25.01	25.13	24.99	25.36	24.12	24.77	25.11	24.13	24.37	24.78	24.77	23.84	24.13	24.74	23.78	23.07	23.61	23.75	23.82	24.11	23.84	23.61	22.84	23.84	23.79	19.81	
1	2014	April	Market Pri 6 AM Mkt	24.11	24.06	25.32	25.36	25.36	25.1	25.36	25.41	24.95	25.17	25.4	24.43	24.42	25.52	25.15	24.32	24.96	24.86	23.93	23.27	24.36	24.11	24.17	24.38	24.3	23.84	22.84	24.23	24.43	21.44	
1	2014	April	Market Pri 7 AM Mkt	32.37	32.58	35.08	33.17	25.28	25.52	34.8	36.3	34.83	34.04	34.8	24.88	24.29	35.08	34.8	33.12	33.11	33.62	24.23	23.61	32.37	32.33	32.37	32.37	32.2	23.84	23.59	32.37	32.37	34.49	
1	2014	April	Market Pri 8 AM Mkt	33.17	34.4	36.3	34.55	25.66	25.36	36.3	37.06	35.08	35.43	36.04	25.07	24.61	35.43	35.08	34.35	34.8	34.8	24.36	23.66	32.83	32.83	33.13	33.64	33.64	24.11	23.65	32.7	33.17	37.99	
1	2014	April	Market Pri 9 AM Mkt	34.32	35.16	36.33	35.08	25.66	25.66	36.34	37.31	36.03	35.96	36.04	25.66	25.01	35.43	35.08	34.55	34.8	34.55	24.95	23.84	33.65	33.53	33.99	34.33	33.9	24.07	23.91	33.64	34.18	38.41	
1	2014	April	Market Pri 10 AM Mkt	34.55	35.43	37.31	35.08	25.78	25.66	35.43	36.04	36.04	35.96	36.08	25.66	25.08	36.13	34.77	34.55	34.55	34.59	24.97	24.12	33.64	34.08	34.55	34.32	34.55	24.67	23.84	33.64	34.55	40.7	
1	2014	April	Market Pri 11 AM Mkt	34.83	35.43	37.06	34.8	25.75	25.66	36.65	35.92	36.3	36.3	35.41	25.82	25.36	36.04	34.8	34.55	35.06	34.37	24.75	24.41	34.55	34.8	34.55	34.8	34.37	24.85	24.38	34.55	35.08	43.91	
1	2014	April	Market Pri Noon Mkt	34.96	35.43	36.82	34.42	25.81	25.26	36.24	36.04	36.17	36.7	35.37	26.02	25.36	36.04	34.83	34.49	35.06	34.13	24.85	24.12	35.08	34.87	34.8	34.8	34.27	25.03	24.38	35.3	35.43	46.98	
1	2014	April	Market Pri 1 PM Mkt	35.08	35.99	36.82	34.16	25.69	25.36	36.04	35.43	36.3	36.18	35.08	25.66	25.36	35.43	34.8	34.55	34.8	33.67	24.86	24.4	35.08	34.8	35.08	34.75	34.32	24.9	24.69	35.83	35.96	47.24	
1	2014	April	Market Pri 2 PM Mkt	35.08	35.43	36.57	33.99	25.78	25.34	35.43	35.08	36.02	36.01	34.98	25.36	25.26	35.43	35.06	34.49	34.36	33.81	25	24.57	35.08	34.83	34.82	34.8	34.13	24.58	24.65	35.71	36.3	49.43	
1	2014	April	Market Pri 3 PM Mkt	34.94	35.31	35.43	33.86	25.66	24.99	35.12	34.55	35.43	35.43	34.36	25.3	25.36	34.66	34.17	33.64	34.24	33.99	24.87	24.68	34.8	34.55	34.55	34.51	33.76	24.58	24.73	35.12	36.1	53.47	
1	2014	April	Market Pri 4 PM Mkt	34.8	35.03	35.41	33.15	25.66	24.93	33.99	34.41	35.08	35.88	33.64	25.36	25.26	34.8	33.99	33.49	34.11	33.09	24.63	24.78	34.67	34.8	34.4	34.48	33.71	25.08	24.84	35.43	36.04	55.5	
1	2014	April	Market Pri 5 PM Mkt	34.55	35.08	35.43	33.17	25.66	24.86	34.55	33.27	35.12	35.43	33.21	25.36	25.1	34.48	33.64	33.6	33.88	32.83	24.57	25.04	34.55	34.8	34.55	34.23	33.27	25.14	24.8	35.08	36.1	55.91	
1	2014	April	Market Pri 6 PM Mkt	34.28	35.43	35.43	33.99	25.76	25	35.08	33.41	35.37	35.84	33.09	25.31	25.36	34.2	33.71	33.4	33.64	33.09	24.75	25.05	34.55	34.29	34.55	34.07	33.33	25	24.87	35.41	36.04	54.65	
1	2014	April	Market Pri 7 PM Mkt	34.26	34.93	35.43	33.64	25.66	25.14	34.55	33.44	35.08	35.43	33.04	25.36	25.21	34.31	33.33	33.13	33.17	32.37	24.85	24.97	34.52	33.99	34.42	33.64	33.09	24.66	24.74	34.98	35.31	51.08	
1	2014	April	Market Pri 8 PM Mkt	34.83	35.08	35.43	34.09	26.24	25.02	34.8	34.55	34.74	36.04	32.83	25.66	25.66	34.15	33.69	33.64	33.71	32.37	24.57	24.92	34.07	33.99	34.04	34.27	32.81	24.7	24.97	34.83	35.2	46.26	
1	2014	April	Market Pri 9 PM Mkt	34.8	36.04	34.99	35.18	25.82	25.66	36.26	34.85	35.43	36.3	34.5	25.66	25.66	35.43	34.75	35.08	34.89	33.12	24.87	25.36	35.08	34.61	34.69	34.82	33.33	24.61	25	35.43	36.02	49.3	
1	2014	April	Market Pri 10 PM Mkt	33.99	35.43	36.3	34.87	25.81	25.66	35.32	35.08	35.08	35.9	34.32	25.66	25.7	34.98	34.48	34.39	34.36	33.09	25.03	25.36	34.55	34.32	34.26	34.25	33.04	24.91	25.4	35.27	35.43	46.58	
1	2014	April	Market Pri 11 PM Mkt	25.26	26.24	26.24	25.66	25.66	25.36	26.02	25.66	25.66	26.24	25.66	25.36	25.66	25.66	25.66	25.66	25.66	24.92	24.18	24.9	25.66	25.52	25.12	25.34	25.23	24.18	25.06	25.94	25.82	33.37	
1	2014	April	Market Pri Midnight I	24.83	25.7	25.66	25.3	25.66	25.08	25.38	24.86	25.25	25.74	25.01	25.02	25.08	25.1	24.82	24.68	24.87	24.44	24.09	24.34	25.09	25.09	24.93	24.83	24.32	24.1	24.32	25.17	25.06	23.36	
1	2014	May	Market Pri 1 AM Mkt	21.47	20.79	20.73	18.49	18.87	20.63	20.86	21.86	21.37	17.85	21.24	20.41	21.73	21.45	20.37	20	20.73	20.85	21.89	20.64	21.21	20.72	22.47	22.31	21.62	22.61	21.82	21.28	20.31	22.38	21.59
1	2014	May	Market Pri 2 AM Mkt	21.31	19.58	17.74	16.05	17.1	19.72	18.74	19.49	16.8	20.95	19.88	16.86	19.48	20.31	16.82	17.4	20.39	20.93	18.98	19.34	16.54	19.36	20.92	20.56	20.13	17.94	20.84	19.22	17.92	22.06	21.26
1	2014	May	Market Pri 3 AM Mkt	17.66	17.62	17.35	14.91	16.64	17.47	17.77	18.38	14.65	19.41	19.65	15.66	18.24	17.81	15.1	14.89	19.1	19.44	18.46	17.34	13.77	16.8	19.69	18.76	18.59	16.2	20.25	18.03	17	21.83	20.19
1	2014	May	Market Pri 4 AM Mkt	17.37	17.42	17.11	13.58	16.63	16.97	17.41	17.75	15.14	19.67	19.37	15.59	17.93	18.65	14.84	14.52	18.32	17.86	18.14	16.95	12.49	16.06	18.67	18.22	17.85	15.47	17.9	17.6	16.25	21.68	20.01
1	2014	May	Market Pri 5 AM Mkt	17.43	17.27	16.54	13.47	16.78	17	17.6	17.87	15.54	19.7	18.98	16.32	17.97	18.7	14.84	14.47	17.63	18.27	18	16.65	11.66	16.06	18.4	17.81	18.01	13.81	19.27	17.41	16.28	21.59	19.86
1	2014	May	Market Pri 6 AM Mkt	17.54	17.65	16.49	13.73	18.29	17.93	18.62	18.99	16.71	19.89	19.28	17.1	18.62	20.74	15.82	16.8	19.19	17.99	18.39	19.32	12.97	18.29	18.78	17.47	16.75	13.72	19.66	18.03	17.33	22.42	19.9
1	2014	May	Market Pri 7 AM Mkt	29.27	25.96	16.85	15.46	26.84	27.91	27.18	26.49	22.33	20.75	18.8	22.98	23.7	23.67	21.96	22.18	20.08	18.35	23.52	23.94	21.9	23.44	23.67	18.47	16.99	13.6	24.27	22.69	21.67	35.75	20.02
1	2014	May	Market Pri 8 AM Mkt	30.3	31.83	18.11	16.68	27.72	28.31	28.29	28.57	26.63	22.39	20.57	27.03	27.28	25.75	27.37	27.66	21.15	20.57	25.94	26.64	23.88	26.66	31.54	21.42	20.33	19.87	28.92	25.5	24.31	36.15	21.27
1	2014	May	Market Pri 9 AM Mkt	34.22	40.12	20.77	19.87	31.59	32.34	33.02	32.77	25.8	24.45	21.06	30.53	28.32	26.8	26.8	27.63	21.96	21.47	29.4	27.13	24.69	26.79	39.56	21.97	20.64	22.08	31.27	27.82	25.17	36.47	21.99
1	2014	May	Market Pri 10 AM Mkt	35.28	42.88	22.13	21.13	35.8	33.52	33.35	33.73	25.9	25.99	21.97	32.43	29.48	30.62	27.32	32.26	23.87	22.48	35.82	28.17	26.5	28.16	44.33	24.35	22.44	23.29	36.52	28.42	25.84	37.11	22.24
1	2014	May	Market Pri 11 AM Mkt	38.28	45.07	23.92	21.76	34.76	33.51	34.55	34.74	25.2	27.92	22.41	37.51	37.73	33.84	27.57	34.61	26.31	23.49	38.58	28.44	28.75	42.3	46.25	27.84	26.2	26.46	39.95	29.31	26.72	39.34	23.67
1	2014	May	Market Pri Noon Mkt	41.07	48.64	25.77	22.15	35.7	32.7	33.78	35.82	24.82	28.06	22.97	37.14	39.26	35.72	28.66	37.02	30.03	29.77	39.99	29.72	31.77	43.96	45.1	33.82	33.12	37.53	44.43	31.68	26.85	40.36	24.51
1	2014	May	Market Pri 1 PM Mkt	40.35	53.21	25.94	22.34	33.83	33.55	35.44	33.5	24.66	28.41	23.12	35.85	39.27	35.94	29.89	25.4	31.85	32.23	38.2	31.79	33.88	44.71	46.34	37.83	38.27	40.98	46.41	32.57	27.25	40.84	24.67
1	2014	May	Market Pri 2 PM Mkt	43.01	54.58	26.31	22.55	34.95	33.85	37.94	34.32	24.8	29.11	22.9	35.26	41.44	39.27	30.53	39.79	35.53	40.21	44.61	32.08	35.5	45.42	58.46	41.57	42.4	45.86	48.61	33.27	26.96	41.41	24.52
1	2014	May	Market Pri 3 PM Mkt	46.62	55.26	26.49	24.54	34.57	34.38	39.57	36.44	24.97	27.68	22.83	38.3	44.11	41.6	38.98	44.63	38.95	41.25	41.99	31.76	37.26	45.67	62	43.06	47.39	51.47	47.08	32.27	27.01	41.68	24.51
1	2014	May	Market Pri 4 PM Mkt	49.53	53.24	25.8	25.15	35.18	35.09	37.71	36.99	24.35	28.04	22.71	38.34	44.27	32.13	33.04	40.33	38.1	43.01	39.44	32.54	37.1	51.87	64.39	47.5	51.16	57.32	52.11	33.07	26.36	42.17	24.62
1	2014	May	Market Pri 5 PM Mkt	51.64	41.04	26.51	26.06	34.19	34.16	36.04	36.56	25.35	27.27	22.87	38.09	44.62	36.97	36.73	41.08	41.88	45.08	39.26	31.74	38.06	55.07	63.47	49.97	55.71	68.1	51.49	33.5	26.09	41.68	24.67
1	2014	May	Market Pri 6 PM Mkt	47.86	38.62	26.77	26.84	33.88	34.42	33.79	31.22	24.74	27.26	23.37	32.48	41.32	30.59	31.39	37.68	42.88	45.36	40.87	30.23	41.81	55.07	53.13	48.54	60.15	79.06	52.01	32.18	25.72	41.33	24.47
1	2014	May	Market Pri 7 PM Mkt	44.58	37.35	25.08	25.76	33.89	33.09	30.1	29.8	23.4	26.04	23.58	30.2	40.2	29.29	29.59	36.43	39.51	44.61	39.77	28.24	39.06	50.6	47.24	46.8	63.75	64.09	46.03	30.97	25.21	40.94	24.09
1	2014	May	Market Pri 8 PM Mkt	38.96	34.3	21.66	25.96	29.92	29.52	28.02	28.68	21.22	26.42	23.88	28.51	36.96	26.72	28.11	30.78	34.52	38.86	44.44	26.68	30.56	44.55	42.21	38.24	45.31	45.63	44.71	28.41	25.11	40.01	23.87
1	2014	May	Market Pri 9 PM Mkt	42.17	38.65	25.13	26.82	32.96	32.19	33.18	32.72	23.62	26.57	25.05	28.84	33.17	26.88	28.21	28.13	33.56	36.45	36.56	26.55	28.31	39.47	40.88	35.48	40.97	41.05	41.3	27.09	25.24	40.36	23.06
1	2014	May	Market Pri 10 PM Mkt	41.89	38.4	25.15	28.87	33.28	34.23	34.92	36.31	26.19	26.88	26.95	31.05	36.56	28.75	30.6	31.01	33.56	41.7	41.35	28.27	31.13	42.86	42.89	35.85	45.68	43.9	40.47	28.63	26.06	39.16	23.51
1	2014	May	Market Pri 11 PM Mkt	27.52	26.02	21.25	21.96	24.2	24.96	25.05	25.01	20.43	24.33	25.02	24.25	24.76	23.12	23.83	23.45	25.07	27.08	22.56	21.18	23.9	28.12	28.72	29.49	36.25	33.71	29.65	22.9	21.99	23.12	22.24
1	2014	May	Market Pri Midnight I	21.17	21.66	18.77	19.62	21.33	22.59	22.12	21.86	19.11	21.76	21.03	22.4	22.09	21.14	20.9	21.29	22.22	22.23	21.09	21.85	21.17	22.91	23.18	22.72	25.7	22.93	22.98	21.04	20.28	22.62	22.09
1	2014	June	Market Pri 1 AM Mkt	21.88	21.7	21.5	21.38	21.88	24.15	21.88	21.38	21.7	23.39	23.74	24.03	24.03	22.98	23.63	24.33	24.15	23.09	23.44	24.48	21.7	21.38	21.88	24.15	24.14	24.15	24.11	22.72	21.53	23.2	
1	2014	June	Market Pri 2 AM Mkt	21.53	21.38	21.18	21.35	21.7	24.11	21.53	20.75	21.38	21.88	21.88	23.24	22.99	21.74	22.78	23.6	24.38	21.7	23.53	23.44	21.53	21.25	21.53	24.11	24.11	24.11	23.25	21.7	21.33	21.53	
1	2014	June	Market Pri 3 AM Mkt	21.38	21.31	21.08	21.02	21.46	23.83	21.38	20.46	21.37	21.7	21.58	22.77	22.35	21.45	21.7	23.37	24.12	21.42	21.7	22.77	21.38	20.61	21.38	23.63	24.03	23.73	21.87	21.38	20.61	21.21	
1	2014	June	Market Pri 4 AM Mkt	21.31	21.31	20.79	20.84	21.38	21.74	21.08	20.13	21.38	21.53	21.42	21.88	21.7	21.38	21.7	23.05	21.88	21.38	21.53	22.64	21.31	20.6	21.38	23.66	23.39	23.39	21.7	21.33	20.49	21.21	
1	2014	June	Market Pri 5 AM Mkt	21.31	21.38	21.31	21.36	21.38	23.52	20.9	19.99	21.38	21.53	21.53	21.88	21.7	21.38	21.38	22.93	21.39	21.38	21.53	22.65	21.31	20.46	21.53	21.39	23.56	23.15	21.7	21.31	20.46	21.21	
1	2014	June	Market Pri 6 AM Mkt	21.29	21.7	21.52	21.38	21.7	24.11	21.15	19.99	21.6	21.86	21.88	22.79	21.88	21.38	21.38	23.25	24.11	21.7	21.88	23.05	21.38	20.46	21.88	23.58	23.41	23.67	22.5	21.38	20.46	21.71	
1	2014	June	Market Pri 7 AM Mkt	21.31	28.03	27.04	26.99	28.12	30.41	21.31	19.99	28.05	28.05	28.12	29.09	28.14	21.38	21.53	29.34	30.41	28.03	28.16	28.16	21.38	20.46	28.16	29.75	29.7	29.75	28.74	21.38	20.46	29.45	
1	2014	June	Market Pri 8 AM Mkt	21.38	29.14	28.16	28.12	29.97	32.12	21.38	20.46	29.08	29.08	29.75	30	29.98	21.88	21.7	30.99	31.19	29.2	29.75	29.75	21.53	21.13	29.75	30.99	31.19	30.95	30.22	21.53	20.61	30.73	
1	2014	June	Market Pri 9 AM Mkt	21.7	29.75	29.56	29.13	31.07	34.18	21.88	21.33	29.88	30.41	30.58	31.77	31.63	23.33	23.94	33.25	32.93	30.11	30.6	30.33	21.88	21.38	30.99	34.05	33.5	32.77	30.86	21.88	21.38	31.67	
1	2014	June	Market Pri 10 AM Mkt	23.39	30.2	29.75	29.75	31.77	36.64	24.03	21.56	30.94	31.68	32.26	33.33	33.35	24.37	24.11	34.98	32.96	31.77	32.29	30.99	24.03	21.63	32.93	36.71	36.05	34.5	31.19	24.11	21.7	33.07	
1	2014	June	Market Pri 11 AM Mkt	24.05	31.06	30.41	29.88	33.6	38.27	24.11	21.88	32.05	32.93	33.37	34.71	34.86	25.8	25.47	37.52	35.6	32.06	33.46	32.3	24.11	22.07	34.9	38.75	37.86	36.75	32.52	25.5	23.39	33.86	
1	2014	June	Market Pri Noon Mkt	24.15	31.77	30.91	30.41	35.65	39.15	24.15	24.03	32.79	34.71	34.39	36.02	35.82	26.02	26.16	38.38	37.2	32.9	35.34	32.93	24.15	23.39	36.35	41.87	39.45	38.07	32.93	25.5	24.11	35.22	
1	2014	June	Market Pri 1 PM Mkt	24.69	32.27	31.19	30.87	37.2	40.17	25.5	24.12	33.33	35.72	35.34	37.13	37.21	26.54	26.74	41.62	38.33	33.88	36.47	33.49	24.11	24.03	37.68	44.61	42.25	40.47	35.1	26.05	24.11	36.18	
1	2014	June	Market Pri 2 PM Mkt	25.02	32.93	31.19	31.19	38.38	40.53	25.5	25.5	34.86	36.97	36.73	38.22	38.08	26.72	27.55	43.71	38.91	34.33	37.53	34.11	24.13	25.41	40.03	49.54	46.74	41.7	35.67	26.07	24.15	37.43	
1	2014	June	Market Pri 3 PM Mkt	25.26	32.51	31.74	31.33	39.94	40.17	26.06	25.42	35.45	37.38	38.03	39.07	38.06	26.74	28.23	45.7	39.44	34.88	38.4	34.47	24.15	25.68	41.39	50.06	50.18	44.29	35.72	26.21	25.64	37.86	
1	2014	June	Market Pri 4 PM Mkt	24.81	32.68	31.15	31.77	40.53	39.37	26.07	26.07	36.81	37.69	38.66	39.41	38.13	27.24	28.58	47.97	38.39	35.68	39.23	34.39	25.5	25.68	42.79	54.1	50.61	43.09	35.79	26.42	25.82	38.61	
1	2014	June	Market Pri 5 PM Mkt	25.5	32.72	31.19	32.42	41.28	38.92	26.37	26.21	37.09	37.53	38.77	39.78	38.09	27.47	28.93	48.34	38.37	35.77	40.6	34.21	25.63	26.07	43.48	54.56	49.98	41.4	36.22	26.26	26.07	38.87	
1	2014	June	Market Pri 6 PM Mkt	25.25	32.51	31.19	32.08	40.72	37.99	26.57	26.07	36.77	37.38	38.31	38.94	38.12	27.57	28.82	46.73	38.2	36.78	39.5	33.73	25.23	26.07	42.55	51.67	47.65	39.37	35.81	26.26	26.07	39.1	
1	2014	June	Market Pri 7 PM Mkt	24.81	31.3	31.19	31.4	40.51	36.73	26.07	26.07	36.44	36.2	38.01	38.16	37.1	27.15	28.83	43.86	37.54	35.6	38.38	33.4	24.58	26.07	42	45.74	42.99	37.53	33.1	26.07	25.59	37.62	
1	2014	June	Market Pri 8 PM Mkt	24.84	30.99	31.07	30.89	38.27	35.68	26.16	26.07	35.2	34.72	36.94	36.1	35.53	26.57	28.23	40.89	36.31	35.15	36.73	31.77	24.15	26.07	39.9	41.9	40.06	36.03	32.28	26.07	24.15	36.25	
1	2014	June	Market Pri 9 PM Mkt	24.74	31.55	30.41	30.97	37.94	32.93	26.07	26.07	34.33	34.88	35.76	35.58	34.4	26.74	27.58	38.81	32.93	33.48	35.53	31.19	25.3	25.82	38.41	39.78	38.06	34.26	31.55	25.98	24.15	35.31	
1	2014	June	Market Pri 10 PM Mkt	25.24	30.41	30.41	30.89	37.71	32.93	26.06	24.72	33.96	33.88	34.69	35.18	33.39	26.66	27.68	38.74	32.93	33.19	35.15	30.66	24.86	26.12	37.92	39.23	37.21	33.58	31.5	25.83	25.83	34.4	
1	2014	June	Market Pri 11 PM Mkt	24.11	24.15	24.15	25.58	27.65	25.5	24.14	24.11	26.07	26.07	26.07	26.57	26.42	25.82	27.14	27.58	26.54	26.07	26.74	25.61	24.03	25.5	27.24	28.23	27.24	26.74	25.97	24.11	24.11	25.85	
1	2014	June	Market Pri Midnight I	23.39	21.88	21.88	24.03	26.53	24.14	21.88	23.05	24.15	24.11	24.36	25.5	24.38	24.34	25.97	26.41	24.15	24.15	25.5	24.11	23.99	24.03	26.07	26.55	25.64	24.11	24.11	22.93	22.06	24.9	
1	2014	July	Market Pri 1 AM Mkt	24.22	24.32	24.3	26.21	25.52	26.24	27.12	24.34	27.12	24.34	25.62	25.15	25.47	25.82	24.62	25.8	27.14	24.3	24.22	22.07	24.3	24.3	25.16	26.07	26.28	25.79	25.37	24.3	24.3	25.16	26.88
1	2014	July	Market Pri 2 AM Mkt	22.07	24.19	23.58	24.3	24.31	24.71	26.71	24.3	26.71	24.3	24.3	24.22	24.3	24.3	24.34	24.32	26.28	24.3	23.91	21.56	22.07	24.22	24.3	24.31	25.89	24.3	24.3	22.07	24.22	24.3	24.78
1	2014	July	Market Pri 3 AM Mkt	21.73	22.06	21.89	23.99	22.07	23.88	26.21	22.07	26.21	22.07	23.96	22.07	23.58	23.58	24.39	24.2	24.6	23.58	21.56	21.49	21.89	22.07	23.1	24.29	24.34	24.3	24.3	21.89	22.07	23.1	24.86
1	2014	July	Market Pri 4 AM Mkt	21.58	21.71	21.71	23.84	22.07	23.11	25.03	21.89	25.03	21.89	23.58	21.89	23.58	22.86	24.3	24.3	25.45	22.07	21.56	20.78	21.78	21.99	23.83	23.99	24.27	24.22	23.58	21.78	21.99	23.83	24.27
1	2014	July	Market Pri 5 AM Mkt	21.71	21.56	21.89	23.58	21.89	23.46	25.1	22.07	25.1	22.07	23.58	21.77	22.07	23.58	24.3	24.3	25.97	22.07	21.56	20.62	21.89	22.07	24.06	23.58	24.3	24.15	22.07	21.89	22.07	24.06	24.78
1	2014	July	Market Pri 6 AM Mkt	21.9	21.56	21.4	23.72	21.89	23.12	26.21	24.26	26.21	24.26	24.24	21.89	22.06	24.3	24.78	24.22	26.28	24.29	21.56	20.62	22.02	23.6	24.3	24.3	24.32	24.22	22.07	22.02	23.6	24.3	24.86
1	2014	July	Market Pri 7 AM Mkt	32.8	29.49	24.91	33.52	21.93	22.97	38.42	34.3	38.42	34.3	35.41	21.89	22.07	35.41	36.31	37.11	38.82	34.64	21.71	20.24	34.46	34.59	35.41	36.09	36.83	24.22	22.07	34.46	34.59	35.41	30.65
1	2014	July	Market Pri 8 AM Mkt	34.59	30.82	26.31	35.58	22.07	24.21	41.04	35.41	41.04	35.41	36.09	24.04	21.57	36.73	38.34	39.52	41.33	35.38	21.89	20.78	35.41	36.31	37.19	38.34	38.86	24.34	21.58	35.41	36.31	37.19	32.89
1	2014	July	Market Pri 9 AM Mkt	36.31	33.03	27.42	37.63	24.65	24.87	42.74	37.98	42.74	37.98	37.56	24.34	24.3	39.1	40.82	41.82	44.21	37.56	24.3	21.77	38.03	38.12	39.25	41	41.93	25.13	24.32	38.03	38.12	39.25	35.39
1	2014	July	Market Pri 10 AM Mkt	37.61	35.39	28.77	41.26	26.45	26.82	42.76	41.1	42.76	41.1	38.82	26	25.31	42.45	44.22	44.28	45.96	38.54	24.34	24.22	39.75	40.57	41.76	43.53	44.38	26.62	26.18	39.75	40.57	41.76	38.28
1	2014	July	Market Pri 11 AM Mkt	39.36	35.9	30.26	44.05	27.92	28.31	45.78	43.18	45.78	43.18	40.99	25.93	26.5	45.96	45.93	46.65	47.6	42.31	24.34	24.3	42.6	43.09	44.57	46.22	45.58	27.33	26.78	42.6	43.09	44.57	41.39
1	2014	July	Market Pri Noon Mkt	40.82	36.8	31.16	46.42	28.96	30.08	48.56	44.88	48.56	44.88	42.94	27.33	27.5	48.66	47.63	50.37	50.22	42.67	26.78	24.98	44.3	44.81	45.81	48.09	47.79	27.87	27.87	44.3	44.81	45.81	47.47
1	2014	July	Market Pri 1 PM Mkt	42.53	37.56	32.29	47.93	30.09	31.45	50.41	46.56	50.41	46.56	42.83	27.54	28.3	50.2	49.28	52.93	53.87	43.87	27.02	26.28	46.22	45.95	46.93	49.66	50.07	28.64	28.82	46.22	45.95	46.93	55.37
1	2014	July	Market Pri 2 PM Mkt	43.65	39.51	32.55	49.68	30.91	31.79	51.98	47.21	51.98	47.21	44.8	28.1	28.67	55.13	53.18	58.18	60.17	44.23	26.91	26.94	47.49	47.02	49.15	55.28	53.49	29.49	29.38	47.49	47.02	49.15	62.48
1	2014	July	Market Pri 3 PM Mkt	45.69	40.41	32.73	51.31	31.37	32.21	52.58	48.45	52.58	48.45	44.32	28.34	29.09	57.73	55.86	62.89	62.62	45.31	27.15	27.15	48.47	48.26	49.98	59.02	55.39	29.75	29.5	48.47	48.26	49.98	65.66
1	2014	July	Market Pri 4 PM Mkt	45.73	41.4	33	52.12	31.59	32.84	52.94	49.41	52.94	49.41	45.53	28.43	29.17	60.52	58.38	65.52	59.92	46.28	27.26	27.13	49.3	48.26	52.29	59.28	56.72	30.02	30.08	49.3	48.26	52.29	68.2
1	2014	July	Market Pri 5 PM Mkt	46.17	41.49	33.11	53.42	31.74	33.3	53.71	49.13	53.71	49.13	44.98	28.81	29.26	61.89	56.12	68.96	59.26	46.1	27.6	27.87	48.97	48.44	53.02	60.51	56.56	30.59	30	48.97	48.44	53.02	68.64
1	2014	July	Market Pri 6 PM Mkt	46.35	41.73	32.54	52.74	31.76	33.45	53.5	48.38	53.5	48.38	44.82	29.49	29.57	59.61	54.34	68.51	56.79	45.02	27.6	27.87	48.83	47.42	52.54	58.14	54.7	30.56	30.51	48.83	47.42	52.54	67.99
1	2014	July	Market Pri 7 PM Mkt	44.94	38.38	32.55	49.27	31.79	33.27	49.36	47.64	49.36	47.64	41.7	29.17	29.5	54.99	51.25	62.43	53.51	42.97	27.55	27.87	47.51	47.02	50.2	54.36	50.15	30	30.61	47.51	47.02	50.2	62.67
1	2014	July	Market Pri 8 PM Mkt	42.51	39.04	32.05	47.97	31.55	32.85	46.84	45.45	46.84	45.45	41.9	28.4	28.67	50.92	48.7	58.68	48.19	42.53	27.44	27.13	45.66	45.71	49.17	50.22	47.33	29.17	29.55	45.66	45.73	49.17	54.1
1	2014	July	Market Pri 9 PM Mkt	41.13	38.82	31.48	46.62	30.99	32.22	45.38	42.67	45.38	42.67	40.97	27.95	28.48	44.91	47.56	55.84	46.32	39.61	27.18	27.24	44.4	44.7	49.33	49.25	46.32	28.81	29.57	44.4	44.7	49.13	49.75
1	2014	July	Market Pri 10 PM Mkt	40.28	38.09	31.16	45.47	30.56	31.79	42.76	42.88	42.76	42.88	39.96	27.87	28.27	47.3	46.82	53.01	45.3	39.61	26.94	27.27	42.94	44.07	48.21	48.37	46.02	28.13	29.17	42.94	44.07	48.21	44.83
1	2014	July	Market Pri 11 PM Mkt	26.63	26.23	28.93	28.61	29.07	31.28	28.1	27.45	28.1	27.45	26.94	27.25	27.87	29.17	29.17	30.9	28.43	26.84	26.02	26.28	27.11	27.61	28.91	29.44	28.55	27.87	28.44	27.11	27.61	28.91	30.37
1	2014	July	Market Pri Midnight I	25.31	24.84	26.85	26.95	26.99	28.61	26.28	25.6	26.28	25.6	24.96	26.28	26.21	27.15	27.1	28.47	27.1	24.32	24.3	24.8	25.27	26.28	27.1	27.33	27.15	26.28	26.82	25.27	26.28	27.1	28.47
1	2014	August	Market Pri 1 AM Mkt	26	24.02	24	21.6	23.99	25.94	26.96	26.96	24.13	23.91	25.47	23.99	24.83	25.94	23.99	21.77	21.6	24.01	23.99	25.22	26.22	26.36	24.1	23.27	21.6	23.99	25.94	23.99	23.38	21.27	21.73
1	2014	August	Market Pri 2 AM Mkt	25.32	24.02	23.48	21.27	23.89	23.99	26.21	26.21	23.99	23.91	24.08	21.77	23.89	24.02	24	21.42	21.19	23.91	23.99	23.99	25.38	25.48	23.99	21.6	21.27	23.89	23.99	24.02	21.6	20.5	21.73
1	2014	August	Market Pri 3 AM Mkt	24	23.42	21.74	21.27	21.73	23.73	24.07	24.07	23.42	21.77	23.99	21.6	22.08	24.02	23.91	21.26	20.44	23.28	23.42	23.99	24.02	24.2	24.01	21.27	21.27	21.73	23.73	23.99	21.27	20.36	21.49
1	2014	August	Market Pri 4 AM Mkt	23.99	21.77	21.6	21.27	21.6	23.42	24.02	24.02	21.77	21.49	23.91	21.42	23.27	23.99	23.28	21.19	20.36	21.77	23.27	23.99	24.31	24.02	23.99	21.25	21.27	21.6	23.42	23.87	21.27	20.01	21.27
1	2014	August	Market Pri 5 AM Mkt	23.98	21.74	21.56	21.27	21.6	23.41	24.02	24.02	21.77	21.29	23.91	21.54	23.27	23.99	23.91	20.5	20.36	23.28	23.09	23.99	24.43	23.99	23.63	20.86	21.27	21.6	23.41	23.95	21.27	20.01	20.89
1	2014	August	Market Pri 6 AM Mkt	23.99	21.6	21.5	21.6	23.91	23.99	24.02	24.02	21.65	21.27	24.02	23.27	23.97	24.44	23.99	21.11	20.47	23.91	23.99	24.02	24.42	24.56	23.91	20.5	21.6	23.91	23.99	24.02	21.6	20.01	20.89
1	2014	August	Market Pri 7 AM Mkt	30.58	21.77	21.6	29.39	30.01	31.22	32.5	32.5	21.77	21.3	30.59	30.07	30.59	31.19	30.58	21.19	20.5	30.58	31.09	31.17	32.64	32.19	23.99	21.19	29.39	30.01	31.22	31.17	28.33	20.19	21.25
1	2014	August	Market Pri 8 AM Mkt	32.64	23.27	21.72	29.97	31.8	32.5	33.53	33.53	21.42	21.42	31.8	30.58	31.81	32.82	31.75	21.26	20.5	31.37	31.5	32.64	33.72	33.53	23.99	21.26	29.97	31.8	32.5	32.51	29.94	20.5	21.62
1	2014	August	Market Pri 9 AM Mkt	35.25	23.99	23.91	31.37	32.8	33.99	35.68	35.68	23.91	23.91	34.17	32	33.12	34.63	32.64	21.43	21.27	32.19	32.28	33.95	35.58	37.01	23.99	21.6	31.37	32.8	33.99	33.45	30.12	21.27	21.8
1	2014	August	Market Pri 10 AM Mkt	37.92	24.02	23.99	33.4	35.29	37.03	39.92	39.92	25.94	25.21	36.89	33.13	35.86	37.27	34.24	21.77	21.77	33.66	34.08	37.08	38.35	39.35	25.92	23.91	33.4	35.29	37.03	33.27	31.31	21.6	22.25
1	2014	August	Market Pri 11 AM Mkt	41.17	26.58	26.4	35.52	38.51	40.4	42.98	42.98	27.01	26.43	40.06	35.53	38.51	41.51	37.11	23.91	23.95	37.17	36.38	39.17	40.62	42.21	27.14	23.99	35.52	38.51	40.4	34.25	32.7	21.79	23.28
1	2014	August	Market Pri Noon Mkt	44.16	27.67	26.94	36.88	41.39	42.87	45.09	45.09	28.08	27.37	42.44	37.81	42.03	44.09	39.42	23.91	24.29	38.46	37.61	42.56	43.36	45.45	28.21	24.01	36.88	41.39	42.87	37.15	33.64	23.91	23.45
1	2014	August	Market Pri 1 PM Mkt	50.07	28.75	27.67	40.04	43.43	46.65	50.55	50.55	29.3	28.61	45.26	39.17	44.17	48.22	41.17	24.02	26.6	39.01	39.55	44.38	46.56	49.44	28.29	27.06	40.04	41.43	46.65	39.66	34.38	24.01	23.98
1	2014	August	Market Pri 2 PM Mkt	56.61	29.3	28.08	41.88	47.03	51.54	56.44	56.46	29.69	30.14	49.07	41.74	47.99	53.55	43.56	24.83	26.81	40.06	41.42	47.31	51.7	52.33	28.29	26.6	41.88	47.03	51.54	40.89	34.7	23.99	24.05
1	2014	August	Market Pri 3 PM Mkt	60	30.64	28.79	43.11	49.88	53.92	62.27	62.27	30.5	30.98	55.42	44.47	52.45	58.91	45.18	26.16	27.14	40.84	43.13	50.51	54.25	54.01	28.79	27.13	43.11	49.88	53.92	40.03	35.9	25.94	24.05
1	2014	August	Market Pri 4 PM Mkt	61.56	30.77	29.3	45.23	51.9	55.27	66.78	66.78	31.06	31.43	57.81	46.9	57.81	62.92	46.46	26.43	27.2	40.6	44.09	56.08	56.66	54.58	29.12	27.67	45.23	51.9	55.27	40.23	36.8	26.43	24.29
1	2014	August	Market Pri 5 PM Mkt	62.42	30.12	29.76	47.1	52.15	57.8	66.06	66.06	31.44	31.55	59.61	48.03	59.59	62.25	46.45	26.67	27.67	40.8	43.85	58.67	58.93	54.41	29.3	27.67	47.1	52.15	57.8	40.72	35.91	26.43	24.43
1	2014	August	Market Pri 6 PM Mkt	57.02	30.67	29.7	46.68	50.8	54.57	59.4	59.4	31.37	32.53	57.1	46.21	58.2	58.92	44.89	26.81	27.67	39.94	42.74	57.76	57.65	52.3	28.99	27.96	46.68	50.8	54.57	40.12	35.07	26.43	24.58
1	2014	August	Market Pri 7 PM Mkt	51.4	28.81	29.4	44.81	48.93	49.68	52.4	52.4	31.14	31.48	50.09	43.83	53.27	49.95	42.05	26.6	27.67	39.33	40.7	51.62	49.75	48.62	28.29	27.73	44.81	48.93	49.69	38.23	34.24	26.43	24.53
1	2014	August	Market Pri 8 PM Mkt	47.19	28.29	29.19	41.95	46.71	47.25	46.49	46.49	30.33	31.18	45.1	42.63	48.6	45.18	39.55	25.94	27.36	38.57	40.11	46.5	47.74	46.74	28.08	27.3	41.95	46.71	47.25	36.95	32.92	25.38	24.05
1	2014	August	Market Pri 9 PM Mkt	43.3	28.21	29.07	42.64	45.91	45.9	44.23	44.23	29.87	31.02	41.54	41.88	45.56	41.88	37.11	25.94	27.3	38.49	39.88	45.84	46.47	44.91	27.73	27.14	42.64	45.91	45.9	36.99	32.49	25.75	23.98
1	2014	August	Market Pri 10 PM Mkt	41.03	27.68	28.67	39.48	41.82	42.19	41.88	41.88	29.08	30.26	42.35	39.81	43.76	41.62	36.13	25.94	26.96	36.34	38.41	42.68	43.99	43.5	27.14	26.6	39.48	41.82	42.19	34.76	31.55	23.99	23.9
1	2014	August	Market Pri 11 PM Mkt	28.21	26.6	27.03	27.14	28.08	28.29	28.68	28.68	27.31	28.08	27.73	27.31	29.05	28.2	26.43	23.79	26.41	27.06	27.34	28.82	29.25	28.29	26.32	24.01	27.14	28.08	28.29	24.59	23.99	23.34	23.45
1	2014	August	Market Pri Midnight I	26.6	25.38	25.94	25.38	26.43	26.43	27.04	27.04	25.97	26.28	26.18	25.94	27.05	27.14	24	21.77	25.38	25.94	26.47	26.96	26.96	26.96	24.02	23.91	25.38	26.41	26.41	24.02	21.77	21.6	22.54
1	2014	September	Market Pri 1 AM Mkt	22.7	22.82	24.32	24.53	24.51	24.64	23.7	23.58	23.91	22.4	22.4	22.79	22.4	21.89	22.29	22.4	22.49	22.74	23.05	23.01	22.57	23.17	24.17	23.95	23.14	22.4	22.4	22.22	22.4	24.64	
1	2014	September	Market Pri 2 AM Mkt	22.4	22.61	23.75	24.17	24.17	24.1	22.56	22.6	23.29	22.39	22.35	22.4	22.3	21.68	21.95	22.4	22.4	22.4	22.74	22.73	22.4	22.8	23.39	22.76	22.48	22.4	22.29	21.67	22.34	24.32	
1	2014	September	Market Pri 3 AM Mkt	22.34	22.4	22.9	23.66	23.92	23.66	22.79	22.75	22.91	22.29	22.1	22.39	22.04	21.37	21.67	21.94	22.4	22.4	22.4	22.4	22.4	22.8	22.64	22.56	22.4	22.4	22.17	21.4	22.1	24.32	
1	2014	September	Market Pri 4 AM Mkt	22.29	22.4	22.49	23.15	23.77	23.22	22.59	22.4	22.62	22.36	22.3	22.33	21.88	20.61	21.88	21.95	22.4	22.4	22.42	22.4	22.2	22.4	22.63	22.78	22.4	22.37	21.67	21.14	22.01	24.25	
1	2014	September	Market Pri 5 AM Mkt	21.88	22.4	22.67	22.98	23.66	22.73	22.4	22.62	22.8	22.29	22.35	22.36	21.83	20.9	22.07	21.86	22.4	22.4	22.4	22.31	21.88	22.4	22.58	22.8	22.4	22.35	21.66	20.99	22.35	24.12	
1	2014	September	Market Pri 6 AM Mkt	21.77	22.59	24.11	24.15	24.57	22.76	22.59	22.56	23.19	22.4	22.4	22.58	21.96	21.03	22.4	22.4	22.4	22.4	22.6	22.4	21.88	22.66	23.21	22.83	22.97	22.4	22.06	21.4	22.4	24.67	
1	2014	September	Market Pri 7 AM Mkt	22.29	32.54	33.21	31.68	34.08	23.19	22.64	33.19	33.14	32.07	31.92	32.48	22.08	21.41	31.87	31.87	32.48	32.54	32.68	22.4	22.29	32.68	33.21	33.21	32.79	31.87	22.29	21.67	31.87	32	
1	2014	September	Market Pri 8 AM Mkt	22.36	33.14	34.08	34.4	34.46	24.08	22.67	33.18	33.21	32.49	32.48	32.68	22.31	21.88	32.48	32.54	33.11	33.18	33.21	22.4	22.35	32.68	33.77	34.08	33.21	32.48	22.29	22.09	32.68	32.42	
1	2014	September	Market Pri 9 AM Mkt	22.4	33.19	34.08	34.35	34.77	24.17	22.76	33.41	33.65	32.62	32.54	33.19	22.4	22.29	32.51	32.54	33.18	33.21	33.21	22.65	22.4	33.21	34.08	34.08	33.21	32.48	22.4	22.09	32.68	32.65	
1	2014	September	Market Pri 10 AM Mkt	23.02	34.08	34.77	35.19	35.38	24.64	23.77	34.26	33.92	33.22	33.18	33.21	22.59	22.35	32.54	32.94	33.41	33.75	33.93	23.91	23.04	34.07	34.35	34.51	33.77	33.04	22.4	22.4	33.12	32.43	
1	2014	September	Market Pri 11 AM Mkt	24.17	34.77	36.28	36.55	37.51	24.95	24.64	34.51	34.08	33.21	33.68	33.68	23.37	22.4	32.64	33.22	34.48	34.35	34.16	24.47	24.06	34.51	34.77	34.68	34.08	33.68	22.44	22.4	33.24	32.85	
1	2014	September	Market Pri Noon Mkt	24.79	35.98	37.7	36.84	38.47	25.34	24.69	34.77	34.08	33.68	33.77	34.08	23.66	22.4	33.21	33.41	34.68	34.51	34.67	25.05	24.55	34.75	35.38	34.77	34.51	34.07	23.59	22.4	33.21	32.81	
1	2014	September	Market Pri 1 PM Mkt	25.19	37.77	38	38.25	38.93	25.77	25.06	34.97	34.08	34.08	33.65	34.08	24.1	22.4	33.19	34.08	34.85	34.77	34.85	25.29	25.05	35.18	37.7	35.75	34.08	33.66	23.32	23.26	33.68	32.75	
1	2014	September	Market Pri 2 PM Mkt	25.34	38.81	40.08	39.42	39.47	25.86	25.26	36.98	34.51	34.08	34.08	34.16	24.07	22.64	33.22	34.35	35.21	35.38	35.73	25.15	25.19	37.28	38.94	35.74	34.34	34.07	23.79	23.7	34.08	32.79	
1	2014	September	Market Pri 3 PM Mkt	25.16	40.19	40.79	40.21	39.73	25.86	25.14	38.47	34.57	34.08	34.35	34.35	23.76	22.82	33.21	34.51	35.4	35.76	37	25.34	25.34	38.47	39.46	35.92	34.35	34.08	23.92	24.08	34.07	32.9	
1	2014	September	Market Pri 4 PM Mkt	25.78	40.41	42.06	40.27	40.19	26.18	25.34	38.46	34.77	34.13	34.51	34.35	24.03	23.13	33.57	34.77	35.85	37.12	37.28	25.34	25.18	38.96	40.1	35.85	34.29	34.08	24.17	23.74	34.07	32.93	
1	2014	September	Market Pri 5 PM Mkt	25.34	40.65	42.31	40.02	39.73	26.18	25.55	38.75	34.77	34.08	34.68	34.17	24.07	23.22	33.25	34.77	36.3	36.74	37.66	25.34	25.21	39.07	38.98	35.52	34.08	34.08	24.17	24.17	34.08	32.93	
1	2014	September	Market Pri 6 PM Mkt	25.86	40.12	42.08	40.11	39.4	26.18	25.81	38.47	34.77	34.08	34.73	34.08	23.46	23.16	33.41	34.96	35.85	36.28	37.49	25.26	25.34	39.27	38.81	35.38	34.15	33.68	24.17	24.17	34.08	33.43	
1	2014	September	Market Pri 7 PM Mkt	25.86	40.04	40.57	39.27	39.02	25.86	25.19	37.28	34.08	34.08	34.51	33.68	23.66	23.66	33.41	34.76	35.38	35.38	36.26	25.25	25.19	38.8	36.65	34.94	34.08	33.21	23.92	24.17	34.08	33.2	
1	2014	September	Market Pri 8 PM Mkt	25.31	38.64	40.08	38.92	38.14	25.58	25.34	35.86	33.84	33.8	34.41	33.65	23.66	23.74	33.77	34.92	35.38	35.83	35.38	25.32	25.14	38.77	38.76	34.75	34.35	33.25	24.07	24.47	34.13	32.93	
1	2014	September	Market Pri 9 PM Mkt	25.67	38.47	39.7	39.04	38.47	25.61	25.19	37.77	34.08	34.08	34.51	33.67	23.96	23.74	34.08	34.77	35.22	35.38	34.92	25.15	25.34	38.28	37.98	34.77	34.13	33.21	24.11	24.64	34.14	33.43	
1	2014	September	Market Pri 10 PM Mkt	25.25	37.28	38.21	38.19	37.33	25.3	25.34	35.38	33.77	33.68	34.08	33.41	23.59	22.76	33.21	34.08	34.75	34.77	34.51	25.05	25.05	35.38	35.85	34.15	33.32	32.68	23.66	24.11	33.68	32.77	
1	2014	September	Market Pri 11 PM Mkt	24.78	25.55	25.86	25.28	25.34	24.95	24.68	25.24	24.64	24.34	24.21	23.66	22.38	22.4	23.93	24.64	24.77	24.64	24.65	24.53	24.64	25.04	25.12	24.79	24.17	23.59	22.4	23.66	24.17	26.76	
1	2014	September	Market Pri Midnight I	24.17	24.64	24.79	24.79	24.79	24.32	24.49	24.64	23.93	23.05	22.93	22.4	22.07	22.4	22.98	23.4	24.17	24.17	24.17	23.66	24.06	24.79	24.64	23.99	22.49	22.72	22.4	22.4	22.73	25.94	
1	2014	October	Market Pri 1 AM Mkt	24.4	24.07	25.71	26.03	25.22	25.75	25.75	23.92	23.87	23.87	23.92	23.68	23.92	23.92	24.24	24.4	24.23	23.92	23.68	23.92	23.92	23.92	23.92	23.92	23.92	23.92	23.94	24.4	24.24	23.92	24.59
1	2014	October	Market Pri 2 AM Mkt	24.32	24.17	24.9	24.83	24.45	24.82	24.97	23.92	23.92	23.92	23.92	23.07	23.68	23.92	23.91	24.23	24.19	23.84	23.59	23.68	23.92	23.92	23.92	23.92	23.82	23.68	23.92	23.92	23.92	23.92	24.43
1	2014	October	Market Pri 3 AM Mkt	23.92	23.82	24.18	24.44	24.19	24.4	24.4	23.92	23.72	23.78	23.68	22.82	23.68	23.78	23.92	23.98	23.92	23.68	22.82	23.68	23.92	23.92	23.92	23.92	23.68	23.54	23.92	23.92	23.92	23.82	24.43
1	2014	October	Market Pri 4 AM Mkt	23.92	23.92	24.26	24.2	23.92	24.45	24.4	23.92	23.82	23.68	23.68	22.39	23.66	23.92	23.88	24.18	23.92	23.68	22.18	23.68	23.92	23.82	23.92	23.77	23.68	23.53	24.2	23.92	23.92	23.92	24.43
1	2014	October	Market Pri 5 AM Mkt	23.92	23.92	24.28	24.22	23.92	24.51	24.2	23.92	23.92	23.76	23.68	22.02	23.68	23.92	23.92	23.92	23.81	23.68	22.11	23.76	23.92	23.92	23.92	23.92	23.68	23.02	24.47	24.46	24.35	23.82	24.95
1	2014	October	Market Pri 6 AM Mkt	24.51	24.21	24.82	24.31	23.85	24.98	25.45	23.92	23.92	23.92	23.92	23.16	23.97	24.08	23.92	24.38	24.21	23.68	22.64	23.8	23.92	24.31	24.4	23.92	23.92	23.5	25.74	25.51	25.19	24.3	25.45
1	2014	October	Market Pri 7 AM Mkt	31.9	32.1	32.35	24.44	23.82	32.74	32.42	31.44	31.5	31.47	23.84	23.68	31.47	31.5	31.5	32.1	31.5	23.92	23.68	31.5	31.5	31.5	32.31	31.5	23.82	23.92	32.71	32.85	32.63	32.11	32.75
1	2014	October	Market Pri 8 AM Mkt	32.79	32.73	32.7	24.61	24.14	32.85	32.85	32.1	32.26	32.01	24.15	23.68	32.55	32.11	32.11	32.73	32.11	23.92	23.68	32.71	32.34	32.41	32.67	32.07	23.92	23.92	33.35	32.7	32.79	32.41	33.58
1	2014	October	Market Pri 9 AM Mkt	32.68	32.79	32.85	25.53	24.47	32.85	32.85	32.29	32.4	31.94	24.6	23.92	32.41	32.36	32.35	32.62	32.12	23.92	23.92	32.57	32.55	32.36	32.69	32.1	24.25	24.28	33.35	32.79	32.85	32.59	33.31
1	2014	October	Market Pri 10 AM Mkt	32.76	32.85	32.85	26.26	25.56	33.08	32.79	32.67	32.48	32.57	24.64	23.92	32.7	32.36	32.57	32.85	32.36	24.3	23.92	32.35	32.51	32.44	32.68	32.41	25.21	24.36	32.85	32.77	32.55	32.56	32.84
1	2014	October	Market Pri 11 AM Mkt	32.85	32.85	32.89	26.51	26.38	33.6	32.78	32.1	32.62	32.53	25.06	23.92	32.35	32.62	32.65	32.79	32.32	24.52	23.92	32.85	32.36	32.51	32.85	32.36	25.59	24.01	32.85	32.85	32.41	32.76	33.18
1	2014	October	Market Pri Noon Mkt	32.89	33.48	32.85	26.94	26.92	33.68	32.85	32.63	32.79	32.07	24.5	23.92	32.36	32.68	32.46	32.85	32.35	25.08	23.92	32.76	32.57	32.11	32.71	32.36	25.75	24.4	32.7	32.42	32.34	32.73	32.75
1	2014	October	Market Pri 1 PM Mkt	32.88	33.6	33.21	27.04	26.88	35.12	32.89	32.55	32.63	32.03	24.07	23.92	32.48	32.76	32.37	32.79	32.25	25.1	23.98	32.85	32.44	32.47	32.46	32.32	25.41	23.99	32.85	32.33	32.4	32.34	32.42
1	2014	October	Market Pri 2 PM Mkt	32.76	33.68	33.6	27.1	26.89	36.17	33.08	32.62	32.37	32.03	24.33	24.22	32.7	32.64	32.44	33.12	32.65	24.52	24.38	32.76	32.57	32.42	32.55	32.32	24.07	24.33	32.79	32.42	32.1	32.62	32.16
1	2014	October	Market Pri 3 PM Mkt	32.85	33.68	33.68	27.48	27.33	36.28	33.08	32.37	32.56	31.61	23.92	24.07	32.7	32.51	32.85	32.76	32.1	24.31	24.4	32.68	32.36	32.39	32.56	32.06	24.64	23.92	32.23	32.39	32.03	32.36	31.92
1	2014	October	Market Pri 4 PM Mkt	33.2	33.68	33.68	27.52	27.48	37.06	33.17	32.21	32.1	31.5	23.92	24.04	32.7	32.59	32.79	32.8	32.24	24.76	24.64	33.47	32.13	32.4	32.26	32.03	24.48	23.82	32.22	31.77	32.1	32.58	31.22
1	2014	October	Market Pri 5 PM Mkt	33.2	34.12	34.17	27.48	27.48	37.07	32.85	32.39	32.03	31.5	24.18	24.44	32.85	32.37	32.7	32.78	32.07	24.66	24.47	32.68	32.11	32.39	32.36	31.78	24.45	23.92	32.63	32.03	32.1	32.34	31.55
1	2014	October	Market Pri 6 PM Mkt	33.08	33.8	34.04	27.48	27.48	36.68	32.85	32.3	32.54	31.5	24.32	24.78	32.85	32.73	32.54	32.79	31.96	24.51	25.12	32.73	32.41	32.59	32.59	32.15	24.99	24.19	32.73	32.5	32.1	32.56	31.22
1	2014	October	Market Pri 7 PM Mkt	33.2	33.68	33.6	27.48	27.48	35.32	32.85	32.29	32.59	31.5	24.44	25.71	32.69	32.7	32.85	32.85	32.1	24.96	25.35	32.77	32.85	32.85	32.78	32.03	25.61	25.01	32.7	32.85	32.1	32.77	31.35
1	2014	October	Market Pri 8 PM Mkt	32.89	33.68	33.6	27.48	27.48	35.83	32.85	32.68	32.79	31.78	24.81	25.75	32.86	32.89	32.85	33.2	32.1	25.07	25.75	32.79	32.55	32.85	32.85	32.11	25.75	25.91	32.85	32.68	32.61	32.67	32.44

1	2014 October	Market Prs 9 PM Mkt	33.32	33.68	33.6	27.15	27.48	35.18	32.8	32.32	32.7	32.02	24.65	25.75	32.84	32.64	32.85	32.8	31.99	24.96	25.75	32.8	32.64	32.78	32.44	32.06	25.45	26.09	32.68	32.71	32.57	32.76	31.92
1	2014 October	Market Prs 10 PM Mkt	32.85	31.44	33.44	26.85	26.91	33.68	32.75	32.57	32.3	31.5	24.41	25.34	32.7	32.41	32.85	32.78	31.79	24.77	25.48	32.47	32.19	32.79	32.64	31.5	24.36	25.75	32.69	32.39	32.11	32.42	31.81
1	2014 October	Market Prs 11 PM Mkt	26.49	26.91	26.57	26.54	26.89	26.51	25.84	25.75	25.34	24.96	23.92	24.41	25.58	25.4	25.75	26.28	25.21	23.92	24.35	25.54	25.52	25.75	25.44	25.15	24.31	24.96	25.75	25.75	25.75	25.75	25.89
1	2014 October	Market Prs Midnight k	25.45	26.28	26.28	26.33	26.35	26.35	24.86	24.36	24.46	23.92	23.92	23.92	24.32	24.33	24.96	25.21	24.32	23.92	23.92	24.09	24.39	24.07	24.37	23.92	23.92	24.01	25.19	24.84	24.01	24.07	25.45
1	2014 November	Market Prs 1 AM Mkt	25.34	24.97	24.97	25.45	26.01	26.87	25.53	25.11	24.97	25.13	25.06	24.97	25.49	26.39	26.28	24.97	24.97	24.97	24.97	24.97	24.97	26.39	25.4	25.62	26.17	26.72	26.01	27.5	27.43	25.43	
1	2014 November	Market Prs 2 AM Mkt	24.97	24.97	24.88	24.97	25.86	26.3	25.4	24.97	24.97	24.97	24.97	25.04	25.27	26	26.19	24.97	24.97	24.97	24.97	24.97	24.97	26.28	25.45	25.44	26.17	26.37	26.01	26.67	26.33	23.92	
1	2014 November	Market Prs 3 AM Mkt	24.97	24.97	24.97	25.15	25.27	26.01	24.97	25.05	24.97	24.97	24.97	24.97	25.19	26.01	26.01	24.97	24.97	24.97	24.72	24.97	24.97	25.47	25.53	25.02	26.05	26.01	25.29	26.81	26.04	23.77	
1	2014 November	Market Prs 4 AM Mkt	25.27	24.97	24.92	24.97	26.01	26.33	24.97	24.97	24.98	24.97	24.97	24.97	24.97	26.01	26.01	24.87	24.97	24.97	24.97	24.81	24.97	26.01	25.4	25.1	26.17	26.24	25.13	26.77	26.06	24.11	
1	2014 November	Market Prs 5 AM Mkt	24.97	24.97	24.97	25.13	25.74	26.87	25.13	24.97	24.97	24.97	24.97	24.97	25.2	26.26	26.01	24.88	25.11	24.97	24.97	24.72	24.93	26.39	25.49	25.78	26.01	26.8	25.71	27.41	26.32	23.77	
1	2014 November	Market Prs 6 AM Mkt	24.97	24.82	26.38	25.75	26.87	27.5	26.47	25.13	25.13	25.21	25.17	25.42	26.17	27.47	26.01	24.97	25.73	25.34	25.36	24.72	26.01	26.65	25.54	26.49	26.54	28.52	27.05	28.89	27.21	23.77	
1	2014 November	Market Prs 7 AM Mkt	25.13	25.17	32.38	32.51	32.79	33.43	32.71	26.01	25.12	31.64	30.58	31.17	32.38	33.54	26.45	25.16	32.71	31.17	29.88	25.02	30.55	26.71	25.72	32.71	32.71	34.85	33.65	36.76	27.84	23.77	
1	2014 November	Market Prs 8 AM Mkt	26.02	25.44	32.79	32.71	34.06	35.17	32.79	26.4	25.42	32.71	32.06	32.38	32.71	35.3	27.5	25.24	32.71	32.71	31.78	25.17	31.65	27.47	26.01	32.84	33.28	37.62	33.99	38.37	28.68	24.08	
1	2014 November	Market Prs 9 AM Mkt	26.72	25.62	32.71	32.71	33.89	33.54	33.06	27.5	26.38	32.71	32.15	32.38	32.79	34.98	27.5	26.01	33.23	32.51	32.38	25.2	31.88	27.5	26.38	33.54	33.15	36.36	34.08	37.39	29.23	25.6	
1	2014 November	Market Prs 10 AM Mkt	27.09	25.13	32.71	32.71	33.54	33.54	33.18	27.5	26.87	32.71	32.51	32.71	33.14	34.91	27.5	26.87	33.26	32.39	32.38	26.14	31.98	27.79	26.87	33.54	32.91	35.56	33.99	36.6	28.97	25.6	
1	2014 November	Market Prs 11 AM Mkt	27.09	25.52	32.79	32.79	33.54	33.54	32.79	27.65	26.45	32.71	32.51	32.71	33.54	34.17	27.65	26.75	33.26	32.51	32.71	26.98	31.88	28.06	26.87	34.02	33.11	34.23	33.97	35.6	29.13	25.92	
1	2014 November	Market Prs Noon Mkt	26.87	25.02	32.71	32.71	33.19	32.71	32.79	27.43	26.01	32.71	32.38	32.38	33.41	33.54	27.73	26.42	32.79	32.51	32.62	26.9	31.88	27.43	26.77	33.85	32.79	34.23	33.82	34.97	29.13	25.97	
1	2014 November	Market Prs 1 PM Mkt	26.45	25.63	32.71	32.71	32.79	32.74	32.71	26	26.13	32.71	31.88	32.38	33.26	33.26	26.87	26.09	32.71	31.96	32.38	26.4	31.69	26.87	26.36	33.73	32.71	33.54	33.75	33.55	29.13	25.88	
1	2014 November	Market Prs 2 PM Mkt	26.19	24.97	32.51	32.71	32.86	32.71	32.64	26.6	26.19	32.71	32.12	32.38	33.54	33.2	26.54	25.4	32.71	31.88	32.38	25.86	30.58	26.87	26.54	33.54	32.71	33.1	33.5	33.54	28.79	25.91	
1	2014 November	Market Prs 3 PM Mkt	26.21	24.97	31.88	32.71	32.79	32.6	32.51	26.01	25.4	31.88	31.88	32.71	33.26	32.79	26.38	25.13	32.71	31.88	32.16	25.21	30.55	26.57	26.01	33.15	32.39	32.71	33.13	33.15	28.68	25.6	
1	2014 November	Market Prs 4 PM Mkt	25.82	25.52	31.88	32.48	32.71	32.71	31.31	26.01	25.26	31.88	31.88	32.38	33.26	32.71	26.38	26.15	32.71	31.88	32.38	25.3	30.55	26.26	26.37	33.54	32.51	32.79	33.26	33.15	28.85	25.75	
1	2014 November	Market Prs 5 PM Mkt	26.17	25.72	32.51	32.71	33.11	32.71	32.38	26.56	26.35	32.51	31.88	32.67	33.54	32.71	26.43	26.01	32.71	31.88	32.71	25.18	31.54	26.87	26.87	34.8	32.71	34.55	33.79	34.46	29.22	26.33	
1	2014 November	Market Prs 6 PM Mkt	26.12	26.87	33.25	33.54	34.64	33.38	32.79	27.5	28.06	33.12	32.79	33.26	36.75	33.7	27.74	28.12	33.95	32.71	33.26	25.86	32.67	28.02	28.68	36.59	34.22	36.4	34.86	36.64	29.49	27.72	
1	2014 November	Market Prs 7 PM Mkt	26.87	27.63	33.54	35.68	35.99	33.54	32.81	28.09	27.75	33.26	32.79	33.54	37.21	34.73	28.06	28.39	33.54	32.71	32.79	26.13	32.71	28.31	28.68	35.98	36.64	36.24	35.47	36.81	29.71	27.86	
1	2014 November	Market Prs 8 PM Mkt	26.87	27.5	32.71	33.54	35.98	33.54	32.71	27.5	27.69	32.71	32.71	33.02	36.65	33.54	27.5	28.68	32.79	32.79	32.71	26.12	32.51	28.45	28.71	35.27	36.45	35.51	34.86	36.44	29.41	27.58	
1	2014 November	Market Prs 9 PM Mkt	26.87	27.3	32.71	34.05	33.54	33.26	32.71	27.92	27.5	32.71	32.6	32.71	36.1	33.26	27.5	28.29	33.12	32.53	32.12	26.14	32.51	27.65	28.68	34.26	35.74	35.07	34.57	35.76	29.13	27.31	
1	2014 November	Market Prs 10 PM Mkt	26.32	26.3	31.88	32.79	33.26	32.71	32.38	27.43	26.76	31.88	31.88	32.12	33.54	32.71	27.11	27.5	32.38	31.88	31.31	26.14	32.35	27.65	28.05	33.08	34.23	33.65	34.61	34.93	28.82	26.35	
1	2014 November	Market Prs 11 PM Mkt	25.4	24.97	26.49	27.65	28.56	27.56	27.43	26.12	25.16	26.87	26.45	26.87	28.53	28.68	26.41	26.87	26.87	26.49	26.51	26.01	27.47	27.43	26.45	28.68	28.9	28.68	29.41	29.23	27.92	26.12	
1	2014 November	Market Prs Midnight k	24.97	25.06	26.02	26.8	27.5	26.45	26.4	25.13	24.97	24.97	25.13	26.01	27.1	27.43	25.27	25.13	25.12	25.59	25.77	24.97	26.87	26.01	25.99	26.49	28.01	27.43	28.68	28.68	27.47	25.58	
1	2014 December	Market Prs 1 AM Mkt	23.33	24.9	24.76	26.22	25.44	24.2	23.65	23.03	23.42	23.58	23.69	24.46	24.48	24.51	25.31	26.51	24.38	24.76	24.2	23.74	22.49	24.14	22.67	23.45	23.4	23.89	23.18	23.93	23.61	22.27	22.2[illegible]
1	2014 December	Market Prs 2 AM Mkt	23.45	24.74	24.7	26.22	24.81	24.17	23.16	22.48	22.5	23.23	23.22	23.84	24.2	24.2	24.76	26.22	24.58	24.52	23.43	22.57	22.48	23.57	23.03	22.61	22.62	23.3	23.57	23.59	22.89	21.76	21.76
1	2014 December	Market Prs 3 AM Mkt	22.88	24.7	24.53	26.08	24.76	24.11	23	22.48	22.48	23.03	22.82	23.45	24.06	22.83	24.9	26.01	24.48	24.59	23.62	22.48	22.48	23.43	22.85	22.51	22.88	23.15	23.14	23.45	22.92	20.66	20.66
1	2014 December	Market Prs 4 AM Mkt	22.47	24.7	24.55	26.22	24.7	23.28	23.24	22.48	22.48	23.15	22.48	23.45	24.02	24.2	24.99	25.98	24.17	24.64	23.57	22.48	22.48	23.52	22.27	23	22.81	22.95	22.96	23.39	23	20.66	20.66
1	2014 December	Market Prs 5 AM Mkt	23.88	25.21	24.76	26.49	25.06	24.09	22.48	23.39	22.68	23.47	23.65	23.76	23.84	24.2	26.1	26.49	24.51	24.76	22.62	22.48	21.94	23.65	22.27	23.91	22.91	23.15	22.93	23.38	23.31	20.66	20.66
1	2014 December	Market Prs 6 AM Mkt	24.52	26.49	26.22	27.43	26.22	24.2	23.31	24.45	23.86	24.16	24.2	24.53	24.2	24.2	27.14	27.14	25.13	26.22	24.2	22.48	22.75	24.19	22.48	23.5	24.09	24.12	23.08	23.91	24.19	20.66	20.66
1	2014 December	Market Prs 7 AM Mkt	36.61	38.24	37.98	40.9	37.56	24.7	23.32	34.42	33.84	33.84	34.92	36.08	24.37	24.2	39.23	39.78	36.61	36.61	33.84	23.82	22.81	32.99	30.91	25.53	31.67	33.51	23.57	23.6	33.51	28.72	28.73
1	2014 December	Market Prs 8 AM Mkt	38.37	39.59	38.94	42.05	38.39	24.74	24.15	36.29	35.98	35.74	36.61	37.4	25.27	24.36	41.64	41.68	37.12	38.53	36	24.2	23.51	33.58	32.79	26.35	32.48	33.84	23.58	24.09	33.84	29.03	29.03
1	2014 December	Market Prs 9 AM Mkt	38.24	39.03	38.64	41.37	39.01	25.82	24.35	36.61	35.58	35.57	36.61	37.43	26.78	25.24	41.38	40.84	36.92	38.53	36.48	24.61	24.08	33.84	32.99	27.09	32.48	34.67	24.43	24.35	33.84	30.11	30.11
1	2014 December	Market Prs 10 AM Mkt	39.15	38.53	38.53	40.25	38.64	26.49	24.74	36.61	35.58	35.71	36.61	37.25	26.98	26.28	40.76	39.45	36.61	37.67	36.49	24.73	24.2	34.42	32.62	27.48	32.48	35.53	24.7	24.76	33.63	30.49	30.49
1	2014 December	Market Prs 11 AM Mkt	38.8	38.53	38.53	39.6	38.91	26.49	24.76	36.86	35.26	35.83	36.61	37.24	27.25	26.49	41.34	38.53	36.61	37.72	36.61	24.74	24.45	34.42	31.91	27.32	33.42	35.8	25.08	24.76	33.84	30.91	30.91
1	2014 December	Market Prs Noon Mkt	38.53	37.9	38.26	38.34	38.51	26.49	24.76	36.61	34.91	36	36.61	36.61	27.4	26.94	39.65	38.1	35.71	36.61	36.48	24.7	24.74	33.78	31.56	26.76	33.45	35.55	25.16	24.45	33.51	31.26	31.26
1	2014 December	Market Prs 1 PM Mkt	38.53	36.85	38.51	37.58	38.24	25.27	24.76	36	34.67	35.58	36.61	36.86	27.14	26.49	39.23	36.63	36.1	35.71	35.55	24.33	24.69	33.68	30.9	26.09	33.28	35.86	24.76	24.7	33.52	32.03	32.03
1	2014 December	Market Prs 2 PM Mkt	38	36.61	38.55	37.65	37.85	25.16	24.76	35.65	34.42	34.99	36.61	36.61	27.12	26.94	39.17	36.61	35.87	36.02	34.6	24.2	24.54	32.99	30.4	25.8	32.99	35.71	24.46	24.46	32.99	32.8	32.8
1	2014 December	Market Prs 3 PM Mkt	37.6	36.61	38.53	37.23	37.25	25.07	24.76	35.71	34.67	35.49	36.61	35.71	26.99	26.49	38.58	36.61	35.55	36.32	33.84	24.08	24.46	31.65	29.97	25.73	32.48	34.51	24.7	24.05	32.26	32.05	32.05
1	2014 December	Market Prs 4 PM Mkt	37.23	36.86	39.13	37.47	36.8	25.09	24.74	36.04	34.67	35.71	36.61	35.99	27.04	26.49	38.53	36.61	35.04	35.71	33.84	24.05	24.2	31.58	29.6	25.73	33.04	34.67	24.46	24.2	32.26	32.74	32.74
1	2014 December	Market Prs 5 PM Mkt	38.24	37.62	38.61	38.25	37.15	26.43	25.5	36.93	36	36.61	37.92	37.05	27.58	26.97	39.15	37.19	37.18	36.16	35.35	24.29	24.7	32.26	30	25.8	34.27	35.55	24.76	24.68	32.25	32.99	32.99
1	2014 December	Market Prs 6 PM Mkt	41.06	39.24	41.57	40.88	38.95	27.46	26.94	38.64	38	38.53	39.06	38.62	27.85	28.26	41.78	39.18	38.74	37.97	36.61	25.28	26.49	32.99	30.89	27.48	34.74	36.41	26.5	26.22	33.84	33.55	33.55
1	2014 December	Market Prs 7 PM Mkt	41.43	40.94	43.03	41.6	38.96	27.43	26.94	38.53	38.19	38.68	38.93	38.56	27.94	28.29	43.55	40.37	38.88	38.24	36.61	25.96	27.32	33.84	31.56	27.6	35.14	36	26.94	26.49	33.65	33.84	33.84
1	2014 December	Market Prs 8 PM Mkt	41.04	40.15	42.42	41.33	37.67	27.24	26.94	37.58	37.23	38.38	39.06	38.39	27.88	28.15	42.45	40.08	38.51	37.96	36	25.44	27.14	33.5	32.04	27.6	34.44	35.55	26.94	26.28	33.51	33.84	33.84
1	2014 December	Market Prs 9 PM Mkt	40.27	39.44	41.37	40.51	37.23	27.4	26.29	36.68	36.61	37.05	38.93	37.96	27.82	27.94	41.76	39.56	38.44	37.76	35.05	24.76	26.94	33.51	32.26	27.6	34.27	35.2	26.49	26.01	33.51	33.53	33.53
1	2014 December	Market Prs 10 PM Mkt	38.58	38.53	39.01	39.18	36.61	26.41	25.82	35.57	35.54	36.61	36.61	36.61	26.94	27.44	40.87	38.53	37.77	36.61	34.38	24.2	26.29	32.99	32.26	27.1	32.48	33.84	25.85	24.83	32.96	33.24	33.24
1	2014 December	Market Prs 11 PM Mkt	27.42	27.18	27.82	27.3	26.53	25.82	24.57	25.82	24.76	26.49	26.94	26.94	26.49	27.14	27.92	27.15	26.94	26.49	24.76	24.2	25.82	24.2	24.2	24.74	24.76	24.46	24.76	24.7	24.2	23.94	23.94
1	2014 December	Market Prs Midnight k	26.38	26.36	26.94	26.49	24.74	24.53	23.91	24.2	24.2	24.48	24.76	25.82	25.19	26.49	26.94	26.01	26.01	25.01	24.2	23.9	24.25	23.86	23.16	23.97	24.2	24	24.53	24.11	23.61	23.49	23.49
1	2015 January	Market Prs 1 AM Mkt	29.41	24.99	26.83	26.18	27.65	25.2	26.43	24.12	25.92	28.09	26.75	25.93	23.6	25.91	26	29.78	27.14	25.49	22.81	24.8	27.42	26.76	25.82	24.53	26.69	26.07	25.42	25.42	31.29	29.02	30.14
1	2015 January	Market Prs 2 AM Mkt	25.84	27	22.27	25.59	24.42	25.2	22.37	20.55	24.52	26.84	26.36	23.41	19.7	24.26	26.49	27.85	25.62	25.05	19.43	24.23	24.41	24.27	23.13	24.18	24.74	23.84	24.56	24.56	30.93	28.62	30.27
1	2015 January	Market Prs 3 AM Mkt	24.51	25.35	21.24	24.49	22.67	25.31	18.83	17.74	24.43	26.75	25.99	23	18.94	24.18	26.23	27.51	26.1	24.52	17.79	22.97	24.56	25.51	22.28	22.91	24.25	24.41	24.89	24.89	30.58	29.06	30.12
1	2015 January	Market Prs 4 AM Mkt	23	23.94	20.93	23.88	22.24	24.88	18.71	15.41	23.92	27.36	25.85	22.86	18.84	24.09	25.89	26.79	24.91	24.32	15.69	22.3	24.24	25.23	22.28	22.97	24.1	24.29	25.01	25.01	30.58	29.13	30.13
1	2015 January	Market Prs 5 AM Mkt	23.29	24.82	21.02	23.97	22.19	26.05	18.68	15.1	23.87	26.87	25.55	22.59	18.28	23.56	25.51	26.43	24.61	23.44	15.13	22.24	24.36	25.23	21.85	22.98	23.65	24.76	24.86	24.86	30.58	29.01	30.13
1	2015 January	Market Prs 6 AM Mkt	23.42	24.8	19.49	23.61	21.88	26.28	19.28	18.21	24.15	26.91	25.53	23.19	18.64	24.37	26.36	27.42	24.37	22.76	17.11	22.92	24.79	24.83	21.97	22.47	23.67	24.96	25.09	25.09	31.29	30.12	30.46
1	2015 January	Market Prs 7 AM Mkt	28.48	32.99	21.08	24.67	30.04	31.03	28.05	24.96	30.57	27.47	26.24	27.01	25.18	28.64	32.37	33.11	25.49	23.94	24.83	28.69	28.26	29.98	27.28	23.44	23.51	31.21	31.7	31.7	46.41	41.64	31.22
1	2015 January	Market Prs 8 AM Mkt	34.12	41.37	24.88	26.42	35.52	36.34	32.32	31.23	40.25	28.74	27.41	31.82	30.96	35.4	38.31	45.52	26.64	25.67	31.83	40.32	42.84	41.29	35.19	28.64	24.9	43.08	37.65	37.65	47.9	42.6	31.22
1	2015 January	Market Prs 9 AM Mkt	38.06	45.18	29.34	29.93	39.17	43.95	38.27	36.43	46.09	33.85	30.01	34.98	36.58	37.81	41.39	55.1	29.03	28.2	38.67	39.04	44.28	43.08	44.21	34.88	27.55	49.71	44.09	44.09	47.4	43.1	31.3
1	2015 January	Market Prs 10 AM Mkt	32.4	41.08	29.53	29.21	34.64	36.12	34.07	31.56	44.41	32.37	29.12	34.53	33.4	36.16	39.54	42.53	29.41	28.74	33.64	37.43	41.09	40.55	42.86	34.35	27.58	45.18	40.12	40.12	47.6	42.6	31.3
1	2015 January	Market Prs 11 AM Mkt	30.56	40.08	31.21	30.62	33.18	34.07	31.74	32.42	43.67	34.52	29.64	34.64	32.67	36.18	37.33	42.2	31.12	27.81	33.52	38.22	40.85	39.03	40.16	35.58	27.33	43.98	38.83	38.83	47.5	43.1	31.22
1	2015 January	Market Prs Noon Mkt	30.36	36.95	30.42	30.72	31.91	34.33	31.53	32.45	40.47	33.41	29.11	34.14	33.09	34.02	36.41	37.63	30.12	27.61	32.96	36.68	38.75	39.73	39.51	34.83	27.33	42.17	38.43	38.43	47.39	42.6	31.3
1	2015 January	Market Prs 1 PM Mkt	29.34	34.99	29.57	31.04	31.58	33.79	31.2	32.4	41.38	32.15	28.58	34.28	32.43	33.54	35.73	36.38	28.36	27.25	32.41	35.37	36.83	37.55	37.07	32.08	27.55	41.51	37.43	37.43	46.72	42.53	31.22
1	2015 January	Market Prs 2 PM Mkt	28.13	34.48	28.63	29.57	30.42	33.05	31.34	31.12	36.26	28.55	28.24	32.55	31.21	32.82	34.46	33.18	27.8	26.25	31.95	33.43	33.79	36.88	35.53	30.56	26.68	36.59	35.68	35.68	47.25	42.25	30.61
1	2015 January	Market Prs 3 PM Mkt	27.41	33.09	27.89	28.95	29.45	33.59	31.11	30.95	35.67	27.74	26.96	31.77	30.62	32.18	34.17	32.95	27.48	25.26	31.5	32.44	32.69	35.08	34.27	28.23	26.54	34.44	34.11	34.12	46.44	41.94	30.61
1	2015 January	Market Prs 4 PM Mkt	26.96	32.26	26.81	28.43	29.79	31.26	30.84	30.82	33.54	26.94	27.15	31.5	30.33	31.75	33.59	32.01	26.38	25.18	31.37	31.44	31.71	33.91	33.72	28.51	26.03	33.58	33.19	33.19	46.38	41.94	30.61
1	2015 January	Market Prs 5 PM Mkt	26.81	31.63	26.32	28.11	28.98	30.82	30.58	30.7	32.91	26.21	26.9	31.06	29.48	31.29	33.05	31.56	26.36	24.47	30.33	30.63	31.06	31.04	31.55	27.78	25.54	32.57	32.47	32.47	46.44	41.38	30.61
1	2015 January	Market Prs 6 PM Mkt	27.22	32.26	27.45	28.53	29.67	31.26	31.04	31.7	33.3	27.44	27.44	31.64	30.78	31.71	33.56	32.18	26.28	25.27	31.18	31.13	31.8	34.01	31.55	29.94	26.29	32.73	32.58	32.58	46.68	42.25	30.84
1	2015 January	Market Prs 7 PM Mkt	39.19	43.33	33.38	32.34	35.67	42.31	35.26	45.19	44.63	38.66	35.85	37.68	37.28	37	41.72	36.52	31.53	32.58	40.7	39.06	40.29	42.12	33.02	33.6	32.52	38.86	37.63	37.63	47.81	43.1	31.64
1	2015 January	Market Prs 8 PM Mkt	39.28	43.71	36.97	38.79	37.8	43.01	36.49	48.55	48.28	37.29	34.75	39.08	42.78	38.12	48.34	41.14	32.22	32.18	42.88	46.31	43.39	45.04	37.82	35.8	41.32	46.58	39.68	39.68	47.39	43.1	31.64
1	2015 January	Market Prs 9 PM Mkt	32.81	37.55	29.79	32.62	36.57	38.45	34.21	41.74	41.19	32.14	31.62	35.76	39.85	36.08	43.64	36.29	29.45	29.12	38.68	40.85	39.54	42.12	33.79	32.52	36.89	39.68	36.23	36.23	47.26	42.7	32.33
1	2015 January	Market Prs 10 PM Mkt	30.82	36.35	29.76	32.26	32.94	36.15	32.6	35.58	38.17	30.62	30.3	33.58	36.96	35.84	40.89	34.33	28.99	27.93	34.2	36.93	35.5	37.85	31.98	30.61	31.65	36.19	33.98	33.98	46.37	42.44	31.33
1	2015 January	Market Prs 11 PM Mkt	28.48	29.77	28.95	31.98	27.74	30.69	28.46	29.83	31.89	29.78	29.47	28.97	30.65	29.99	33.83	28.89	27.7	26.8	28.91	29.09	29.16	30.62	27.99	30.25	31.04	30.21	29.65	29.65	31.74	31.3	31.22
1	2015 January	Market Prs Midnight k	26.36	27.98	28.25	29.28	26	27.33	25.57	27.78	29.96	28	26.85	26.09	27.25	28.68	30.51	28.47	26.56	25.1	27.08	28.25	28.22	28.17	27.18	28.13	27.53	27.56	27.06	27.06	30.91	30.61	30.46
1	2015 February	Market Prs 1 AM Mkt	30.32	30.97	31.5	30.8	30.8	31.25	30.52	30.8	29.22	28.8	30	30.8	31.45	30.73	29.81	30.47	28.62	28.46	28.62	28.69	29	28.62	28.58	28.62	28.94	29.01	27.68	28.24			
1	2015 February	Market Prs 2 AM Mkt	30.33	30.97	31.5	30.5	30.8	31.31	30.8	30.7	29.28	28.9	29.81	30.8	31.5	30.74	29.27	30.12	28.62	28.45	28.33	28.62	28.62	28.33	28.29	28.62	28.62	28.62	27.73	28.04			
1	2015 February	Market Prs 3 AM Mkt	30.32	30.9	31.15	30.64	30.8	30.8	30.7	30.51	28.8	28.62	29.81	30.8	30.97	30.13	29.23	30.14	28.35	28.33	28.29	28.62	28.62	28.33	28.29	28.73	28.62	28.62	27.67	27.68			
1	2015 February	Market Prs 4 AM Mkt	30.07	30.97	31.5	30.72	30.8	30.82	30.7	30.77	29.28	28.62	29.81	30.8	30.95	30.32	29.81	30.75	28.53	28.29	28.33	28.62	28.62	28.33	28.33	28.97	28.62	28.62	27.51	27.68			
1	2015 February	Market Prs 5 AM Mkt	30.47	31.5	31.5	30.8	30.89	31.5	30.71	30.32	29.76	29.24	30.23	30.92	31.5	30.47	30.04	30.64	28.62	28.5	28.62	29.19	28.62	28.33	28.33	29.09	29.16	29.01	28.3	27.83			
1	2015 February	Market Prs 6 AM Mkt	30.64	31.54	31.78	31.5	31.54	31.5	30.95	30.8	30.48	29.81	30.8	31.53	31.64	30.8	30.22	30.96	28.62	28.62	29.08	30	28.78	28.33	28.82	29.81	30.16	30.31	28.32	28.05			
1	2015 February	Market Prs 7 AM Mkt	30.8	42.89	42.94	39.84	41.84	42.25	31.41	30.8	38.78	37.49	38.48	41.53	42.34	30.8	30.32	39.01	36.04	36.88	36.87	38.47	29.72	28.33	36.08	36.92	37.66	37.49	36.19	28.27			
1	2015 February	Market Prs 8 AM Mkt	30.8	41.97	42.69	41.66	42.32	47.69	31.41	31.06	39.56	38.16	39.56	43.27	43.55	30.8	30.31	39.56	36.88	37.49	37.49	39.09	30.66	28.33	37.49	38.16	38.78	38.49	37.33	28.76			
1	2015 February	Market Prs 9 AM Mkt	31.36	41.68	42.89	41.58	42.24	42.36	31.5	30.8	39.09	38.49	40.16	42.82	43.14	30.91	30.8	40.16	36.88	37.57	37.49	38.49	30.12	28.62	37.58	37.49	38.42	38.29	37.1	28.74			
1	2015 February	Market Prs 10 AM Mkt	31.25	43.5	42.38	41.99	42	42.24	31.5	31.12	39.56	38.45	39.99	41.85	42.31	31.34	30.53	39.56	36.79	37.49	37.01	37.96	30.5	28.62	37.75	36.83	38.03	38.16	37.11	29.15			
1	2015 February	Market Prs 11 AM Mkt	31.53	42.95	42.28	41.16	41.59	41.63	31.68	30.8	39.56	38.49	40.85	41.55	41.85	31.43	30.8	39.08	36.79	36.92	36.99	37.49	30.8	28.62	38.06	36.88	37.06	37.05	37.11	29.2			
1	2015 February	Market Prs Noon Mkt	31.43	42.23	41.88	41.31	41.1	39.56	31.5	30.58	39.42	38.47	40.29	41.05	41.59	31.27	30.36	38.59	36.24	36.8	36.92	37.49	30.17	28.62	37.89	36.88	36.92	36.88	37.06	29.21			
1	2015 February	Market Prs 1 PM Mkt	30.8	41.58	42.24	38.87	40.16	39.56	30.8	30.11	38.45	38.49	39.56	39.56	40.1	30.68	30.32	37.9	36.67	36.81	36.92	36.91	30.25	28.62	37.56	36.46	36.79	36.79	36.27	29.2			
1	2015 February	Market Prs 2 PM Mkt	31.05	41.46	42.12	40.16	39.56	38.78	30.76	30.32	38.16	38.55	39.56	39.56	39.09	30.78	29.96	37.49	36.24	34.74	36.88	36.79	29.81	28.62	37.3	36.08	36.79	36.79	35.95	28.81			
1	2015 February	Market Prs 3 PM Mkt	30.8	41.49	41.88	39.42	39.56	38.49	30.72	29.9	37.97	38.24	39.56	39.56	39.09	30.66	29.92	37.01	36.08	36.08	36.79	36.24	29.09	28.58	36.92	36.35	36.87	36.87	35.77	28.76			
1	2015 February	Market Prs 4 PM Mkt	30.8	40.2	41.74	39.56	39.56	38.22	30.08	29.56	37.95	38.24	39.56	39.09	38.24	30.5	29.81	36.88	36.08	36.08	36.28	36.08	29.02	28.62	36.89	36.08	36.24	36.24	35.56	28.75			
1	2015 February	Market Prs 5 PM Mkt	31.2	40.84	41.97	39.86	39.56	38.16	30.51	29.81	38.23	38.49	39.18	39.54	38.16	30.51	29.81	36.88	36.24	35.84	36.46	36.24	29.81	28.62	36.92	36.03	36.6	36.61	35.59	28.74			
1	2015 February	Market Prs 6 PM Mkt	31.45	41.37	41.9	41.18	41.17	38.78	30.8	30.46	38.22	39.42	40.2	40.09	38.56	30.8	30.3	36.88	36.81	35.99	36.88	36.08	30.26	28.74	37.49	36.61	36.92	36.86	35.55	28.97			
1	2015 February	Market Prs 7 PM Mkt	31.68	41.68	42.95	42.24	41.7	39.56	31.41	30.8	39.56	40.16	42.31	42	39.56	31.37	30.8	38.21	37.05	36.88	37.49	37.01	30.3	30.2	37.63	37.05	37.66	37.49	37.11	29.36			
1	2015 February	Market Prs 8 PM Mkt	31.5	44.25	42.46	41.82	41.98	40.16	31.53	30.95	39.56	39.62	42.2	42.61	40.34	31.5	31.41	38.49	37.03	36.92	38.49	37.49	30.32	29.69	38.49	37.49	37.99	37.94	37.08	29.41			
1	2015 February	Market Prs 9 PM Mkt	31.5	41.96	42	41.58	42	40.16	31.53	31.09	39.29	39.25	41.58	42.24	40.12	31.02	31.41	38.16	36.88	36.92	38.28	37.49	30.12	29.81	37.82	37.49	37.49	37.49	36.24	29.4			
1	2015 February	Market Prs 10 PM Mkt	31.53	42.26	41.05	42	41.44	39.56	31.5	30.8	38.16	38.43	41.47	41.58	39.49	30.8	31.27	37.49	36.88	36.81	37.49	37.49	30.09	28.95	37.15	36.88	36.92	36.79	35.77	29.31			
1	2015 February	Market Prs 11 PM Mkt	31.53	32.06	31.5	31.76	32.01	31.68	30.8	30.8	30.8	30.8	32.01	31.63	31.5	30.75	30.8	29.81	29	28.8	30.12	30.76	29.3	28.66	30.32	30.05	29.81	29.83	29.04	29.09			
1	2015 February	Market Prs Midnight k	31.5	32.01	30.9	31.5	31.53	30.95	30.8	30.07	29.62	30.78	31.41	31.47	30.95	30.25	30.5	28.69	28.62	28.62	28.8	28.8	28.62	28.62	29.2	29.28	28.62	28.62	28.27	28.76			
1	2015 March	Market Prs 1 AM Mkt	27.75	25.93	25.81	25.83	25.83	27.28	25.83	25.83	25.93	25.81	25.83	25.83	27.09	27.36	27.36	27.13	26.4	26.41	25.83	25.83	25.83	25.69	25.67	25.81	25.83	25.83	25.79	25.83	25.57	24.86	25.12
1	2015 March	Market Prs 2 AM Mkt	27.48	25.89	25.83	25.53	25.54	27.1	25.83	25.75	25.89	25.83	25.53	25.54	26.97	27.18	27.34	26.98	25.83	26.02	25.83	25.57	25.57	25.53	25.53	25.83	25.83	25.83	25.83	25.83	25.57	24.68	25.18
1	2015 March	Market Prs 3 AM Mkt	27.84	25.95	25.68	25.53	25.53	27.14	25.83	25.83	25.95	25.68	25.53	25.53	26.67	27.16	27.36	26.55	25.83	25.83	25.57	25.57	25.5	25.53	25.45	25.57	25.57	25.77	25.83	25.53	25.53	24.62	24.86
1	2015 March	Market Prs 4 AM Mkt	27.36	26.3	25.83	25.53	25.53	27.12	25.57	25.83	26.3	25.83	25.53	25.53	26.93	27.53	27.19	27.2	25.83	25.83	25.57	25.57	25.53	25.12	25.53	25.57	25.53	25.73	25.57	25.47	25.19	24.62	24.69
1	2015 March	Market Prs 5 AM Mkt	27.36	25.99	25.83	25.53	25.57	27.36	25.83	25.71	25.99	25.83	25.53	25.57	26.91	27.2	27.29	27.25	26.21	25.89	25.83	25.57	25.57	24.65	25.53	25.53	25.53	25.83	25.83	25.53	25.02	24.76	24.86
1	2015 March	Market Prs 6 AM Mkt	27.81	27.36	26.37	25.83	26.38	28.26	25.83	25.83	27.36	26.37	25.83	26.38	27.36	27.65	27.36	27.81	26.8	27.1	25.83	26.11	25.53	25.44	25.81	25.83	25.83	25.83	25.86	25.57	25.15	25.13	25.14
1	2015 March	Market Prs 7 AM Mkt	27.68	37.13	35.6	34.84	35.57	38.55	25.83	26.03	37.13	35.6	34.84	35.57	37.44	27.81	27.84	38.07	36.05	36.58	35.49	35.23	25.65	25.53	34.79	34.79	34.82	35.38	35.38	25.57	25.53	35.31	35.31
1	2015 March	Market Prs 8 AM Mkt	27.81	38.44	36.37	36.05	36.05	39.51	25.99	26.52	38.44	36.37	36.05	36.05	38.07	27.81	27.81	40.51	37.68	37.79	36.05	36.05	25.83	25.57	36.05	35.39	35.61	36.06	36.54	25.83	25.61	36.1	36.19
1	2015 March	Market Prs 9 AM Mkt	27.81	38.07	36.05	35.61	36.07	38.6	26.95	27.31	38.07	36.05	35.61	36.07	38.1	28.38	27.81	40.18	37.21	37.39	36.05	36.28	26.26	25.83	36.05	35.39	35.61	36.05	36.7	26.17	25.57	36.55	37.44
1	2015 March	Market Prs 10 AM Mkt	27.81	38.07	36.05	35.72	36.2	38.07	27.3	27.34	38.07	36.05	35.72	36.2	38.71	28.43	27.81	40.07	37.13	37.66	35.88	36.41	26.36	25.75	36.05	35.61	36.05	36.5	36.48	26.85	25.83	36.84	37.69
1	2015 March	Market Prs 11 AM Mkt	27.81	37.79	35.79	35.96	36.11	37.55	27.32	27.36	37.79	35.79	35.96	36.11	38.71	28.43	27.81	39.19	37.13	37.33	36.05	36.57	26.78	26.18	36.54	36.11	36.05	36.88	36.48	26.94	25.96	37.12	38
1	2015 March	Market Prs Noon Mkt	27.86	37.13	35.61	36.05	36.55	37.28	27.28	26	37.13	35.61	36.05	36.55	38.07	28.26	27.51	38.73	37.11	37.13	36.05	36.08	27.06	26.03	36.76	36.71	36.05	36.87	36.88	26.96	26.04	38	38.14
1	2015 March	Market Prs 1 PM Mkt	27.84	37.04	35.61	35.8	36.38	36.88	27.19	26.24	37.04	35.61	35.8	36.38	38.07	27.81	27.41	38.07	36.63	36.57	36.05	36.57	26.91	25.99	36.12	36.7	36.7	36.47	36.58	26.95	26.43	38	38.27
1	2015 March	Market Prs 2 PM Mkt	27.75	36.11	35.38	35.61	36.29	36.05	26.97	26.27	36.11	35.38	35.61	36.29	38.07	27.81	27.06	37.89	36.7	36.7	36.05	36.09	27.29	26.43	36.7	37.13	36.7	36.16	36.05	26.96	26.11	37.68	38.27
1	2015 March	Market Prs 3 PM Mkt	27.83	35.61	35.45	35.61	36.56	35.64	26	26.3	35.61	35.45	35.61	36.56	38.03	27.83	26.96	37.66	36.05	35.69	36.05	36.05	27.06	26.52	36.86	37.03	36.05	35.98	36.05	26.64	26.58	36.7	38.12
1	2015 March	Market Prs 4 PM Mkt	27.9	35.61	35.57	35.38	36.4	35.57	26.22	25.83	35.61	35.57	35.38	36.4	37.66	27.19	26.69	37.39	36.05	35.61	36.05	35.61	27.17	26.81	36.24	36.67	35.97	35.62	35.57	26.73	25.99	36.64	37.96
1	2015 March	Market Prs 5 PM Mkt	27.81	35.38	35.25	35.61	36.09	35.57	25.99	25.83	35.38	35.25	35.61	36.09	37.49	27.36	26.29	37.28	36.05	35.57	36.05	35.6	27.25	26.87	36.05	36.7	36.05	35.61	35.57	26.57	26.41	36.18	37.69
1	2015 March	Market Prs 6 PM Mkt	27.84	35.4	34.79	35.38	36.88	35.6	26.38	25.83	35.49	34.79	35.38	36.88	37.17	27.36	25.99	37.68	35.61	35.57	35.64	35.38	27.26	27.1	36.05	36.7	35.81	35.14	35.54	26.61	26.41	36.6	37.4
1	2015 March	Market Prs 7 PM Mkt	28.01	36.05	34.79	35.39	37.11	35.92	27.08	26.11	36.05	34.79	35.39	37.11	37.27	27.42	25.99	37.39	35.63	35.61	35.63	35.38	27.27	27.32	36.05	36.05	35.57	35.57	35.38	26.67	25.99	36.15	37.38
1	2015 March	Market Prs 8 PM Mkt	28.48	36.05	35.38	35.61	37.79	36.35	27.43	26.52	36.05	35.38	35.61	37.79	37.79	27.81	27.36	37.68	36.11	36.05	36.05	35.48	27.04	27.21	36.81	36.7	36.05	35.57	35.51	27.17	26.8	36.7	38
1	2015 March	Market Prs 9 PM Mkt	28.46	36.69	35.63	36.1	38.02	36.1	27.35	27.64	36.69	35.63	36.1	38.02	38.07	27.84	27.92	38.07	37.47	37.13	36.98	36.05	27.1	27.54	37.13	37.13	36.57	36.86	35.57	27.26	27.27	37.93	37.96
1	2015 March	Market Prs 10 PM Mkt	28.43	36.05	35.38	35.61	37.69	35.62	27.36	27.36	36.05	35.38	35.61	37.69	38.02	27.81	27.81	37.13	37.13	36.18	36.05	35.57	27.36	27.36	36.58	36.19	36.05	36.51	35.22	27.19	27.02	37.15	37.09
1	2015 March	Market Prs 11 PM Mkt	28.26	27.41	27.36	27	27.81	26.87	25.99	27.23	27.41	27.36	27	27.81	28.26	27.81	27.81	27.81	27.81	27.58	27.31	27.12	26.43	27.26	27.36	27.4	27.36	27.68	27.36	26.91	25.99	26.45	26.34
1	2015 March	Market Prs Midnight k	27.84	26.43	26	26.14	27.81	26.44	25.87	27.1	26.43	26	26.14	27.81	27.81	27.75	27.36	26.91	27.06	26.33	26.41	26.43	25.83	26.21	26.46	26.55	26.46	26.04	26.4	25.83	25.83	25.72	25.9
1	2015 April	Market Prs 1 AM Mkt	25.95	27.32	27.32	27.09	27.32	26.91	27.2	26.71	26.52	27.09	26.76	26.82	26.55	26.84	25.76	26.19	26.83	25.9	25.53	25.67	25.95	25.97	26.13	25.98	25.67	25.67	25.79	26.55	21	23.98	
1	2015 April	Market Prs 2 AM Mkt	25.67	27.12	27.31	26.95	27.32	26.85	27.2	26.12	26.22	27.1	26.21	26.18	26.44	26.07	25.67	25.98	26.27	25.67	25.38	25.38	25.67	25.72	25.67	25.67	25.67	25.38	25.67	26.25	22.51	23.8	
1	2015 April	Market Prs 3 AM Mkt	25.59	27.05	26.91	27.12	27.1	26.94	27.32	25.88	26.13	27	26.03	26.19	26.43	26.44	25.67	25.67	26.16	25.51	24.6	25.38	25.67	25.98	25.67	25.67	25.67	25.13	25.42	26.1	21.97	19.73	
1	2015 April	Market Prs 4 AM Mkt	25.67	26.88	26.92	27.06	27.25	26.92	27.02	26.19	26.13	26.88	26	26.22	26.76	26.31	25.75	25.94	26.13	25.51	24.6	25.42	25.67	25.67	25.67	25.67	25.31	24.6	25.42	25.95	21.18	19.41	
1	2015 April	Market Prs 5 AM Mkt	25.67	27.04	27.05	26.83	27.28	26.91	27.32	25.98	26.67	27.07	26.2	26.25	26.68	26.67	25.67	25.96	26.64	25.61	24.84	25.42	25.58	25.65	25.97	25.67	25.42	24.6	25.67	25.62	21.31	18.47	
1	2015 April	Market Prs 6 AM Mkt	25.91	27.26	27.32	27.12	27.04	27.12	27.37	26.87	27.11	27.36	26.31	26.3	27.48	27.09	26.19	26.88	26.78	25.77	25.06	26.24	25.97	26.03	26.26	26.17	25.67	24.6	26.1	26.31	23.09	19.58	
1	2015 April	Market Prs 7 AM Mkt	33.49	36.05	34.1	27.22	27.48	35.77	37.32	35.8	34.99	35.77	26.8	26.16	36.05	35.77	34.04	34.06	34.56	26.1	25.42	33.27	33.23	33.27	33.27	33.1	25.67	25.4	33.27	33.27	35.45	28.87	
1	2015 April	Market Prs 8 AM Mkt	35.36	37.32	35.51	27.64	27.32	37.12	38.09	36.05	36.42	37.04	27	26.51	36.42	36.05	35.31	35.77	35.77	26.24	25.49	33.74	33.74	34.06	34.58	34.58	25.96	25.48	33.61	34.1	39.05	29.89	
1	2015 April	Market Prs 9 AM Mkt	36.14	37.25	36.05	27.64	27.64	37.36	38.15	37.03	36.96	37.04	27.64	26.93	36.42	36.05	35.51	35.77	35.51	26.87	25.67	34.58	34.46	34.94	35.29	34.84	26.79	25.77	34.58	35.14	38.5	33.75	
1	2015 April	Market Prs 10 AM Mkt	36.42	38.35	36.05	27.76	27.64	36.42	37.04	37.04	36.96	37.08	27.64	27.01	37.13	35.74	35.51	35.51	35.55	26.89	26.19	34.58	35.03	35.51	35.28	35.51	26.57	25.67	34.58	35.51	41.83	34.8	
1	2015 April	Market Prs 11 AM Mkt	36.42	38.09	35.77	27.73	27.64	37.67	36.83	37.32	37.32	36.42	27.81	27.32	37.04	35.77	35.51	36.04	35.33	26.65	26.29	35.51	35.77	35.51	35.77	35.13	26.77	26.26	35.51	36.05	45.13	37.75	
1	2015 April	Market Prs Noon Mkt	36.42	37.85	35.38	27.79	27.2	37.24	37.04	37.17	37.72	36.36	28.02	27.32	37.04	35.8	35.45	36.04	35.08	26.77	25.98	36.05	35.84	35.77	35.77	35.21	26.95	26.26	36.29	36.42	48.29	40.51	
1	2015 April	Market Prs 1 PM Mkt	36.99	37.85	35.12	27.67	27.32	37.04	36.42	37.32	37.18	36.05	27.64	27.32	36.42	35.77	35.51	35.77	34.63	26.78	26.28	36.05	35.77	36.05	35.72	35.28	26.82	26.59	36.83	36.96	48.56	39.79	
1	2015 April	Market Prs 2 PM Mkt	36.42	37.59	34.94	27.76	27.3	36.42	36.05	37.02	37.01	35.95	27.32	27.2	36.42	36.03	35.45	35.32	34.75	26.82	26.46	36.05	35.8	35.89	35.77	35.28	26.47	26.55	36.71	37.32	50.81	42.42	
1	2015 April	Market Prs 3 PM Mkt	36.3	36.42	34.8	27.64	26.93	36.09	35.51	36.42	36.42	35.32	27.24	27.32	35.62	35.12	34.58	35.2	34.94	26.79	26.58	35.77	35.51	35.51	35.47	34.7	26.47	26.63	36.09	37.32	54.97	45.98	
1	2015 April	Market Prs 4 PM Mkt	36.01	36.42	34.08	27.64	26.85	34.94	35.37	36.05	36.88	34.58	27.32	27.2	35.77	34.94	34.42	35.27	34.01	26.53	26.68	35.63	35.77	35.36	35.44	34.67	27.01	26.76	36.42	37.04	57.04	48.85	
1	2015 April	Market Prs 5 PM Mkt	36.05	36.42	34.1	27.64	26.78	35.51	34.2	36.1	36.42	34.14	27.32	27.04	35.44	34.58	34.53	34.83	33.74	26.46	26.96	35.51	35.77	35.51	35.19	34.1	27.08	26.82	36.05	37.32	57.47	50.93	
1	2015 April	Market Prs 6 PM Mkt	36.42	36.42	34.94	27.74	26.92	36.05	34.34	36.36	36.84	34.01	27.25	27.32	35.16	34.65	34.33	34.58	34.01	26.65	26.98	35.51	35.25	35.51	35.02	34.26	26.92	26.79	36.4	37.04	56.18	47.2	
1	2015 April	Market Prs 7 PM Mkt	35.9	36.42	34.58	27.64	27.08	35.51	34.37	36.05	36.47	33.96	27.12	27.15	35.27	34.26	34.06	34.1	33.27	26.77	26.89	35.48	34.94	35.38	34.58	34.01	26.56	26.64	35.95	36.3	52.5	43.87	
1	2015 April	Market Prs 8 PM Mkt	36.05	36.42	35.04	28.26	26.94	35.77	35.51	35.71	37.04	33.74	27.64	27.64	35.1	34.63	34.58	34.65	33.27	26.46	26.84	35.02	34.94	34.99	35.21	33.73	26.6	26.09	35.8	36.19	47.55	38.43	
1	2015 April	Market Prs 9 PM Mkt	37.04	38.02	36.17	27.81	27.64	37.26	35.82	36.42	37.32	35.46	27.64	27.64	36.42	35.72	36.05	35.86	34.04	26.79	27.32	36.05	35.57	35.65	35.79	34.26	26.51	26.82	36.42	37.02	50.67	41.59	
1	2015 April	Market Prs 10 PM Mkt	36.42	37.32	35.84	27.8	27.64	36.31	36.05	36.05	36.9	35.28	27.64	27.68	35.95	35.44	35.35	35.32	34.01	26.95	27.32	35.51	35.28	35.22	35.21	33.96	26.83	27.36	36.26	36.42	47.88	41.31	
1	2015 April	Market Prs 11 PM Mkt	28.26	28.26	27.64	27.64	27.32	28.02	27.64	27.64	28.26	27.64	27.32	27.64	27.64	27.64	27.64	27.64	26.84	26.04	26.82	27.64	27.48	27.26	27.3	27.17	26.04	26.99	27.94	27.81	35.94	30.74	
1	2015 April	Market Prs Midnight k	27.68	27.64	27.24	27.64	27.02	27.34	26.78	27.19	27.72	26.83	26.94	27.03	27.04	26.71	26.59	26.79	26.32	25.94	26.21	27.03	27.03	26.85	26.75	26.19	25.95	26.19	27.11	26.99	25.16	23.65	
1	2015 May	Market Prs 1 AM Mkt	22.13	22.07	19.68	20.09	21.96	22.21	23.27	22.75	19	22.61	21.72	23.12	22.83	21.68	21.29	22.06	22.2	21.3	21.97	22.57	22.05	23.91	23.74	23.01	24.07	23.22	22.65	21.62	23.82	22.99	21.49
1	2015 May	Market Prs 2 AM Mkt	20.84	18.88	17.08	18.2	20.99	19.94	20.74	17.88	22.3	21.16	17.95	20.73	21.62	17.9	18.52	21.7	22.28	20.2	20.58	17.61	20.61	22.27	21.88	21.43	19.09	22.19	20.45	19.07	23.48	22.63	21.14
1	2015 May	Market Prs 3 AM Mkt	18.76	18.46	15.87	17.71	18.59	18.92	19.57	15.6	20.66	20.92	16.67	19.42	18.96	16.07	15.85	20.33	20.69	19.65	18.45	14.66	17.88	20.96	19.97	19.78	17.24	21.56	19.19	18.1	23.23	21.49	21
1	2015 May	Market Prs 4 AM Mkt	18.54	18.22	14.45	17.7	18.06	18.53	18.9	16.12	20.94	20.62	16.59	19.08	19.85	15.79	15.46	19.5	18.01	19.31	18.04	13.29	17.09	19.87	19.39	19	16.46	19.05	18.73	17.29	23.08	21.3	20.93
1	2015 May	Market Prs 5 AM Mkt	18.38	17.61	14.34	17.86	18.1	18.73	19.02	16.54	20.97	20.2	17.37	19.12	19.9	15.79	15.4	18.74	19.45	19.18	17.72	12.41	17.09	19.59	18.96	19.17	14.7	20.51	18.53	17.33	22.98	21.14	20.93
1	2015 May	Market Prs 6 AM Mkt	18.79	17.55	14.61	19.47	19.08	19.82	20.22	17.78	21.17	20.52	18.2	19.82	22.08	16.84	17.88	20.42	19.15	19.58	20.56	13.8	19.47	19.99	18.59	17.83	14.6	20.93	19.19	18.44	23.86	21.18	20.91
1	2015 May	Market Prs 7 AM Mkt	27.42	17.93	16.45	28.34	29.47	28.7	27.97	23.58	22.09	20.01	24.26	25.03	25	21.18	23.42	21.37	19.54	24.83	25.28	21.13	24.75	25	19.66	18.08	14.47	25.63	21.96	22.08	37.75	21.31	20.93
1	2015 May	Market Prs 8 AM Mkt	33.63	19.28	17.75	29.27	29.89	29.87	30.17	28.12	23.83	21.89	28.54	28.8	27.19	28.9	29.21	22.51	21.89	27.4	28.13	25.21	28.15	33.31	22.8	21.64	21.25	30.54	26.93	25.67	38.17	22.64	21
1	2015 May	Market Prs 9 AM Mkt	42.37	22.11	21.15	31.36	34.15	34.87	34.61	27.24	26.02	22.41	32.24	29.91	28.3	28.3	29.17	23.37	22.85	31.04	28.65	26.08	28.29	41.78	23.39	21.97	21.5	33.03	29.38	26.58	38.51	23.41	21.31
1	2015 May	Market Prs 10 AM Mkt	45.28	23.56	22.49	37.8	35.39	35.22	35.62	27.35	27.67	23.38	34.25	31.13	32.34	28.85	34.06	25.51	23.93	37.83	29.75	27.99	29.73	46.82	25.92	23.88	24.79	38.57	30.01	27.33	39.19	23.67	22.97
1	2015 May	Market Prs 11 AM Mkt	47.59	25.46	23.16	36.7	35.38	36.48	36.68	26.61	29.71	23.85	39.6	38.84	35.73	29.11	36.55	28	25	40.75	30.04	30.36	45.3	48.83	29.73	27.09	28.17	42.19	30.95	28.21	41.55	25.19	21.62
1	2015 May	Market Prs Noon Mkt	51.37	27.43	23.58	37.69	34.51	35.67	37.83	26.21	29.86	24.45	39.22	41.46	37.72	30.26	39.09	31.96	31.68	42.23	31.38	33.55	46.42	47.62	36	35.25	39.95	46.91	33.45	28.36	42.62	26.09	23.71
1	2015 May	Market Prs 1 PM Mkt	54.07	27.61	23.78	35.72	35.41	37.42	35.37	26.04	30.24	24.61	37.86	41.47	37.96	31.56	37.38	33.9	34.31	41.39	33.57	35.78	47.21	48.93	40.27	40.73	43.62	49.01	34.39	28.77	43.13	26.26	24.25
1	2015 May	Market Prs 2 PM Mkt	57.64	28	24	36.91	35.74	40.06	36.24	26.18	30.99	24.37	37.24	41.76	41.47	32.24	42.01	37.82	42.8	47.11	33.88	37.49	47.96	62.79	44.25	45.13	48.81	51.33	35.13	28.47	43.73	26.1	24.57
1	2015 May	Market Prs 3 PM Mkt	58.35	28.2	26.12	36.51	36.3	41.79	38.48	26.37	29.46	24.31	40.44	46.58	43.92	41.16	47.13	42.46	41.9	44.34	33.54	39.34	48.22	65.47	45.83	50.44	54.79	49.72	34.07	28.52	44.01	26.09	24.81
1	2015 May	Market Prs 4 PM Mkt	56.22	27.46	26.77	37.15	37.05	39.82	39.06	25.72	29.84	24.17	40.49	46.75	35.93	34.89	42.58	40.55	45.78	41.64	34.36	39.18	54.77	67.99	50.56	54.45	61.01	53.97	34.92	27.83	44.53	26.21	24.36
1	2015 May	Market Prs 5 PM Mkt	43.34	28.22	27.73	36.1	36.07	38.06	38.6	26.77	29.02	24.34	40.23	47.12	39.04	38.79	43.38	44.57	47.98	41.46	32.99	40.19	58.15	67.02	53.18	50.3	72.48	54.38	35.37	27.55	44.01	26.26	25.04
1	2015 May	Market Prs 6 PM Mkt	40.78	28.49	28.57	35.78	36.34	35.68	32.97	26.12	29.01	24.88	34.3	43.63	32.31	33.15	39.79	45.63	48.28	43.16	31.92	44.15	58.15	56.1	51.67	64.24	84.15	54.92	33.99	27.16	43.64	26.05	24.8
1	2015 May	Market Prs 7 PM Mkt	39.44	26.7	27.42	35.79	34.95	31.78	31.47	24.71	27.71	25.09	31.78	42.45	30.93	31.25	38.47	42.05	47.48	41.99	29.82	41.24	53.43	49.88	49.81	67.85	68.22	48.6	32.7	26.62	43.23	25.65	24.36
1	2015 May	Market Prs 8 PM Mkt	36.22	25.18	27.64	31.6	31.17	29.59	30.29	24.51	28.12	25.42	30.1	39.03	28.21	29.69	32.5	36.74	41.36	46.82	28.17	32.27	47.04	44.57	40.7	48.23	48.57	47.21	30	26.51	42.24	25.41	24.39
1	2015 May	Market Prs 9 PM Mkt	40.81	26.75	28.54	34.8	34	33.08	34.55	24.94	28.28	26.66	30.45	35.02	28.39	29.78	29.71	33.6	38.8	38.61	28.04	29.88	41.68	41.17	37.76	43.61	43.69	43.61	28.61	26.65	42.62	24.54	24.3
1	2015 May	Market Prs 10 PM Mkt	40.55	26.77	30.73	35.14	36.15	36.88	38.14	27.66	28.61	28.69	32.78	38.61	30.36	32.32	32.74	35.72	44.38	43.66	29.85	32.85	45.26	45.29	38.16	48.62	46.73	42.74	30.23	27.52	41.35	25.02	24.79
1	2015 May	Market Prs 11 PM Mkt	27.69	22.62	23.37	25.75	26.57	26.66	26.62	21.74	25.89	26.61	25.83	26.35	24.61	25.37	24.96	26.68	28.83	24.01	24.67	25.44	29.83	30.57	31.39	38.58	35.9	31.56	24.37	23.41	24.61	23.67	23.67
1	2015 May	Market Prs Midnight k	23.05	19.98	20.89	22.7	24.05	23.55	23.27	20.34	23.16	22.38	23.84	23.51	22.5	22.25	22.66	23.66	23.67	22.45	23.26	22.51	24.38	24.67	24.18	27.35	24.4	24.46	22.39	21.59	24.08	23.52	22.97
1	2015 June	Market Prs 1 AM Mkt	24.43	24.21	24.07	24.64	27.19	24.64	24.07	24.43	26.31	26.73	27.06	27.06	25.87	26.6	27.15	27.19	26	26.39	27.56	24.43	24.07	24.64	27.19	27.18	27.19	27.15	25.58	24.24	26.12	26.83	
1	2015 June	Market Prs 2 AM Mkt	24.07	24.07	24.04	24.43	27.15	24.24	23.36	24.07	24.64	24.64	26.16	25.88	24.48	25.65	26.57	27.45	24.43	26.49	26.39	24.24	23.92	24.24	27.15	27.15	27.15	26.17	24.43	23.99	24.24	24.44	
1	2015 June	Market Prs 3 AM Mkt	23.99	23.73	23.67	24.18	26.83	24.07	23.03	24.06	24.43	24.31	25.64	25.17	24.15	24.43	26.31	27.36	24.12	24.43	25.64	24.07	23.2	24.07	26.6	27.06	26.72	24.63	24.07	23.2	23.88	24.07	

1	2015 June	Market Pri 4 AM Mkt	23.99	23.41	23.46	24.07	26.73	23.73	22.66	24.07	24.24	24.12	24.64	24.43	24.07	24.41	25.95	26.89	24.07	24.24	25.5	23.99	23.19	24.07	26.64	26.13	26.33	24.43	24.02	23.07	23.88	23.9	
1	2015 June	Market Pri 5 AM Mkt	24.07	23.99	23.94	24.07	26.48	23.53	22.5	24.07	24.24	24.24	24.64	24.43	24.07	24.07	25.82	26.13	24.07	24.24	25.51	23.99	23.03	24.24	26.13	26.52	26.06	24.43	23.99	23.03	23.88	24.05	
1	2015 June	Market Pri 6 AM Mkt	24.43	24.23	24.07	24.43	27.15	23.81	22.5	24.32	24.61	24.64	25.67	24.64	24.07	24.07	26.17	27.15	24.43	24.64	25.95	24.07	23.03	24.64	26.55	26.35	26.65	25.34	24.07	23.03	24.44	24.25	
1	2015 June	Market Pri 7 AM Mkt	30.83	29.75	29.69	30.93	33.45	23.99	22.5	30.85	30.85	30.93	32	30.95	24.07	24.24	32.28	33.45	30.83	30.98	30.98	24.07	23.03	30.98	32.73	32.68	32.73	31.61	24.07	23.03	32.4	32.4	
1	2015 June	Market Pri 8 AM Mkt	32.06	30.98	30.93	32.97	35.33	24.07	23.03	31.99	31.99	32.73	33	32.98	24.64	24.43	34.09	34.31	32.12	32.73	32.73	24.24	23.79	32.73	34.09	34.31	34.05	33.24	24.24	23.2	33.8	34.16	
1	2015 June	Market Pri 9 AM Mkt	32.73	32.51	32.05	34.18	37.6	24.64	24.02	32.87	33.45	33.64	34.95	34.79	26.26	26.95	36.58	36.22	33.14	33.67	33.37	24.64	24.07	34.09	37.45	36.85	36.05	33.95	24.64	24.07	34.84	35.86	
1	2015 June	Market Pri 10 AM Mkt	33.22	32.73	32.73	34.95	40.31	27.06	24.28	34.04	34.85	35.48	36.67	36.69	27.44	27.15	38.48	36.26	34.95	35.52	34.09	27.06	24.35	36.22	40.38	39.66	37.95	34.31	27.15	24.4	36.38	37.14	
1	2015 June	Market Pri 11 AM Mkt	34.16	33.45	32.87	36.96	42.09	27.15	24.64	35.26	36.22	36.71	38.19	38.35	29.05	28.68	41.27	39.25	35.27	36.8	35.53	27.15	24.85	38.39	42.63	41.65	40.42	35.77	28.72	26.33	37.25	38.88	
1	2015 June	Market Pri Noon Mkt	34.95	34	33.45	38.22	43.29	27.19	27.06	36.07	38.19	37.81	39.62	39.4	29.1	29.45	42.22	40.92	36.19	38.88	36.22	27.18	26.31	39.99	46.06	41.39	41.88	36.22	28.72	27.15	38.74	40.32	
1	2015 June	Market Pri 1 PM Mkt	35.5	34.31	33.96	40.82	44.19	28.72	27.16	36.66	39.3	38.88	40.85	40.93	29.88	30.1	45.79	42.17	37.27	40.12	36.84	27.15	27.06	41.47	49.08	46.48	44.52	38.61	29.35	27.15	39.81	42	
1	2015 June	Market Pri 2 PM Mkt	36.22	34.31	34.31	42.22	44.59	28.72	28.72	38.35	40.67	40.4	42.04	41.89	30.08	31.02	48.09	42.81	37.76	41.28	37.53	27.19	28.61	44.03	54.49	51.42	45.87	38.24	29.35	27.19	41.18	43.12	
1	2015 June	Market Pri 3 PM Mkt	35.76	34.92	34.46	41.91	44.19	29.34	28.62	39	41.17	41.84	42.98	41.87	30.1	31.79	50.27	41.38	38.37	42.24	37.92	27.18	28.93	45.53	55.07	55.2	48.72	39.3	29.53	28.87	41.65	45.13	
1	2015 June	Market Pri 4 PM Mkt	35.96	34.27	34.95	44.58	43.31	29.35	29.35	40.5	42.47	42.53	43.35	41.95	30.67	32.18	52.77	42.23	39.25	41.36	37.83	28.72	28.92	47.07	59.52	55.67	47.4	39.37	29.74	29.08	42.48	45.17	
1	2015 June	Market Pri 5 PM Mkt	36	34.31	35.67	45.42	42.82	29.68	29.53	40.81	41.28	42.65	43.76	41.9	30.93	32.58	53.17	42.21	39.15	44.66	37.63	28.86	29.35	47.83	60.02	54.98	45.54	39.85	29.56	29.35	42.76	45.6	
1	2015 June	Market Pri 6 PM Mkt	35.76	34.31	35.29	44.8	41.78	29.91	29.35	40.44	41.12	42.17	42.84	41.93	31.04	32.45	51.41	42.02	40.45	43.46	37.1	28.41	29.35	46.81	56.83	52.42	43.11	39.39	29.56	29.35	43.01	45.78	
1	2015 June	Market Pri 7 PM Mkt	34.43	34.31	34.54	44.56	40.4	29.35	29.35	40.08	39.83	41.82	41.98	40.81	30.57	32.47	48.25	41.3	39.17	42.22	36.74	27.68	29.35	46.2	50.31	47.29	41.29	36.41	29.35	28.82	41.38	44.38	
1	2015 June	Market Pri 8 PM Mkt	34.09	34.18	33.98	42.09	39.25	29.45	29.35	38.72	38.19	40.63	39.71	39.06	29.91	31.79	44.98	39.97	38.67	40.4	34.95	27.19	29.35	43.89	46.09	44.06	39.61	35.51	29.35	27.19	39.88	41.98	
1	2015 June	Market Pri 9 PM Mkt	34.71	33.45	34.07	41.73	36.22	29.35	29.35	37.76	38.37	39.34	39.14	37.85	30.1	31.05	42.69	36.22	36.83	39.08	34.31	28.49	29.08	42.25	43.76	41.87	37.69	34.71	29.25	27.19	38.85	40.62	
1	2015 June	Market Pri 10 PM Mkt	33.45	33.45	33.98	41.49	36.22	29.34	27.83	37.36	37.27	38.16	38.7	36.73	30.01	31.17	42.61	36.22	36.51	38.67	33.73	27.99	29.42	41.71	43.16	40.93	36.94	34.65	29.09	29.09	37.85	39.78	
1	2015 June	Market Pri 11 PM Mkt	27.19	27.19	28.81	31.13	28.72	27.18	27.15	29.35	29.35	29.35	29.82	29.74	29.08	30.56	31.05	29.88	29.35	30.1	28.84	27.06	28.73	30.67	31.79	30.67	30.1	29.24	27.15	27.15	28.11	29.5	
1	2015 June	Market Pri Midnight k	24.64	24.64	27.06	29.87	27.18	24.64	25.95	27.19	27.15	27.43	28.72	27.46	27.41	29.24	29.73	27.19	27.19	28.72	27.15	24.76	27.06	29.35	29.89	28.87	27.15	27.15	25.82	24.84	28.04	28.04	
1	2015 July	Market Pri 1 AM Mkt	26.27	26.25	28.31	27.56	28.34	29.29	26.3	29.29	26.3	27.67	27.17	27.51	27.89	26.59	27.87	29.31	26.25	26.16	23.84	26.25	26.25	27.18	28.16	28.39	27.86	27.41	26.25	26.25	27.18	29.04	29.1
1	2015 July	Market Pri 2 AM Mkt	26.13	25.47	26.25	26.26	26.69	28.85	26.25	28.85	26.25	26.25	26.16	26.25	26.25	26.3	26.27	28.39	26.25	23.66	23.29	23.84	26.16	26.25	26.26	27.97	26.25	26.25	23.84	26.16	26.25	26.77	28.34
1	2015 July	Market Pri 3 AM Mkt	23.83	23.64	25.81	23.84	25.79	28.31	23.84	28.31	23.84	25.88	23.84	25.47	25.47	26.34	26.14	26.57	25.47	23.29	23.21	23.64	23.84	24.95	26.24	26.3	26.25	26.25	23.64	23.84	24.95	26.86	26.87
1	2015 July	Market Pri 4 AM Mkt	23.45	23.45	25.75	23.84	24.96	27.03	23.64	27.03	23.64	25.47	23.64	25.47	24.7	26.25	26.25	27.5	23.84	23.29	22.45	23.53	23.75	25.74	25.91	26.22	26.16	25.47	23.53	23.75	25.74	26.22	26.06
1	2015 July	Market Pri 5 AM Mkt	23.29	23.64	25.47	23.64	25.34	27.11	23.84	27.11	23.84	25.47	23.52	23.84	25.47	26.25	26.25	28.05	23.84	23.29	22.27	21.64	23.84	25.99	25.47	26.25	26.09	23.84	23.64	23.84	25.99	26.77	26.85
1	2015 July	Market Pri 6 AM Mkt	23.29	25.27	25.62	23.64	24.97	28.31	26.23	28.31	26.21	26.18	23.64	23.83	26.25	26.77	26.16	28.39	26.24	23.29	22.27	23.78	25.58	26.25	26.25	26.27	26.16	23.84	23.78	25.59	26.25	26.86	26.86
1	2015 July	Market Pri 7 AM Mkt	28.23	23.84	32.86	23.68	24.81	36.78	32.83	36.78	32.83	33.9	23.64	23.84	33.9	34.76	35.52	37.16	33.16	23.45	21.87	32.99	33.11	33.9	34.55	35.26	26.16	23.84	32.99	33.11	33.9	29.34	29.21
1	2015 July	Market Pri 8 AM Mkt	29.5	25.18	34.88	23.84	26.15	39.29	33.9	39.29	33.9	34.55	25.97	25.46	35.16	36.7	37.83	39.56	33.87	23.64	22.45	33.9	34.76	35.6	36.7	37.2	26.1	25.47	33.9	34.76	35.6	31.48	31.18
1	2015 July	Market Pri 9 AM Mkt	31.62	26.25	36.89	26.63	26.87	40.92	36.36	40.92	36.36	35.95	26.3	26.25	37.43	39.08	40.03	42.12	35.95	26.25	23.52	36.4	36.49	37.57	39.25	40.14	27.14	26.27	36.4	36.49	37.57	33.88	33.68
1	2015 July	Market Pri 10 AM Mkt	33.88	27.54	40.45	28.58	28.97	40.93	39.34	40.93	39.34	37.16	28.08	27.34	40.64	42.33	42.39	44	36.89	26.3	26.16	38.05	38.84	39.98	41.67	42.49	28.75	28.28	38.05	38.84	39.98	36.64	36.23
1	2015 July	Market Pri 11 AM Mkt	34.37	28.97	41.18	30.16	30.58	43.83	41.34	43.85	41.34	39.24	28.01	28.62	44	43.97	44.66	45.57	40.5	26.3	26.25	40.78	41.25	42.67	44.25	43.63	29.52	28.93	40.78	41.25	42.67	39.62	39.34
1	2015 July	Market Pri Noon Mkt	35.23	29.81	45.51	31.29	32.5	46.49	42.96	46.49	42.96	41.11	29.52	29.7	46.58	45.6	48.22	48.08	40.85	28.93	26.98	42.41	42.9	43.85	46.04	45.75	30.11	30.11	42.41	42.9	43.85	45.44	42.19
1	2015 July	Market Pri 1 PM Mkt	35.95	30.81	46.99	32.5	33.97	48.26	44.57	48.26	44.57	41	29.74	30.57	48.06	47.18	50.67	51.57	42	29.18	28.39	44.25	43.99	44.93	47.54	47.93	30.93	31.13	44.25	43.99	44.93	53.01	47.84
1	2015 July	Market Pri 2 PM Mkt	37.82	31.16	48.7	33.39	34.14	49.76	45.19	49.76	45.19	42.89	30.15	30.97	52.78	50.81	55.7	57.6	42.14	29.07	29.1	45.46	45.01	47.05	52.92	51.21	31.86	31.74	45.46	45.01	47.05	59.82	54.09
1	2015 July	Market Pri 3 PM Mkt	38.68	31.33	50.3	33.88	34.79	50.34	46.38	50.34	46.38	42.43	30.63	31.42	55.27	53.48	60.21	58.94	43.38	29.33	29.33	46.4	46.2	47.85	56.5	53.01	32.13	31.87	46.4	46.2	47.85	62.85	57.33
1	2015 July	Market Pri 4 PM Mkt	39.63	31.59	51.1	34.13	35.47	50.68	47.3	50.68	47.3	43.59	30.71	31.51	57.94	55.89	62.72	57.37	44.3	29.45	29.52	47.2	46.2	50.06	56.75	54.3	32.41	32.49	47.2	46.2	50.06	65.28	58.81
1	2015 July	Market Pri 5 PM Mkt	39.72	31.68	52.37	34.28	35.97	51.42	47.03	51.42	47.03	43.06	31.12	31.6	59.24	53.73	66.01	56.71	44.13	29.81	30.11	46.88	46.37	50.76	57.92	54.15	33.05	32.41	46.88	46.37	50.76	65.73	59.65
1	2015 July	Market Pri 6 PM Mkt	39.95	31.15	51.7	34.33	36.13	51.22	46.32	51.22	46.32	42.91	31.86	31.93	57.08	52.02	65.58	54.37	43.1	29.81	30.11	46.75	45.4	50.3	55.66	52.17	33.03	32.96	46.75	45.4	50.3	65.08	54.48
1	2015 July	Market Pri 7 PM Mkt	36.74	31.16	48.3	34.34	35.93	47.25	45.61	47.25	45.61	41.83	31.51	31.87	52.65	49.06	59.76	51.23	41.14	29.75	30.11	45.48	45.01	48.06	52.04	48.2	32.41	33.06	45.48	45.01	48.06	59.99	51.02
1	2015 July	Market Pri 8 PM Mkt	37.37	30.68	47.03	34.08	35.48	44.84	43.51	44.84	43.51	40.11	30.68	30.97	48.75	46.62	56.18	46.13	40.71	29.64	29.3	43.71	43.78	47.07	48.08	45.31	31.51	31.91	43.71	43.78	47.07	51.79	45.09
1	2015 July	Market Pri 9 PM Mkt	37.16	30.13	45.7	33.48	34.8	41.44	40.85	41.44	40.85	39.22	30.18	30.77	46.82	45.53	53.46	44.34	37.92	29.36	29.42	42.5	42.79	47.23	47.15	44.34	31.32	31.93	42.5	42.79	47.21	47.63	41.37
1	2015 July	Market Pri 10 PM Mkt	36.46	29.83	44.57	33	34.34	40.93	41.05	40.93	41.05	38.25	30.11	30.54	45.28	44.82	50.75	43.37	37.82	29.1	29.46	41.11	42.19	46.15	46.11	44.06	30.6	31.51	41.11	42.19	46.15	42.82	39.2
1	2015 July	Market Pri 11 PM Mkt	28.33	31.25	30.9	31.4	33.79	30.35	29.66	30.35	29.66	29.1	29.43	30.11	31.51	31.51	33.38	30.71	28.99	28.1	28.39	29.28	29.82	31.21	31.8	30.83	30.11	30.72	29.28	29.82	31.23	32.81	31.58
1	2015 July	Market Pri Midnight k	26.83	29	29.11	29.15	31.12	28.39	27.65	28.39	27.65	26.96	28.39	28.31	29.33	29.27	30.76	29.27	26.27	26.25	26.79	27.3	28.39	29.27	29.52	29.33	28.39	28.87	27.3	28.39	29.27	30.76	29.78
1	2015 August	Market Pri 1 AM Mkt	27.01	26.99	24.29	26.98	29.17	30.12	30.12	27.13	26.89	28.64	26.98	27.93	29.17	26.98	24.49	24.29	27	26.98	28.36	29.49	29.65	27.1	26.17	24.29	26.98	29.17	26.98	26.29	23.92	24.43	24.76
1	2015 August	Market Pri 2 AM Mkt	27.01	26.4	23.92	26.87	26.98	29.48	29.48	26.98	26.89	27.08	24.49	26.87	27.01	26.89	24.09	23.83	26.89	26.98	26.98	28.54	28.66	26.98	24.29	23.92	26.87	26.98	27.01	24.29	23.06	24.43	24.43
1	2015 August	Market Pri 3 AM Mkt	26.34	24.44	23.92	24.43	26.69	27.07	27.07	26.34	24.49	26.98	24.29	24.83	27.01	26.89	23.91	22.98	26.18	26.34	26.98	27.01	27.22	27	23.92	23.92	24.43	26.68	26.98	23.92	22.9	24.17	24.17
1	2015 August	Market Pri 4 AM Mkt	24.49	24.29	23.92	24.29	26.34	27.01	27.01	24.49	24.17	26.89	24.09	26.17	26.98	26.18	23.83	22.9	24.49	26.17	26.98	27.34	27.01	26.98	23.9	23.92	24.29	26.34	26.96	23.92	22.51	23.92	24.31
1	2015 August	Market Pri 5 AM Mkt	24.44	24.25	23.92	24.29	26.33	27.01	27.01	24.49	23.95	26.89	24.22	26.17	26.98	26.89	23.06	22.9	26.18	25.97	26.98	27.48	26.98	26.58	23.46	23.92	24.29	26.33	26.93	23.92	22.51	23.49	23.07
1	2015 August	Market Pri 6 AM Mkt	24.29	24.18	24.29	26.89	26.98	27.01	27.01	24.34	23.92	27.01	26.17	26.96	27.49	26.98	23.75	23.02	26.89	26.98	27.01	27.47	27.62	26.89	23.06	24.29	26.89	26.98	27.01	24.29	22.51	23.49	23.75
1	2015 August	Market Pri 7 AM Mkt	24.49	24.29	30.81	31.45	32.73	34.07	34.07	24.49	23.96	32.07	31.52	32.07	32.69	32.07	23.83	23.06	32.07	32.58	32.67	34.21	33.74	26.98	23.83	30.81	31.45	32.73	32.67	29.7	22.71	23.9	24.1
1	2015 August	Market Pri 8 AM Mkt	26.17	24.42	31.41	33.33	34.07	35.14	35.14	26.34	24.09	33.33	32.07	33.34	34.41	33.28	23.91	23.06	32.88	33.03	34.21	35.35	35.14	26.98	23.91	31.41	33.33	34.07	34.08	31.38	23.06	24.31	24.17
1	2015 August	Market Pri 9 AM Mkt	26.98	26.89	32.88	34.38	35.62	37.4	37.4	26.89	26.89	35.82	33.54	34.72	36.3	34.21	24.1	23.92	33.74	33.83	35.59	37.29	38.79	26.98	24.29	32.88	34.38	35.62	35.06	31.58	23.92	24.52	24.22
1	2015 August	Market Pri 10 AM Mkt	27.01	26.98	35.01	36.99	38.81	41.84	41.84	29.17	28.35	36.67	34.72	37.59	39.07	35.89	24.49	24.49	35.28	33.72	38.88	40.2	41.25	29.15	26.89	35.01	36.99	38.81	34.88	32.81	24.29	25.02	24.9
1	2015 August	Market Pri 11 AM Mkt	29.89	29.68	37.24	40.36	42.35	45.06	45.06	30.38	29.72	41.99	37.25	40.36	43.51	38.9	26.89	26.93	38.96	38.13	41.06	42.58	44.24	30.52	26.98	37.24	40.36	42.35	35.9	34.27	24.51	26.18	26.14
1	2015 August	Market Pri Noon Mkt	31.12	30.3	38.66	43.39	44.94	47.26	47.26	31.58	30.78	44.49	39.63	44.06	46.22	41.31	26.89	27.32	40.32	39.42	44.62	45.45	47.64	31.73	27	38.66	43.39	44.94	38.94	35.26	26.89	26.37	26.81
1	2015 August	Market Pri 1 PM Mkt	32.33	31.12	41.97	45.53	48.89	52.99	52.99	32.95	32.18	47.45	41.06	46.29	50.54	41.16	27.01	29.91	40.89	41.46	46.51	48.81	51.82	31.83	30.43	41.97	45.53	48.89	41.57	36.04	27	26.97	27.21
1	2015 August	Market Pri 2 PM Mkt	32.95	31.58	43.89	49.3	54.03	59.18	59.18	33.4	33.89	51.44	43.75	50.1	56.11	45.66	28.04	30.15	41.99	43.41	49.58	54.19	54.85	31.82	29.91	43.89	49.3	54.03	42.06	36.37	26.98	27.04	27.4
1	2015 August	Market Pri 3 PM Mkt	34.46	32.38	45.19	52.28	56.52	65.27	65.27	34.3	34.85	58.1	46.61	54.98	61.75	47.36	29.42	30.52	42.01	45.21	52.94	56.87	56.62	32.38	30.51	45.19	52.28	56.52	41.96	37.63	29.17	27.04	27.2
1	2015 August	Market Pri 4 PM Mkt	34.6	32.95	47.41	54.4	57.93	70	70	34.93	35.34	60.6	49.16	60.6	65.95	48.7	29.72	30.58	42.56	46.22	58.79	59.39	57.22	32.75	31.12	47.41	54.4	57.93	42.17	38.57	29.72	27.32	27.87
1	2015 August	Market Pri 5 PM Mkt	33.87	33.47	49.37	54.66	60.58	69.24	69.24	35.35	35.48	62.48	50.14	62.46	65.25	48.68	30	31.12	42.76	45.97	61.5	61.77	57.03	32.95	31.12	49.37	54.66	60.58	42.69	37.64	29.72	27.48	27.4
1	2015 August	Market Pri 6 PM Mkt	34.49	33.41	48.93	53.25	57.2	62.26	62.26	35.28	36.58	59.85	48.43	61	61.76	47.05	30.15	31.12	41.86	44.8	60.54	60.43	54.82	32.6	31.45	48.93	53.25	57.2	42.26	37.71	29.72	27.64	27.96
1	2015 August	Market Pri 7 PM Mkt	32.4	33.06	46.97	51.28	52.09	54.93	54.93	35.02	35.4	52.5	45.94	55.84	52.36	44.08	29.91	31.12	41.23	42.66	54.1	52.15	50.97	31.81	31.18	46.97	51.28	52.09	40.08	35.89	29.72	27.55	27.96
1	2015 August	Market Pri 8 PM Mkt	31.81	32.83	43.97	48.96	49.53	48.73	48.73	34.12	35.07	47.27	44.68	50.94	47.36	41.46	29.17	30.77	40.43	42.04	48.74	50.05	48.99	31.58	30.71	43.97	48.96	49.53	38.73	34.5	28.54	27.04	27.36
1	2015 August	Market Pri 9 PM Mkt	31.73	32.69	44.69	48.13	48.12	46.36	46.36	33.6	34.89	45.64	43.9	47.75	46	38.9	29.17	30.71	40.35	41.8	48.05	48.71	47.07	31.18	30.52	44.69	48.13	48.12	38.77	34.06	28.96	26.97	27.75
1	2015 August	Market Pri 10 PM Mkt	31.13	32.24	41.38	43.94	44.22	41.89	41.89	32.7	34.03	44.39	41.73	45.87	41.63	37.87	29.17	30.32	38.09	40.26	44.74	46.11	45.59	30.52	29.91	41.38	43.94	44.22	36.44	33.07	26.98	26.88	27.3
1	2015 August	Market Pri 11 PM Mkt	29.91	30.4	30.52	31.58	31.81	32.36	32.26	30.72	31.58	31.18	30.72	32.67	31.71	29.72	26.76	29.72	30.41	30.75	32.41	32.9	31.81	29.6	27	30.52	31.58	31.81	27.65	26.98	26.25	26.37	27.03
1	2015 August	Market Pri Midnight k	28.54	29.17	28.54	29.72	29.72	30.41	30.41	29.2	29.56	29.44	29.17	30.42	30.52	26.99	24.49	28.54	29.17	29.77	30.32	30.32	30.32	27.01	26.89	28.54	29.72	29.72	27.01	24.49	24.29	25.35	26.37
1	2015 September	Market Pri 1 AM Mkt	23.45	24.98	25.2	25.2	25.32	24.35	24.21	24.57	23.01	23.01	23.42	23.01	22.49	22.9	23.01	23.11	23.37	21.68	23.64	23.19	23.81	24.84	24.61	21.77	23.01	23.01	22.83	23.01	25.32	25.49	
1	2015 September	Market Pri 2 AM Mkt	23.23	24.4	24.84	24.84	24.77	23.18	23.22	23.83	23	22.96	23.01	22.91	22.28	22.56	23.01	23.01	23.01	23.37	23.36	23.01	23.43	24.04	23.39	23.1	23.01	22.9	22.26	22.95	24.98	25.4	
1	2015 September	Market Pri 3 AM Mkt	23.01	23.52	24.31	24.58	24.31	23.42	23.18	23.54	22.9	22.71	23	22.65	21.96	22.26	22.55	23.01	23.01	23.01	23.01	23.01	23.43	21.26	23.18	23.01	23.01	22.77	21.99	22.71	24.98	24.98	
1	2015 September	Market Pri 4 AM Mkt	23.01	23.11	23.79	24.42	23.86	23.21	23.01	23.24	22.97	22.91	22.94	22.48	21.18	22.48	22.56	23.01	23.01	23.03	23.01	22.82	23.01	23.23	23.41	23.01	22.98	22.26	21.72	22.62	24.93	24.98	
1	2015 September	Market Pri 5 AM Mkt	23.01	23.3	23.61	24.31	23.36	23.01	23.24	23.43	22.9	22.96	22.97	22.43	21.47	22.68	22.46	23.01	23.01	23.01	22.92	22.48	23.01	23.2	23.43	23.03	22.96	22.25	21.57	22.96	24.98	24.98	
1	2015 September	Market Pri 6 AM Mkt	23.21	24.8	24.82	25.25	23.39	23.21	23.18	24.04	23.01	23.01	23.2	22.57	21.61	23.01	23.01	23.01	23.01	23.23	23.01	22.48	23.29	23.85	23.44	23.6	23.01	22.67	21.99	23.01	25.35	25.6	
1	2015 September	Market Pri 7 AM Mkt	34.16	34.86	35.36	35.77	23.83	23.26	35.13	34.79	33.66	33.51	34.1	22.69	22.02	33.46	33.46	34.1	34.16	34.31	23.01	22.9	34.31	34.86	34.86	34.42	33.46	22.9	22.26	33.46	33.59	33.56	
1	2015 September	Market Pri 8 AM Mkt	34.79	35.77	36.11	36.18	24.75	23.3	35.12	34.86	34.11	34.1	34.31	22.92	22.48	34.1	34.16	34.76	34.83	34.86	23.01	22.96	34.31	35.45	35.77	34.86	34.1	22.9	22.7	34.31	34.04	34.5	
1	2015 September	Market Pri 9 AM Mkt	34.84	35.77	36.06	36.5	24.84	23.39	35.36	35.31	34.24	34.16	34.84	23.01	22.9	34.13	34.16	34.83	34.86	34.86	23.27	23.01	34.86	35.77	35.77	34.88	34.1	23.01	22.7	34.31	34.27	34.39	
1	2015 September	Market Pri 10 AM Mkt	35.77	36.5	36.94	37.14	25.32	24.42	36.25	35.61	34.87	34.83	34.86	23.21	22.96	34.36	34.57	35.07	35.41	35.61	24.57	23.67	35.76	36.06	36.23	35.45	34.69	23.01	23.01	34.77	34.05	34.47	
1	2015 September	Market Pri 11 AM Mkt	36.5	38.09	38.37	39.37	25.64	25.12	36.52	35.77	34.86	35.36	35.36	24.01	23.01	34.31	34.87	36.2	36.06	35.86	25.14	24.72	36.23	36.5	36.4	35.77	35.36	23.06	23.01	34.89	34.48	34.56	
1	2015 September	Market Pri Noon Mkt	37.77	39.58	38.67	40.38	26.04	25.37	36.79	35.77	35.36	35.45	35.77	24.31	23.01	34.86	35.07	36.4	36.23	36.39	25.74	25.22	36.48	37.14	36.5	36.23	35.76	24.24	23.01	34.86	34.44	34.6	
1	2015 September	Market Pri 1 PM Mkt	39.65	39.89	40.16	40.87	26.48	25.75	37.01	35.77	35.77	35.32	35.77	24.77	23.01	34.84	35.77	36.58	36.5	36.58	25.99	25.74	37.14	39.58	37.53	35.77	35.34	23.96	23.9	35.36	34.38	34.59	
1	2015 September	Market Pri 2 PM Mkt	40.74	42.07	41.38	41.44	26.57	25.95	39.14	36.23	35.77	35.77	35.86	24.73	23.26	34.87	36.06	36.96	37.14	37.51	25.84	25.88	39.13	40.88	37.52	36.05	35.76	24.44	24.35	35.77	34.42	34.47	
1	2015 September	Market Pri 3 PM Mkt	42.18	42.82	42.21	41.71	26.57	25.83	40.71	36.29	35.77	36.06	36.06	24.41	23.45	34.86	36.23	37.16	37.54	38.84	26.04	26.04	40.38	41.42	37.71	36.06	35.77	24.58	24.75	35.76	34.53	34.56	
1	2015 September	Market Pri 4 PM Mkt	42.42	44.15	42.28	42.19	26.9	26.04	40.7	36.5	35.83	36.23	36.06	24.69	23.76	35.24	36.5	37.61	38.97	39.13	26.04	25.88	40.9	42.09	37.63	36	35.77	24.84	24.35	35.76	34.56	34.94	
1	2015 September	Market Pri 5 PM Mkt	42.67	44.42	42.01	41.71	26.9	26.26	41.01	36.5	35.77	36.4	35.87	24.73	23.76	34.9	36.5	37.89	38.56	39.54	26.04	25.9	41.01	40.82	37.28	35.77	35.77	24.84	24.84	35.77	34.56	34.94	
1	2015 September	Market Pri 6 PM Mkt	42.12	44.17	42.1	41.36	26.9	26.52	40.71	36.5	35.77	36.46	35.77	24.11	23.8	35.07	36.69	37.63	38.09	39.35	25.95	26.04	41.22	40.74	37.14	35.85	35.36	24.84	24.84	35.77	35.09	34.81	
1	2015 September	Market Pri 7 PM Mkt	42.03	42.58	41.22	40.96	26.57	25.88	39.45	35.77	35.77	36.23	35.36	24.31	24.11	35.07	36.49	37.16	37.14	38.06	25.94	25.88	40.72	40.57	36.68	35.77	34.86	24.58	24.84	35.77	34.85	34.94	
1	2015 September	Market Pri 8 PM Mkt	40.56	42.07	40.86	40.03	26.29	26.04	37.95	35.53	35.48	36.13	35.33	24.31	24.39	35.45	36.65	37.14	37.61	37.14	26.02	26.04	40.69	40.68	36.48	36.06	34.9	24.71	25.14	35.83	34.56	34.6	
1	2015 September	Market Pri 9 PM Mkt	40.38	41.68	40.98	40.38	26.32	25.88	39.07	35.77	35.77	36.23	35.35	24.62	24.39	35.77	36.5	36.97	37.16	36.66	25.84	26.04	40.19	39.87	36.5	35.83	34.86	24.78	25.32	35.83	35.09	35.06	
1	2015 September	Market Pri 10 PM Mkt	39.13	40.1	40.1	39.19	26	26.04	37.44	35.45	35.36	35.77	35.07	24.24	23.39	34.86	35.77	34.48	36.5	36.23	25.74	25.74	37.14	37.63	36.06	34.98	34.31	24.31	24.78	35.36	34.4	34.56	
1	2015 September	Market Pri 11 PM Mkt	26.26	26.57	25.98	26.04	25.64	25.37	25.93	25.12	25	24.88	24.31	22.99	23.01	24.58	25.32	25.45	25.32	25.33	25.2	25.32	25.73	25.81	25.47	24.84	24.24	23.01	24.31	24.04	27.5	27.66	
1	2015 September	Market Pri Midnight k	25.32	25.47	25.47	25.47	24.98	25.16	25.32	24.59	23.68	23.56	23.01	22.68	23.01	23.61	24.05	24.84	24.84	24.84	24.31	24.72	25.47	25.12	24.65	23.11	23.35	23.01	23.01	23.36	26.65	26.58	
1	2015 October	Market Pri 1 AM Mkt	25.58	27.34	27.66	26.8	27.36	27.36	25.42	25.42	25.37	25.42	25.17	25.42	25.42	25.76	25.93	25.75	25.42	25.17	25.42	25.42	25.62	25.42	25.42	25.42	25.42	25.44	25.83	25.76	25.42	26.13	26.35
1	2015 October	Market Pri 2 AM Mkt	25.69	26.46	26.49	25.98	26.38	26.51	25.42	25.42	25.42	25.42	24.51	25.17	25.42	25.41	25.75	25.71	25.34	25.07	25.17	25.42	25.47	25.42	25.42	25.32	25.17	25.42	25.42	25.42	25.42	25.96	25.96
1	2015 October	Market Pri 3 AM Mkt	25.42	25.91	25.97	25.71	25.93	25.93	25.42	25.21	25.27	25.17	24.24	25.17	25.27	25.42	25.49	25.43	25.17	24.24	25.17	25.42	25.42	25.42	25.42	25.17	25.02	25.42	25.42	25.42	25.42	25.96	25.96
1	2015 October	Market Pri 4 AM Mkt	25.42	25.78	25.72	25.42	25.98	25.93	25.42	25.32	25.17	25.17	23.79	25.15	25.42	25.38	25.7	25.42	25.17	23.57	25.17	25.42	25.32	25.42	25.26	25.17	25.01	25.72	25.42	25.42	25.42	25.96	26.28
1	2015 October	Market Pri 5 AM Mkt	25.42	25.8	25.74	25.42	26.05	25.73	25.42	25.42	25.25	25.17	23.4	25.17	25.42	25.42	25.42	25.3	25.17	23.49	25.25	25.42	25.42	25.42	25.42	25.17	24.47	26	25.99	25.88	25.42	26.51	25.96
1	2015 October	Market Pri 6 AM Mkt	25.73	26.38	25.81	25.35	26.55	27.04	25.42	25.42	25.42	25.42	24.6	25.42	25.6	25.42	25.81	25.73	25.17	24.05	25.29	25.42	25.83	25.83	25.42	25.42	24.98	27.35	27.11	26.77	25.82	27.04	25.96
1	2015 October	Market Pri 7 AM Mkt	34.87	35.14	25.97	25.32	35.56	35.22	34.15	34.22	34.18	25.34	25.17	34.18	34.22	34.22	34.87	34.22	25.42	25.17	34.22	34.22	34.22	35.09	34.22	25.32	25.42	35.53	35.68	35.45	34.88	35.57	26.23
1	2015 October	Market Pri 8 AM Mkt	35.55	35.52	26.17	25.65	35.68	35.68	34.87	35.04	34.77	25.67	25.17	35.36	34.88	34.88	35.55	34.88	25.42	25.17	35.55	35.15	35.2	35.49	34.84	25.42	25.42	36.22	35.52	35.62	35.2	36.48	27.05
1	2015 October	Market Pri 9 AM Mkt	35.62	35.68	27.13	26	35.68	35.68	35.07	35.19	34.7	26.14	25.42	35.2	35.15	35.14	35.44	34.89	25.42	25.42	35.38	35.36	35.15	35.51	34.87	25.77	25.8	36.22	35.62	35.68	35.4	36.18	27.79
1	2015 October	Market Pri 10 AM Mkt	35.68	35.68	27.9	27.16	35.94	35.62	35.49	35.29	35.38	26.18	25.42	35.52	35.15	35.38	35.68	35.15	25.82	25.42	35.14	35.32	35.24	35.5	35.2	26.79	25.89	35.68	35.6	35.36	35.37	35.67	28.17
1	2015 October	Market Pri 11 AM Mkt	35.68	35.72	28.17	28.03	36.49	35.61	34.87	35.44	35.34	26.63	25.42	35.14	35.44	35.47	35.62	35.1	26.06	25.42	35.68	35.15	35.32	35.68	35.15	27.18	25.52	35.68	35.68	35.2	35.58	36.04	28.17
1	2015 October	Market Pri Noon Mkt	36.36	35.68	28.62	28.6	36.59	35.68	35.45	35.62	34.84	26.04	25.42	35.15	35.5	35.25	35.68	35.14	26.65	25.42	35.58	35.38	34.88	35.53	35.15	27.36	25.93	35.52	35.22	35.12	35.55	35.57	27.94
1	2015 October	Market Pri 1 PM Mkt	36.49	36.08	28.73	28.56	38.15	35.72	35.36	35.45	34.79	25.58	25.42	35.29	35.58	35.16	35.62	35.03	26.67	25.49	35.68	35.24	35.28	35.25	35.1	27	25.5	35.68	35.12	35.19	35.12	35.22	27.51
1	2015 October	Market Pri 2 PM Mkt	36.59	36.49	28.79	28.57	39.29	35.94	35.44	35.16	34.79	25.86	25.74	35.52	35.46	35.23	35.98	35.47	26.06	25.81	35.58	35.38	35.21	35.36	35.1	25.58	25.83	35.62	35.22	34.87	35.44	34.93	27.24
1	2015 October	Market Pri 3 PM Mkt	36.59	36.59	29.2	29.04	39.4	35.94	35.16	35.37	34.34	25.42	25.58	35.52	35.32	35.68	35.58	34.87	25.83	25.93	35.51	35.15	35.18	35.37	34.83	26.18	25.42	35.01	35.18	34.79	35.15	34.68	27.26
1	2015 October	Market Pri 4 PM Mkt	36.59	36.59	29.24	29.2	40.26	36.03	34.99	34.87	34.22	25.42	25.55	35.52	35.4	35.62	35.63	35.02	26.31	26.18	35.28	34.9	35.19	35.04	34.79	26.01	25.42	35	34.51	34.87	35.39	33.91	26.85
1	2015 October	Market Pri 5 PM Mkt	37.06	37.12	29.2	29.2	40.27	35.68	35.18	34.79	34.22	25.7	25.97	35.68	35.16	35.52	35.61	34.84	26.21	26	35.51	34.88	35.18	35.15	34.52	25.98	25.42	35.45	34.79	34.87	35.12	34.27	27.21
1	2015 October	Market Pri 6 PM Mkt	36.72	36.97	29.2	29.2	39.85	35.68	35.08	35.35	34.22	25.84	26.33	35.68	35.55	35.35	35.62	34.72	26.05	26.68	35.55	35.2	35.4	35.4	34.92	26.56	25.71	35.55	35.31	34.87	35.37	33.91	27.37
1	2015 October	Market Pri 7 PM Mkt	36.59	36.49	29.2	29.2	38.37	35.68	35.07	35.4	34.22	25.97	27.32	35.51	35.52	35.68	35.68	34.87	26.52	26.94	35.6	35.68	35.68	35.61	34.79	27.24	26.58	35.52	35.68	34.87	35.6	34.06	27.94
1	2015 October	Market Pri 8 PM Mkt	36.59	36.49	29.2	29.2	38.92	35.68	35.51	35.62	34.52	26.36	27.36	35.68	35.72	35.68	36.06	34.87	26.64	27.36	35.62	35.36	35.68	35.68	34.88	27.36	27.53	35.68	35.51	35.42	35.49	35.23	27.94
1	2015 October	Market Pri 9 PM Mkt	36.59	36.49	28.85	29.2	38.21	35.63	35.1	35.52	34.78	26.19	27.36	35.67	35.46	35.68	35.63	34.75	26.52	27.36	35.63	35.46	35.61	35.74	34.83	27.04	27.72	35.5	35.51	35.38	35.58	34.68	27.94
1	2015 October	Market Pri 10 PM Mkt	36.32	36.32	28.53	28.58	36.59	35.57	35.38	35.08	34.22	25.94	26.93	35.52	35.2	35.68	35.61	34.53	26.32	27.08	35.28	34.97	35.62	35.46	34.22	25.88	27.36	35.51	35.18	34.88	35.22	34.55	27.37
1	2015 October	Market Pri 11 PM Mkt	28.59	28.23	28.2	28.57	28.17	27.46	27.36	26.93	26.52	25.42	25.94	27.18	26.99	27.36	27.92	26.81	25.42	25.88	27.14	27.12	27.36	27.03	26.73	25.83	26.52	27.36	27.36	27.36	27.36	27.51	26.42
1	2015 October	Market Pri Midnight k	27.92	27.92	27.98	28	28	26.42	25.89	25.99	25.42	25.42	25.42	25.84	25.86	26.52	26.79	25.84	25.42	25.42	25.6	25.92	25.58	25.9	25.42	25.42	25.52	26.77	26.4	25.52	25.58	27.04	25.96
1	2015 November	Market Pri 1 AM Mkt	24.57	24.57	25.05	25.59	26.45	25.12	24.73	24.57	24.73	24.66	24.57	25.08	25.97	25.86	24.57	24.57	24.57	24.57	24.57	24.57	25.97	25	25.21	25.75	26.3	25.59	27.07	27	25.03	24.28	
1	2015 November	Market Pri 2 AM Mkt	24.57	24.49	24.57	25.45	25.88	25	24.57	24.57	24.57	24.57	24.64	24.87	25.58	25.77	24.57	24.57	24.57	24.57	24.57	24.57	25.86	25.05	25.04	25.75	25.95	25.59	26.25	25.91	23.55	24.41	
1	2015 November	Market Pri 3 AM Mkt	24.57	24.57	24.85	24.87	25.59	24.57	24.65	24.57	24.57	24.57	24.57	24.79	25.59	25.59	24.57	24.57	24.57	24.33	24.57	24.57	25.06	25.12	24.62	25.63	25.59	24.89	26.39	25.62	23.4	23.82	
1	2015 November	Market Pri 4 AM Mkt	24.57	24.53	24.57	25.59	25.91	24.57	24.57	24.58	24.57	24.57	24.57	24.57	25.59	25.59	24.48	24.57	24.57	24.57	24.42	24.57	25.59	25	24.7	25.75	25.82	24.73	26.34	25.64	23.73	23.38	
1	2015 November	Market Pri 5 AM Mkt	24.57	24.57	24.73	25.33	26.45	24.73	24.57	24.57	24.57	24.57	24.57	24.8	25.84	25.59	24.49	24.71	24.57	24.57	24.33	24.54	25.97	25.08	25.37	25.58	26.18	25.3	27	25.9	23.4	24.85	
1	2015 November	Market Pri 6 AM Mkt	24.43	25.96	25.34	26.45	27.07	26.04	24.73	24.73	24.83	24.77	25.02	25.75	27.04	25.59	24.57	25.12	24.94	24.96	24.33	25.58	26.23	25.11	26.06	26.11	28.07	26.62	28.43	26.78	23.4	25.52	
1	2015 November	Market Pri 7 AM Mkt	24.77	34.73	34.87	35.17	35.86	35.08	25.59	24.72	33.93	32.79	33.44	34.73	35.97	26.01	24.76	35.08	33.44	32.05	26.84	32.76	26.28	25.31	35.08	35.08	37.38	33.12	39.42	27.4	23.4	38.35	
1	2015 November	Market Pri 8 AM Mkt	25.04	35.17	35.08	36.53	37.72	35.17	25.58	25.02	35.08	34.38	34.73	35.08	37.86	27.07	24.84	35.08	35.08	34.08	27	33.94	27.04	25.59	35.22	35.7	40.35	33.45	41.15	28.22	23.7	40.18	
1	2015 November	Market Pri 9 AM Mkt	25.21	35.08	35.08	36.35	35.97	35.46	27.07	25.96	35.08	34.48	34.73	35.17	37.52	27.07	25.59	35.63	34.87	34.73	27.03	34.19	27.07	25.96	35.97	35.55	38.99	33.54	40.1	28.76	25.19	40.06	
1	2015 November	Market Pri 10 AM Mkt	24.73	35.08	35.08	35.97	35.97	35.54	27.07	26.45	35.08	34.87	35.08	35.54	37.44	27.07	26.45	35.68	34.74	34.73	28.04	34.3	27.35	26.45	35.97	35.3	38.14	33.45	39.26	28.51	25.19	41.01	
1	2015 November	Market Pri 11 AM Mkt	25.11	35.17	35.17	35.97	35.97	35.17	27.21	26.03	35.08	34.87	35.08	35.97	36.65	27.21	26.33	35.68	34.87	35.08	28.93	34.19	27.61	26.45	36.49	35.51	36.71	33.43	38.18	28.66	25.51	40.64	
1	2015 November	Market Pri Noon Mkt	24.62	35.08	35.08	35.55	35.08	35.17	27	25.58	35.08	34.73	34.73	35.83	35.97	27.29	26	35.17	34.87	34.98	28.85	34.19	27	26.34	36.31	35.17	36.71	33.28	37.51	28.66	25.55	40.36	
1	2015 November	Market Pri 1 PM Mkt	25.22	35.08	35.08	35.17	35.11	35.08	25.58	25.71	35.08	34.19	34.73	35.68	35.68	26.45	25.67	35.08	34.38	34.73	28.31	33.99	26.45	25.94	36.17	35.08	35.97	33.21	35.98	28.66	25.47	40.36	
1	2015 November	Market Pri 2 PM Mkt	24.57	34.87	35.08	35.25	35.08	35	26.17	25.77	35.08	34.45	34.73	35.97	35.6	26.11	25	35.08	34.19	34.73	27.73	32.79	26.45	26.11	35.97	35.08	35.5	32.97	35.97	28.33	25.5	39.8	
1	2015 November	Market Pri 3 PM Mkt	24.57	34.19	35.08	35.17	34.96	34.87	25.59	25	34.19	34.19	35.08	35.68	35.17	25.96	24.73	35.08	34.19	34.49	27.04	32.76	26.14	25.59	35.55	34.74	35.08	32.61	35.55	28.22	25.19	39.39	
1	2015 November	Market Pri 4 PM Mkt	25.11	34.19	34.63	35.08	35.08	33.58	25.59	24.86	34.19	34.19	34.73	35.68	35.08	25.96	25.73	35.08	34.19	34.73	27.13	32.76	25.84	25.95	35.97	34.87	35.17	32.73	35.55	28.39	25.34	39	
1	2015 November	Market Pri 5 PM Mkt	25.31	34.87	35.08	35.53	35.08	34.73	26.13	25.93	34.87	34.19	35.01	35.87	35.08	26.01	25.59	35.08	34.19	35.08	27	33.03	26.45	26.45	37.12	35.08	37.06	33.25	36.96	28.75	25.91	40.06	
1	2015 November	Market Pri 6 PM Mkt	26.45	35.66	35.97	37.15	35.8	35.17	27.07	27.61	35.52	35.17	35.68	39.41	36.14	27.3	27.67	36.41	35.08	35.68	27.73	35.03	27.58	28.22	39.24	36.7	39.04	34.3	39.1	29.02	27.28	43.01	
1	2015 November	Market Pri 7 PM Mkt	27.19	35.97	38.27	38.6	35.97	35.19	27.64	27.31	35.68	35.17	35.97	38.91	37.24	27.61	27.94	35.97	35.08	35.17	28.03	35.08	27.86	28.22	38.59	39.3	38.87	34.91	39.48	29.24	27.42	41.4	
1	2015 November	Market Pri 8 PM Mkt	27.07	35.08	35.97	38.59	35.97	35.08	27.07	27.25	35.08	35.08	35.41	39.31	35.97	27.07	28.22	35.17	35.17	35.08	28.01	34.87	28	28.25	37.82	39.1	38.09	34.3	39.08	28.94	27.14	42.99	
1	2015 November	Market Pri 9 PM Mkt	26.87	35.08	36.52	35.97	35.68	35.08	27.48	27.07	35.08	35.08	35.08	38.72	35.68	27.07	27.84	35.52	34.89	34.45	28.04	34.87	27.21	28.22	36.74	38.33	37.61	34.02	38.35	28.66	26.88	42.18	
1	2015 November	Market Pri 10 PM Mkt	25.88	34.19	35.17	35.68	35.08	34.73	27	26.33	34.19	34.96	34.45	35.97	35.08	26.68	27.07	34.73	34.19	33.58	28.04	34.7	27.21	27.6	35.48	36.71	36.09	34.06	37.47	28.36	25.93	40.41	
1	2015 November	Market Pri 11 PM Mkt	24.57	26.06	27.21	28.1	27.12	27	25.7	24.76	26.45	26.01	26.45	28.08	28.22	25.99	26.45	26.45	26.06	26.08	25.59	27.04	27	26.03	28.22	28.44	28.22	28.94	28.66	27.48	25.7	28.54	
1	2015 November	Market Pri Midnight k	24.66	25.6	26.38	27.07	26.03	25.98	24.73	24.57	24.57	24.73	25.59	26.75	27	24.87	24.73	24.72	25.18	25.36	24.57	26.45	25.59	25.57	26.06	27.57	27	28.22	28.22	27.04	25.17	27.46	
1	2015 December	Market Pri 1 AM Mkt	26.11	25.97	27.5	26.68	25.19	24.81	24.15	24.57	24.73	24.85	25.66	25.68	25.71	26.55	27.8	25.57	25.97	25.39	24.9	23.59	25.32	23.78	24.6	24.55	25.05	24.32	25.1	24.76	23.35	23.35	23.35
1	2015 December	Market Pri 2 AM Mkt	25.95	25.9	27.5	26.02	25.36	24.3	23.58	23.6	24.36	24.35	25	25.39	25.39	25.97	27.5	25.78	25.72	24.58	23.68	23.58	24.72	24.15	23.72	23.73	24.44	24.72	24.74	24.02	22.83	22.83	22.83
1	2015 December	Market Pri 3 AM Mkt	25.9	25.73	27.35	25.97	25.29	24.12	23.58	23.58	24.15	23.93	24.6	25.24	23.94	26.11	27.28	25.68	25.79	24.78	23.58	23.58	24.58	23.97	23.61	24	24.28	24.27	24.6	24.04	21.67	21.67	21.67
1	2015 December	Market Pri 4 AM Mkt	25.9	25.75	27.5	25.9	24.42	24.38	23.58	23.58	24.28	23.58	24.6	25.19	25.39	26.21	27.25	25.36	25.84	24.72	23.58	23.58	24.67	23.35	24.12	23.92	24.07	24.08	24.54	24.12	21.67	21.67	21.67
1	2015 December	Market Pri 5 AM Mkt	26.44	25.97	27.78	26.29	25.27	23.58	24.54	23.79	24.62	24.8	24.92	25	25.39	27.38	27.78	25.71	25.97	21.73	23.58	23.01	24.81	23.35	25.07	24.03	24.28	24.05	24.53	24.45	21.67	21.67	21.67
1	2015 December	Market Pri 6 AM Mkt	27.78	27.5	28.77	27.5	25.39	24.45	25.65	25.02	25.34	25.39	25.73	25.39	25.39	28.46	28.46	26.36	27.5	25.39	23.58	23.86	25.38	23.58	24.65	25.27	25.3	24.2	25.07	25.38	21.67	21.67	21.67
1	2015 December	Market Pri 7 AM Mkt	38.12	37.86	40.77	37.44	25.9	24.46	34.11	33.73	33.73	34.81	35.96	25.56	25.39	39.11	39.65	36.49	36.49	33.73	24.98	23.92	32.89	30.82	25.45	32.89	33.73	24.72	24.75	33.4	28.63	28.63	28.63
1	2015 December	Market Pri 8 AM Mkt	39.47	38.82	41.91	38.27	25.95	25.33	36.17	35.86	35.62	36.49	37.29	26.51	25.55	41.51	41.55	37.01	38.41	35.88	25.39	24.66	33.48	32.89	26.27	33.73	34.06	24.73	25.27	33.73	28.94	28.94	28.94
1	2015 December	Market Pri 9 AM Mkt	38.91	38.52	41.24	38.89	27.09	25.54	36.49	35.46	35.45	36.49	37.12	28.09	26.47	41.25	40.71	36.81	38.41	36.37	25.81	25.25	33.73	32.89	27	33.73	34.9	25.63	25.54	33.73	30.01	30.01	30.01
1	2015 December	Market Pri 10 AM Mkt	38.41	38.41	40.12	38.52	27.78	25.95	36.49	35.46	35.59	36.49	37.14	28.3	27.56	40.63	39.33	36.49	37.55	36.38	25.81	25.39	34.31	32.52	27.39	33.73	35.76	25.9	25.97	33.52	30.4	30.4	30.4
1	2015 December	Market Pri 11 AM Mkt	38.41	38.41	39.48	38.81	27.78	25.97	36.74	35.15	35.71	36.49	37.13	28.58	27.78	41.21	38.41	36.49	37.6	36.49	25.95	25.65	34.31	31.81	27.23	34.73	36.04	26.31	25.97	33.73	30.82	30.82	30.82
1	2015 December	Market Pri Noon Mkt	37.78	38.14	38.22	38.41	27.78	25.97	36.49	34.82	35.88	36.49	36.49	28.74	28.26	39.53	37.98	35.58	36.49	36.37	25.91	25.85	33.67	31.46	26.68	34.74	35.78	26.39	25.65	33.4	31.16	31.16	31.16
1	2015 December	Market Pri 1 PM Mkt	36.74	38.41	37.46	38.12	26.51	25.97	35.88	34.56	35.46	36.49	36.74	28.46	27.78	39.33	36.51	35.98	35.59	35.43	25.52	25.89	33.58	30.83	26.01	34.56	36.1	25.97	25.9	33.4	31.93	31.93	31.93
1	2015 December	Market Pri 2 PM Mkt	36.49	38.41	37.53	37.73	26.19	25.97	35.53	34.31	34.88	36.49	36.49	28.65	28.26	39	36.49	35.75	35.9	34.49	25.39	25.74	32.89	30.31	25.72	34.26	35.95	25.66	25.64	32.89	32.7	32.7	32.7
1	2015 December	Market Pri 3 PM Mkt	36.49	38.41	37.13	37.14	26.3	25.97	35.59	34.56	35.37	36.49	35.59	28.31	27.78	38.46	36.49	35.43	36.2	33.73	25.25	25.66	31.55	29.88	25.65	33.71	34.74	25.9	25.23	32.16	31.95	31.95	31.95
1	2015 December	Market Pri 4 PM Mkt	36.74	39.02	37.36	36.69	26.32	25.95	35.92	34.56	35.59	36.49	35.87	28.36	27.78	38.41	36.49	34.93	35.59	33.73	25.23	25.39	31.49	29.5	25.65	34.31	34.9	25.66	25.39	32.16	32.64	32.64	32.64
1	2015 December	Market Pri 5 PM Mkt	37.5	38.49	38.13	37.04	27.78	26.74	36.81	35.88	36.49	37.8	36.94	28.94	28.29	39.03	37.08	37.07	36.04	35.23	25.48	25.9	32.16	29.91	25.72	35.59	35.78	25.97	25.89	32.15	32.89	32.89	32.89
1	2015 December	Market Pri 6 PM Mkt	39.12	41.44	40.75	38.83	28.81	28.26	38.52	37.88	38.41	38.94	38.5	29.21	29.65	41.65	39.06	38.62	37.85	36.49	26.52	27.78	32.89	30.8	27.39	36.08	36.65	27.79	27.5	33.73	33.44	33.44	33.44
1	2015 December	Market Pri 7 PM Mkt	40.81	42.89	41.47	38.84	28.77	28.26	38.41	38.07	38.56	38.81	38.44	29.31	29.67	43.42	40.24	38.76	38.12	36.49	27.23	28.65	33.73	31.46	27.51	36.49	36.24	28.26	27.78	33.54	33.73	33.73	33.73
1	2015 December	Market Pri 8 PM Mkt	40.02	42.28	41.2	37.55	28.57	28.26	37.46	37.12	38.26	38.94	38.27	29.24	29.52	42.31	39.95	38.41	37.84	35.88	26.68	28.46	33.39	31.94	27.51	35.76	35.78	28.26	27.56	33.4	33.73	33.73	33.73
1	2015 December	Market Pri 9 PM Mkt	39.32	41.24	40.18	37.12	28.74	27.57	36.56	36.49	36.94	38.81	37.84	29.18	29.31	41.62	39.44	38.32	37.64	34.94	25.97	28.26	33.4	32.16	27.51	35.59	35.44	27.78	27.28	33.4	33.42	33.42	33.42
1	2015 December	Market Pri 10 PM Mkt	38.41	38.89	39.06	36.49	27.7	27.08	35.45	35.42	36.49	36.49	36.49	28.26	28.78	40.74	38.41	37.65	36.49	34.27	25.39	27.57	32.89	32.16	27.01	33.73	34.06	27.12	26.04	32.86	33.11	33.11	33.11
1	2015 December	Market Pri 11 PM Mkt	28.51	29.18	28.61	27.82	27.09	25.77	27.09	25.97	27.78	28.26	28.26	27.78	28.46	29.28	28.47	28.26	27.78	25.97	25.39	27.09	25.39	25.89	25.95	25.97	25.66	25.97	25.9	25.39	25.11	25.11	25.11
1	2015 December	Market Pri Midnight k	27.65	28.26	27.78	25.95	25.73	25.07	25.39	25.39	25.64	25.97	27.09	26.42	27.78	28.26	27.28	27.28	26.24	25.39	25.06	25.44	25.02	24.3	25.14	25.39	25.17	25.73	25.29	24.76	24.64	24.64	24.64
1	2016 January	Market Pri 1 AM Mkt	27	24.74	24.48	24.9	27.14	27.23	28.37	28.84	27.63	26.47	26.7	28.56	27.07	25.61	28.59	31.61	29.01	30	43.57	35.41	31.59	27.94	28.56	31.47	34.25	29.58	28.84	29.44	29.87	27.68	28.02
1	2016 January	Market Pri 2 AM Mkt	26.08	24.38	24.38	24.55	26.4	27.08	26.71	27.94	26.45	25.6	25.8	27.42	26.65	25.17	27.32	29.41	28.56	37.5	42.52	35.26	27.23	28.56	27.23	30.45	29.87	34.18	28.27	29.01	29.17	27.07	27.18
1	2016 January	Market Pri 3 AM Mkt	25.69	24.04	24.1	24.48	25.91	26.95	26.03	27.57	25.64	25.37	25.35	27.1	25.98	24.74	27.69	28.84	28.3	37.32	42.06	34.25	28.56	27.65	27.18	30.21	34.73	34.03	27.07	28.45	29.01	26.77	26.94
1	2016 January	Market Pri 4 AM Mkt	25.77	23.86	24.21	24.51	26.25	26.77	26.21	27.92	25.77	25.61	25.61	27.07	25.98	24.74	27.69	29.1	28.5	36.76	42.52	40.32	28.47	28.73	27.2	33.07	31.49	32.96	28.07	29.01	33.58	27.03	27.07
1	2016 January	Market Pri 5 AM Mkt	25.92	23.84	24.13	24.66	26.12	27.18	27	28.39	25.65	25.54	26.36	27.48	26.61	25.25	28.84	29.56	29.01	36.28	46.77	34.87	27.87	28.3	27.22	35.89	35.26	34.73	28.84	28.73	31.77	27	27.2
1	2016 January	Market Pri 6 AM Mkt	27.69	24.04	24.42	25.53	27.23	28.3	29.01	32.05	26.26	26.14	27.97	29.01	28.04	26.15	34.04	31.4	30.53	42.89	47.87	41.67	34.75	36.94	27.23	37.96	42.52	35.74	28.56	33.17	35.26	27.05	27.69
1	2016 January	Market Pri 7 AM Mkt	30.11	24.48	24.93	25.52	24.55	33.05	28.97	36.32	26.93	26.66	28.55	28.55	26.54	28.18	39.06	34.44	34.25	40.41	50.56	45.7	39.04	41.36	27.3	40.92	45.6	43.02	36.62	41.2	45.52	27.35	28.06
1	2016 January	Market Pri 8 AM Mkt	33.93	24.58	24.99	24.32	36.31	36.32	32.69	39.33	28.76	27.23	35.44	34.78	29.39	28.55	39.42	43.46	37.12	42.6	53.5	46.7	39.8	42.79	29.01	35.62	47.43	45.84	41.2	45.46	47.43	28.84	28.56
1	2016 January	Market Pri 9 AM Mkt	34.46	24.74	25.54	24.96	35.44	36.32	35.44	39.45	32.12	28.84	36.32	35.44	35.44	30.04	39.45	43.74	41.35	42.89	52.61	46.73	41.21	43.85	30.67	41.66	47.42	45.45	41.39	45.65	46.69	31.59	27.29
1	2016 January	Market Pri 10 AM Mkt	36.22	25.47	26.77	24.72	29.[illegible]	38.75	38.88	39.38	34.09	30.49	32.41	38.4	32.47	31.89	39.44	38.26	45.74	44.68	50.43	46.36	41.56	41.49	38.28	39.63	45.69	41.25	41.34	45.91	46.27	30.6	34.17

1	2016 January	Market Pri 11 AM Mkt	30.44	26.56	27.17	28.55	35.43	38.98	39.8	39.38	39	30.41	30.57	36.32	31.04	28.69	39.41	36	42.71	43.06	49.41	46.63	41.27	43.01	46.77	38.26	45.47	41.2	39.8	45.17	45.51	35.26	34.93
1	2016 January	Market Pri Noon Mkt	30.45	26.96	27.64	28.44	35.44	39.9	39.04	39.38	40.3	31.32	31.89	36.32	35.44	29.72	39.42	35.26	32.07	42.23	47.57	45.51	41.51	41.31	46.77	38.26	45.51	41.2	40.18	44.55	44.74	35.53	34.25
1	2016 January	Market Pri 1 PM Mkt	38.38	26.55	28.15	24.9	29.86	39.38	39.04	39.38	34.31	29.87	33.05	36.04	35.44	29.7	39.15	29.17	31.83	43.12	47.15	45.17	41.02	41.2	35.65	38.26	41.7	40.97	41.33	41.27	41.27	29.17	28.94
1	2016 January	Market Pri 2 PM Mkt	34.55	26.77	28.22	29.39	35.95	39.9	35.53	39.04	32.7	29.81	31.81	38.98	28.55	29.39	39.38	29.01	42.17	43.62	46.87	44.89	39.08	41.43	37.13	35.26	43.23	40.59	39.8	41.28	41.47	38.4	28.84
1	2016 January	Market Pri 3 PM Mkt	34.42	25.91	27.92	38.06	29.53	35.44	35.44	39.38	30.95	29.52	33.99	36.32	28.55	28.55	39.42	34.93	30.45	42.17	45.19	41.43	42.28	41.2	34.38	31.8	41.21	39.8	36.47	40.72	41.36	35.11	33.03
1	2016 January	Market Pri 4 PM Mkt	34.02	25.57	27.2	37.01	36.32	39.07	37.8	38.98	30.49	29.11	28.79	36.32	25.41	28.55	36.32	33.87	31.71	42.11	44.49	41.6	38.98	40.99	34.25	34.25	43.13	39.76	38.98	40.44	40.6	35.26	32.74
1	2016 January	Market Pri 5 PM Mkt	34.36	26.77	27.94	33.05	36.32	41.95	39.04	39.27	32.06	28.84	29.44	41.02	30.3	28.55	39.01	38.22	32.79	42.19	45.4	42.2	41.38	41.2	35.44	34.07	41.25	39.88	41.28	41.26	41.19	28.8	34.25
1	2016 January	Market Pri 6 PM Mkt	35.26	28.01	27.94	35.44	40.57	41.66	42.08	41.2	39.9	28.84	41.44	41.88	35.44	37.03	39.45	31.83	42.52	46.59	47.66	45.35	42.01	41.55	46.83	39.65	44.21	41.2	42.31	43.19	41.28	29.17	29.01
1	2016 January	Market Pri 7 PM Mkt	42.13	28.79	28.56	39.21	41.14	44.68	41.66	40.48	41.94	35.26	41.79	42.58	40.95	39.2	40.77	38.26	47.33	49.85	53.37	46.85	45.45	44.08	47.67	48.64	45.6	42.58	45.25	45.95	41.83	33.88	35.65
1	2016 January	Market Pri 8 PM Mkt	36.52	28.56	32.4	39.8	40.57	43.7	42.85	39.04	29.17	34.1	41.42	41.95	40.46	39.08	40.6	35.65	47.33	49.36	51.4	45.52	44.81	42.5	48.91	49.24	45.9	41.78	45.31	46.73	42.11	35.33	38.26
1	2016 January	Market Pri 9 PM Mkt	31.79	27.69	32.12	37.16	39.75	42.67	41.59	39.04	38.1	29.87	39.04	41.36	36.32	40.02	40.6	34.9	46.92	48.08	50.34	44.17	41.45	42.79	43.57	48.1	45.22	41.32	41.74	46.51	42.72	33.91	35.77
1	2016 January	Market Pri 10 PM Mkt	29.17	27.18	28.84	39.08	38.88	38.98	40.02	35.44	32.3	33.61	35.44	36.31	28.55	35.44	39.38	42.52	43.57	45.77	47.81	42.01	41.37	41.44	41.06	46.82	43.15	39.8	41.5	45.73	41.38	28.73	30.45
1	2016 January	Market Pri 11 PM Mkt	31.04	25.65	27.07	30.43	36.74	29.87	42.52	34.4	29.45	29.49	33.85	34.69	30.76	38.71	45.67	37.35	45.01	48.06	48.6	39.65	35.65	38.09	35.65	39.65	39.85	31.8	34.25	43.57	38.01	27.69	29.01
1	2016 January	Market Pri Midnight M	27.98	24.88	25.61	28.15	28.84	29.87	31.84	29.59	27.69	27.28	29.01	28.84	27.18	30.55	37.93	31.7	40.41	47.02	43.54	31.58	28.56	31.65	36.52	34.42	29.87	27.68	34.48	35.65	29.17	28.73	29.49
1	2016 February	Market Pri 1 AM Mkt	32.34	33.04	31.51	33.31	33.23	32.34	29.54	28.74	29.52	29.56	32.26	39.04	33.28	29.22	28.66	28.84	28.24	30.55	34.71	30.6	29.54	29.03	29.89	29.64	30.47	33.01	31.1	29.67			
1	2016 February	Market Pri 2 AM Mkt	31.45	28.72	29.2	29.74	31.23	31.03	29.05	28.55	28.24	28.74	29.97	36.13	31.51	28.72	28.38	27.38	27.59	29.2	33.47	32.34	28.9	28.55	28.24	29.2	29.2	31.18	30.42	29.2			
1	2016 February	Market Pri 3 AM Mkt	31.51	28.55	31.51	31.51	31.51	28.55	28.71	28.55	26.97	28.55	30.77	34.27	30.77	28.55	28.24	27.01	27.62	30.02	32.26	31.2	28.55	28.41	27.21	29.5	29.34	30.12	30.12	29.07			
1	2016 February	Market Pri 4 AM Mkt	33.32	28.66	32.34	31.51	32.94	30.74	28.72	29.5	28.17	28.68	30.49	36.13	30.77	28.39	28.55	27.19	26.44	29.46	32.81	29.85	28.48	28.55	27.72	29.46	28.2	30.6	30.31	28.84			
1	2016 February	Market Pri 5 AM Mkt	30.6	30.77	36.19	31.51	33.36	30.97	29.14	29.18	28.55	29.51	31.51	38.31	30.81	28.55	29.3	27.6	29.61	29.85	33.55	33.06	28.69	29.67	28.18	30.12	30.12	31.27	30.31	29.2			
1	2016 February	Market Pri 6 AM Mkt	36.02	30.77	39.39	37.7	37.99	32.34	29.25	32.34	30.6	32.34	37.46	44.9	32.61	28.91	31.51	28.72	30.6	34.52	41.89	35.74	28.7	29.6	29.7	34.93	30.14	36.06	31.08	29.2			
1	2016 February	Market Pri 7 AM Mkt	43.27	40.17	44.28	41.28	40.11	35.76	30.12	30.15	27.99	30.15	39.53	42.43	34.67	29.47	30.25	26.99	29.8	37.39	42.37	31.3	29.51	29.85	29.73	37.39	37.39	38.52	31.37	29.85			
1	2016 February	Market Pri 8 AM Mkt	46.69	42.61	47.38	42.86	44.29	38.87	30.56	41.56	36.72	42.7	42.5	46.47	39.06	29.49	41.18	33.84	40.26	43.16	44.08	36.11	28.24	28.47	39.55	42.91	43.08	42.43	32.84	29.99			
1	2016 February	Market Pri 9 AM Mkt	46.82	42.45	47.03	42.78	42.43	41.13	31.51	42.51	30.15	41.03	42.43	45.51	40.3	31.37	42.43	32.29	40.99	43.33	43.38	40.35	29.11	41	37.39	43.15	42.81	42.43	33.36	33.26			
1	2016 February	Market Pri 10 AM Mkt	47.04	42.57	45.86	44.41	42.65	32.11	34.65	42.65	31.99	41.1	44.65	42.73	35.66	33.34	42.59	30.15	40.81	44.17	43.65	36.13	33.15	42.58	38.62	42.73	44.17	42.81	35.62	35.62			
1	2016 February	Market Pri 11 AM Mkt	46.03	42.06	45.99	44.52	42.43	43.18	33.66	41.03	39.53	42.84	44.72	41.65	35.62	33.95	42.73	30.15	39.43	44.14	43.05	43.28	30.12	42.75	34.09	43.09	44.21	42.35	35.62	29.47			
1	2016 February	Market Pri Noon Mkt	45.34	41.07	44.67	43.14	41.02	41.88	30.99	41.04	30.15	40.99	44.13	40.98	41.32	31.14	43.05	35.14	40.44	43.69	42.88	38.26	31.68	42.82	36.12	39.47	44.26	41.37	31.29	32.34			
1	2016 February	Market Pri 1 PM Mkt	44	41.19	43.91	41.39	40.9	32.83	29.86	40.9	37.95	41.18	44.35	42.42	29.52	30.77	42.6	30.15	39.43	43.7	42.54	33.47	31.51	42.46	36.12	42.49	43.98	41.11	34.47	30.31			
1	2016 February	Market Pri 2 PM Mkt	43.54	40.54	42.26	42.63	36.97	30.42	27.45	37.38	32.19	39.43	42.73	41.73	28.64	28.55	42.46	30.14	40.63	43.31	41.71	29.92	29.07	42.48	32.87	42.51	43.47	41	28.72	29.39			
1	2016 February	Market Pri 3 PM Mkt	43.03	30.15	42.85	42.43	36.12	30.12	29.2	39.43	29.93	41.03	41.65	39.37	30.31	29.83	41.69	29.8	33.62	43.03	40.84	32.75	30.94	42.15	36.12	40.44	43.08	39.72	30.58	29.4			
1	2016 February	Market Pri 4 PM Mkt	42.66	32.41	42.62	42.08	28.82	30.06	29.2	37.39	30.15	40.44	42.84	37.39	30.6	29.53	40.96	29.75	37.39	43.19	39.97	32.34	31.12	39.43	30.15	39.53	42.66	28.66	30.87	30.05			
1	2016 February	Market Pri 5 PM Mkt	42.53	40.31	42.73	41.85	29.85	30.12	29.13	35.23	33.29	41.03	43.25	33.06	30.26	30.42	40.83	30.15	37.57	42.99	40.01	29.53	30.6	32.89	30.12	39.53	42.66	30.1	31.22	29.95			
1	2016 February	Market Pri 6 PM Mkt	42.66	41.33	45.83	42.68	32.01	33.03	31.06	41.47	37.94	44.35	44.83	40.86	28.67	29.34	41.02	29.85	41.16	43.93	40.88	30.31	29.2	41.61	36.62	42.75	43.5	33.62	31.51	31.51			
1	2016 February	Market Pri 7 PM Mkt	45.8	43.08	47.3	44.82	40.83	30.12	35.25	43.21	39.43	44.1	47.35	42.02	30.12	31.51	42.46	29.84	44.96	45.86	42.4	32.76	31.01	42.48	42.03	44.86	45.14	40.87	31.15	30.12			
1	2016 February	Market Pri 8 PM Mkt	45.95	43.11	46.45	44.68	40.28	41.2	33.77	43.08	39.38	45.06	47.11	40.98	30.76	31.19	42.49	35.88	45.34	46.76	42.43	33.58	31.02	42.92	42.31	44.35	46.01	40.9	33.21	31.51			
1	2016 February	Market Pri 9 PM Mkt	44.53	42.49	45.08	43.73	40.24	39.14	34.34	42.49	41.31	43.88	46.97	40.97	29.92	31.26	41.33	36.12	43.82	45.38	42.43	35.62	30.55	42.14	42.1	44.09	43.85	40.9	31.16	31.27			
1	2016 February	Market Pri 10 PM Mkt	43.09	42.32	41.89	42.47	32.89	36.11	31.44	36.12	38.66	41.03	44.56	40.94	29.52	34.68	37.38	28.01	42.92	43.26	41.07	32.11	29.51	37.07	36.12	42.65	42.59	40.02	36.13	30.6			
1	2016 February	Market Pri 11 PM Mkt	40.74	42.01	44.81	38.21	38.37	32.34	31.15	30.42	36.13	45.04	45.88	35.62	31.51	31.26	30.3	29.05	33.59	41.83	36.13	29.52	31.19	30.33	31.51	36.13	36.4	32.14	31.85	29.47			
1	2016 February	Market Pri Midnight M	31.28	37.58	30.77	39.91	33.52	30.35	30.12	30.77	31.19	36.62	43.28	34.25	29.95	29.76	30.31	29.78	34.46	40.32	35.62	30.31	30.31	31.03	31.51	35.05	31	28.93	30.14	30.6			
1	2016 March	Market Pri 1 AM Mkt	25.42	33.35	32.26	26.31	25.25	25.58	23.91	23.85	27.97	31.06	26.08	25.92	26.05	25.62	24.94	25.63	27.97	25.54	25.55	25.62	24.71	24.41	24.94	26.43	24.19	23.91	25.33	24.56	23.52	23.35	24.17
1	2016 March	Market Pri 2 AM Mkt	25.52	29.26	29.42	26.46	24.94	25.19	23.2	23.59	26.31	27.76	26.21	25.74	25.63	25.25	24.69	25.16	25.59	25.51	25.25	25.49	23.74	23.82	24.4	25.25	23.53	22.56	24.5	23.42	23.45	22.93	23.05
1	2016 March	Market Pri 3 AM Mkt	24.83	29.03	28.81	26.97	24.7	24.83	23.17	23.47	26.83	27.25	26.24	25.77	25.3	25.25	24.5	25.25	25.61	25.9	24.83	25.25	23.75	23.39	24.38	24.42	23.67	23.13	23.67	23.34	23.04	22.99	23
1	2016 March	Market Pri 4 AM Mkt	25.52	29.9	28.63	27.85	24.5	24.5	23.35	23.95	26.97	29.05	26.21	25.4	24.81	25.65	24.94	25.66	25.54	26.48	24.82	24.83	24.42	23.68	24.41	24.45	24.42	22.92	23.35	23.5	23.3	23.02	22.83
1	2016 March	Market Pri 5 AM Mkt	26.05	32.67	31.02	29.04	24.66	25.08	24.42	24.58	26.46	29.9	26.83	25.64	24.94	26.74	25.57	26.32	26.21	26.87	25.12	25.16	25.49	24.42	25.43	25.87	24.3	21.35	23.48	25.02	23.5	23.29	23.14
1	2016 March	Market Pri 6 AM Mkt	29.29	34.89	36.78	32.7	25.25	25.69	26.91	27.25	37.62	30.82	30.99	26.16	25.63	31.91	28.94	29.86	32.63	33.07	25.55	25.81	28.49	26.12	26.73	26.81	25.25	23.35	23.95	26.21	25.53	24.73	22.56
1	2016 March	Market Pri 7 AM Mkt	38.33	41.43	42.18	41.67	26.05	26.46	34.41	35.3	42.77	41.58	38.85	27.88	26.05	39.45	36.81	35.1	35.1	35.47	26.61	25.54	35.1	34.41	37.46	34.41	28.54	24.24	24.58	27.38	30.46	27.11	23.81
1	2016 March	Market Pri 8 AM Mkt	39.3	44.94	44.56	41.57	27.97	27.25	35.1	38.03	44.75	42.24	39.96	29.77	27.97	42	40.01	39.74	39.67	38.46	37.96	27.58	37.88	35.1	37.29	35.1	27.02	24.94	26.11	34.41	33.69	30.37	24.9
1	2016 March	Market Pri 9 AM Mkt	38.81	44.78	40.85	43.29	32.69	30.14	35.1	37.42	43.01	40.33	40.6	34.94	30.14	40.67	38.76	40.26	36.87	38.19	34.53	30.14	38.6	35.76	40.02	36.48	35.12	27.25	29.36	34.81	28.21	34.41	27.14
1	2016 March	Market Pri 10 AM Mkt	39.29	43.39	40.13	40.66	32.87	29.23	35.1	38.35	43.68	39.83	40.01	34.33	31.85	40.02	38.87	40.44	38.74	38.28	32.85	31.72	38.46	36.79	40.11	37.42	34.41	29.05	29.36	35.3	35.1	33.34	28.7
1	2016 March	Market Pri 11 AM Mkt	39.65	43.19	39.98	40.49	32.39	29.05	34.41	41.02	43.54	39.9	40.97	34.41	31.14	39.9	38.93	39.52	37.24	35	33.63	29.48	39.83	37.01	40.79	35.92	29.61	29.05	29.25	38.36	30.91	35.1	31.28
1	2016 March	Market Pri Noon Mkt	39.83	41.33	39.9	39.97	31.22	26.96	35.1	40.88	42.22	39.87	40.37	33.02	29.76	38.74	37.93	38.95	37.84	34.41	32.86	27.97	37.42	38.29	40.31	37.14	35.08	29.29	27.25	38.49	35.45	35.09	34.37
1	2016 March	Market Pri 1 PM Mkt	39.06	41.56	39.09	38.08	29.41	25.92	35.08	40.39	43.22	39.54	38.6	31.24	29.77	38.88	34.41	38.24	37	37.34	31.05	27.97	35.23	37.92	40.42	37.14	30.9	28.33	26.35	35.1	30.94	35.3	34.41
1	2016 March	Market Pri 2 PM Mkt	38.75	41.53	37.62	36.85	27.95	25.66	35.1	40.84	40.58	39.56	37.77	30.14	27.8	37.42	36.61	38.24	37.37	34.41	28.91	26.91	36.54	37.42	40.47	37.12	27.62	29.18	24.42	35.1	35.1	33.47	34.41
1	2016 March	Market Pri 3 PM Mkt	38.83	41.39	39.8	35.1	26.95	25.56	34.41	40.49	40.4	39.94	37.9	28.91	26.9	37.17	37.14	37.42	37.14	34.41	28.99	26.46	35.7	37.42	39.83	37.14	35.23	27.3	24.43	35.08	34.41	34.41	34.41
1	2016 March	Market Pri 4 PM Mkt	38.88	40.19	38.97	35.1	27.22	25.55	32.19	39.83	39.88	38.59	37.04	29.43	27.95	29.5	37.14	36.85	37.12	32.79	26.98	26.12	30.86	37.31	39.27	37.18	34.11	26.97	22.56	31.58	33.58	37.28	29.12
1	2016 March	Market Pri 5 PM Mkt	38.88	41.11	38.91	34.41	27.47	25.56	37.17	40.29	40.06	38.77	37.54	29	28.77	36.7	37.36	35.77	36.09	37.11	28.58	27.19	29.24	38.75	39.94	34.41	34.85	27.83	25.68	30.58	28.37	30.89	31.1
1	2016 March	Market Pri 6 PM Mkt	41.33	40.99	39.67	35.8	27.97	26.05	34.41	40.68	40.9	40.87	37.42	30.97	30.09	34.43	35.1	36.86	36.8	28.91	30.41	28.28	34.41	37.36	39.97	36.86	28.57	27.97	25.69	35.1	29.24	36.63	32.72
1	2016 March	Market Pri 7 PM Mkt	44.74	45.18	41.55	39.06	35.06	26.93	37.53	44.2	43.19	43.76	39.89	37.07	36.04	40.19	39.44	38.75	38.64	34.41	35.65	31.24	34.41	38.75	40.64	37.45	29.24	32.78	26.21	37.48	33.2	29.24	34.41
1	2016 March	Market Pri 8 PM Mkt	44.97	46.02	43.89	39.47	32.6	26.88	38.88	45.04	46.65	44.74	40.26	33.02	37.51	41.37	40.51	41.61	40.88	34.76	27.07	36.56	39.83	39.89	41.36	38.66	34.41	36.78	28.78	37.42	34.41	34.92	34.41
1	2016 March	Market Pri 9 PM Mkt	43.47	44.94	43.71	38.83	31.17	31.24	38.62	44.61	44.48	42.99	39.78	31.24	36.78	41.1	39.58	40.36	40.37	35.34	37.11	36.36	39.94	37.63	40.14	37.53	28.83	26.46	28.73	37.47	36.96	34.47	37.26
1	2016 March	Market Pri 10 PM Mkt	39.73	40.35	40.24	36.04	34.14	28.17	37.53	41.12	40.48	39.73	37.42	35.65	35.44	39.56	37.23	38.88	35.1	36.62	35.6	32.28	37.42	34.41	37.42	34.62	32.71	32.85	27.53	34.41	34.41	34.41	36.56
1	2016 March	Market Pri 11 PM Mkt	38.25	37.43	37.06	32.73	28.83	26.61	31.24	37.23	37.02	30.5	36.71	29.93	30.64	36.48	35.31	36.34	35.09	31.17	29.23	27.97	34.79	35.13	35.8	31.11	27.97	28.68	26.21	29	26.45	27.23	27.97
1	2016 March	Market Pri Midnight M	31.35	36.2	29.9	26.05	27.97	25.02	27.03	30.94	34.83	28.68	29.22	27.77	28.7	27.97	26.61	32.62	27.73	28.91	26.85	26.04	26.23	26.21	27.25	26.41	25.58	26.23	25.68	25.56	24.7	25.49	25.56
1	2016 April	Market Pri 1 AM Mkt	26.85	26.68	26.46	25.17	26.31	25.33	26.36	26.33	25.75	25.45	24.92	26.35	25.42	26.61	26.24	25.6	25.42	24.85	26.48	26.02	26.02	26.3	26.61	26.61	26.11	26.35	26.34	26.91	27.28	26.04	
1	2016 April	Market Pri 2 AM Mkt	25.69	25.71	26.76	25.17	24.95	24.08	25.17	24.08	24.35	25.17	25.17	24.99	25.24	26.02	25.22	24.59	25.17	25.17	24.96	25.37	25.67	25.42	25.15	26.18	26.48	25.33	26.02	26.38	25.77	25.17	
1	2016 April	Market Pri 3 AM Mkt	26.61	25.82	26.79	25.07	25.02	25.09	24.37	26.02	24.46	24.68	24.48	24.98	25.34	25.27	25.71	24.6	25.17	24.18	24.56	25.17	24.54	26.09	25.17	26.84	26.46	25.17	26.02	25.33	25.9	25.09	
1	2016 April	Market Pri 4 AM Mkt	25.22	25.6	26.1	25.6	24.81	24.77	25.17	25.07	24.02	24.3	25.04	24.46	25.17	26.02	23.26	24.12	24.3	25.17	24.56	25.09	25.15	24.28	24.61	25.78	26.23	24.63	25.52	25.87	24.8	24.59	
1	2016 April	Market Pri 5 AM Mkt	26.02	25.82	26.48	25.16	25.45	23.84	24.92	25.17	24.38	24.39	24.4	25.45	24.57	26.02	25.27	24.53	24.94	24.42	24.68	24.08	24.7	25.13	25.07	26.24	26.27	25.6	24.68	26.02	25.71	24.68	
1	2016 April	Market Pri 6 AM Mkt	26.41	25.38	25.45	26.5	26.43	24.82	26.02	24.23	23.85	23.77	25.27	25.56	25.6	27.25	25.88	24.22	23.97	25.6	25.39	25.17	26.02	25.45	24.37	25.43	28.69	26.65	26.47	28.01	26.16	24.35	
1	2016 April	Market Pri 7 AM Mkt	30.24	27.28	26.32	34.3	34.23	27.6	32.09	31.91	25.17	23.94	28.74	29.68	28.2	34.4	33.87	25.86	24.43	29.51	30.19	27.67	31.23	28.98	25.82	26.22	34.51	34.3	32.56	35.64	31.78	26.02	
1	2016 April	Market Pri 8 AM Mkt	38.81	29.92	26.32	39.33	38.18	34.3	37.33	36.62	25.94	23.89	31.6	35.6	37.58	39.2	37.66	26.71	24.27	34.3	34.51	34.51	36.28	36.76	26.85	26.61	38.91	37.42	37.55	38.25	37.97	26.75	
1	2016 April	Market Pri 9 AM Mkt	38.77	37.27	26.91	39.52	38.94	37.91	37.58	37.42	28.26	24.82	34.51	37.42	38.94	39.03	38.98	29.81	24.75	35.48	37.42	37.01	37.42	37.42	29.78	27.28	39.04	38.15	38.16	38.56	38.16	31.02	
1	2016 April	Market Pri 10 AM Mkt	39.28	37.28	27.73	38.68	38.99	38.1	37.55	38.93	28.56	26.12	34.3	38.87	39.05	38.96	38.99	29.48	26.02	38.59	38.9	38.6	37.42	39.05	34.65	29.95	37.88	38.86	38.83	38.14	38.87	32.14	
1	2016 April	Market Pri 11 AM Mkt	38.03	37.23	28.56	38.91	38.98	38.79	38.06	37.58	29.98	26.61	37.42	38.45	38.98	37.69	38.94	30.13	26.76	38.73	39.5	38.94	38.92	38.93	37.07	31.54	38.97	38.96	38.85	38.61	38.55	32.31	
1	2016 April	Market Pri Noon Mkt	38.86	34.67	27.1	39.82	39.13	39.13	38.94	37	28.41	23.59	39.08	38.42	39.03	39.08	37.52	28.83	26.02	39.95	38.89	40.16	39.13	38.9	37.18	29.95	40.4	39.15	38.53	38.9	38.35	31.14	
1	2016 April	Market Pri 1 PM Mkt	37.42	32.94	28.75	39.77	37.86	38.87	38.39	36.33	27.82	27.6	38.69	38.98	38.47	39.04	36.78	27.84	27.86	40.44	40.88	40.92	39.12	38.92	33.17	31.17	39.02	39.05	39.05	38.6	38.56	29.71	
1	2016 April	Market Pri 2 PM Mkt	37.42	31.72	27.02	39.53	38.18	38.94	38.39	37.79	27.28	27.28	39.3	38.82	38.04	38.84	37.58	27.24	26.85	40.88	42	40.81	38.69	38.95	30.53	30.17	39.32	38.9	38.92	38.82	38.34	28.65	
1	2016 April	Market Pri 3 PM Mkt	38.84	27.81	28.55	36.17	38.34	38.94	38.3	37.45	27.38	29.23	38.31	37.58	36.18	37.58	37.85	27.12	28.83	39.23	41.23	39.89	38.25	38.87	29.72	30.46	36.33	38.34	37.83	38.71	38.01	27.43	
1	2016 April	Market Pri 4 PM Mkt	36.84	30.98	26.85	36.82	37.76	38.94	37.83	36.33	28.44	27.97	38.85	37.58	36.33	37.42	35.4	27.88	27.9	39.14	39.36	39.26	38.94	37.42	30.65	29.98	37.56	37.49	36.33	38.14	36.88	28.09	
1	2016 April	Market Pri 5 PM Mkt	37.55	35.44	26.85	36.33	36.4	38.12	36.33	34.33	29.69	27.54	37.78	36.39	36.66	36.65	35.85	29.96	28.09	38.82	40.98	39.28	38.24	37.42	33.41	29.68	34.65	37.03	37.96	37.58	34.51	29.44	
1	2016 April	Market Pri 6 PM Mkt	37.58	36.55	26.26	36.35	36.48	37.88	36.31	35.73	29.8	29.8	38.37	36.55	36.33	36.35	35.75	29.73	29.91	38.94	39.29	39.26	37.95	37.42	33.56	30.61	36.33	37.58	37.42	37.46	36.85	29.66	
1	2016 April	Market Pri 7 PM Mkt	38	35.16	25.6	35.95	36.52	37.12	36.49	35.06	28.09	27.48	37.95	36.33	34.3	35.04	33.76	28.67	27.74	37.85	38.49	39.15	37.42	35.04	31.22	30.17	36.19	35.49	36.32	37.95	37.42	27.87	
1	2016 April	Market Pri 8 PM Mkt	39.51	37.39	26.85	36.11	36.33	34.39	38.96	34.67	29.8	27.12	37.88	37.8	34.25	36.34	30.69	30.48	28.09	38.54	39	38.17	38.01	35.74	36.73	30.97	37.42	37.42	34.51	37.76	34.1	29.84	
1	2016 April	Market Pri 9 PM Mkt	39.43	37.22	27.55	39.09	38.99	39.2	39.75	36.33	30.43	29.81	38.92	39.24	37.19	39.08	36.31	30.17	26.02	40.6	39.91	38.94	39.78	36.62	37.29	32.49	38.75	38.34	38.18	39.29	37.78	30.11	
1	2016 April	Market Pri 10 PM Mkt	37.42	37.25	28.09	38.98	37.94	37.42	38.6	34.51	33.22	29.55	38.48	38.9	37.82	38.94	34.51	32.22	28.39	39.05	40.62	38.72	38.48	36.33	37.18	33.1	38.9	37.95	38.34	38.94	36.73	32.22	
1	2016 April	Market Pri 11 PM Mkt	35.03	32.55	31.47	37.13	34.06	35.68	37.13	34.64	28.71	29.95	37.37	34.62	35.03	37.26	31.94	28.83	29.95	37.86	37.26	34.43	37.45	32.98	33.59	35	37.26	35.06	37.32	38.61	35.51	29.61	
1	2016 April	Market Pri Midnight M	28.55	27.43	26.12	29.49	26.72	26.23	28.09	27.02	26.1	26.15	27.58	26.48	27.4	25.73	26.34	26.07	25.84	28.83	27.32	27.85	27.66	27.28	29.15	27.32	28.44	26.83	29.22	29.05	28.09	27.02	
1	2016 May	Market Pri 1 AM Mkt	24.62	25.4	25.61	25.68	25.42	26.22	25.42	23.85	24.8	26.6	27.09	26.54	26.02	26.02	23.84	24.54	25.14	25.45	26.48	26.68	26.31	24.06	25.45	26.02	26.53	25.63	25.41	25.45	23.56	23.56	23.62
1	2016 May	Market Pri 2 AM Mkt	24.24	24.35	25.29	25.45	25.11	24.55	24.41	23.41	24.02	24.63	25.56	25.64	25.12	25.64	23.46	23.79	24.19	24.82	25.19	24.92	25.19	23.64	24.06	24.68	24.86	24.62	24.38	24.51	23.41	23.33	23.42
1	2016 May	Market Pri 3 AM Mkt	24.06	24.7	25.14	25.39	24.17	23.78	23.92	23.51	23.78	24.01	24.86	24.19	24.24	24.23	23.64	23.51	23.9	24.06	24.24	24.35	24.25	23.71	23.73	23.84	24.4	23.87	23.67	23.93	23.41	21.41	23.41
1	2016 May	Market Pri 4 AM Mkt	24.03	24.45	24.64	25.14	24.06	23.53	23.83	23.41	23.82	23.8	24.8	23.96	23.99	24.19	23.41	23.42	23.83	23.85	23.89	23.82	24.01	23.5	23.85	23.66	23.81	23.42	23.58	23.7	23.41	23.29	23.41
1	2016 May	Market Pri 5 AM Mkt	24.26	24.43	25.1	25.19	24.66	21.77	23.88	23.48	23.82	23.74	24.06	24.9	24.02	24.25	23.55	23.62	23.92	23.83	24.12	23.71	24.06	23.56	23.84	23.6	23.85	23.68	23.43	23.86	23.41	23.38	23.4
1	2016 May	Market Pri 6 AM Mkt	24.32	26.02	26.91	25.97	25.56	25.03	24.22	23.43	24.59	24.67	25.42	25.04	25.08	24.63	23.68	24.61	24.8	24.55	27.36	25.14	24.34	23.62	24.83	24.64	24.56	24.7	23.88	23.88	23.31	23.34	23.86
1	2016 May	Market Pri 7 AM Mkt	24.45	33.33	36.57	34.02	30.61	28.24	24.55	23.41	26.78	29.02	29.06	29.64	28.71	24.8	23.41	26.09	28.06	26.43	27.93	28.21	24.54	23.41	26.86	26.76	26.76	25.68	25.31	23.82	23.25	23.35	25.88
1	2016 May	Market Pri 8 AM Mkt	25.1	36.88	39.28	39.9	35.71	34.54	25.11	23.75	34.05	36.57	36.57	35.53	35.54	25.17	23.99	31.61	34.66	33.06	34.78	34.08	25.19	23.64	31.87	33.52	30.59	31.85	28.83	24.06	23.41	23.41	28.43
1	2016 May	Market Pri 9 AM Mkt	26.02	38.15	40.1	38.11	37.69	35.54	25.56	24.68	36.61	37.62	37.61	36.61	36.57	26.37	24.64	34.08	35.8	36.38	36.88	36.61	25.76	24.68	35.96	36.53	34.73	34.7	34.12	24.53	23.99	23.81	34.47
1	2016 May	Market Pri 10 AM Mkt	26.46	39.01	38.86	38.09	38.13	36.74	26.92	26.03	38.88	40.01	39.14	37.59	37.96	28.73	25.61	36.58	36.57	36.87	37.96	37.24	28.76	26.02	37.7	37.05	36.57	35.62	36.1	26.4	25.1	25.38	37.96
1	2016 May	Market Pri 11 AM Mkt	27.03	39.02	39.06	37.01	38.1	38.04	27.67	26.59	39.9	41.58	39.08	38.82	37.96	31.44	26.02	36.71	37.3	37.38	39.42	37.95	32.32	27.89	37.96	37.96	37.22	36.72	38.2	26.97	25.64	26.57	39.39
1	2016 May	Market Pri Noon Mkt	26.96	38.83	38.96	37.27	36.89	38.38	27.94	26.51	38.03	41.86	41.23	38.86	39.99	31.57	26.06	36.66	37.78	37.67	37.96	39.11	30.55	28.67	37.96	40.66	37.64	39.04	39.22	27.61	26.51	26.91	40.93
1	2016 May	Market Pri 1 PM Mkt	26.55	37.6	39.04	36.61	37.02	38.11	27.98	26.1	40.84	42.64	41.17	39.38	40.3	34.41	25.64	36.57	37.76	37.6	40.63	39.39	31.86	28.69	39.78	40.77	37.59	37.96	39.03	29.2	26.24	26.93	42.07
1	2016 May	Market Pri 2 PM Mkt	25.9	37.58	37.96	35.61	36.61	37.19	30.11	26.47	39.89	43.2	42.1	41.7	39.84	34.44	26.02	36.71	38.14	37.59	38.19	39.75	34.62	28.17	40.79	39.9	37.15	37.81	38.97	29.54	26.29	26.91	42.93
1	2016 May	Market Pri 3 PM Mkt	26.02	37.11	37.01	35.15	36.61	36.76	28.73	26.81	39.9	43.78	43.67	41.23	39.9	31.93	26.01	35.85	37.96	37.96	41.73	37.96	32.48	29	41.22	38.42	37.59	38.04	38.83	28.49	26.15	27.05	43.56
1	2016 May	Market Pri 4 PM Mkt	26.02	37.53	36.95	34.22	36.61	36.57	28.17	26.91	39.1	43.95	44.12	41.22	38.87	30.71	26.17	37.53	37.92	38.77	42.24	37.58	28.8	28.35	41.22	38.77	37.25	37.96	37.69	28.79	26.69	25.62	43.64
1	2016 May	Market Pri 5 PM Mkt	26.44	36.95	36.77	34.65	36.44	36.57	29.45	27.26	42.01	44.11	44.27	40.73	39.87	32.51	25.19	36.72	37.96	38.77	42.19	37.65	32.12	28.66	42.09	40.25	37.59	37.88	38.02	29.47	26.63	28.49	43.69
1	2016 May	Market Pri 6 PM Mkt	26.02	37.65	36.06	33.95	34.7	35.15	28.52	27.54	41.23	42.77	43.95	39.9	39.05	31.47	27.36	36.7	38	38.12	41.69	34.78	31.34	28.91	41.58	38.15	36.95	37.67	37.62	28.49	26.85	27.71	40.18
1	2016 May	Market Pri 7 PM Mkt	26.52	36.95	34.7	31.4	32.84	34.61	27.98	26.91	37.96	42.28	43.58	38.89	37.96	29.62	26.1	34.7	35.36	38.39	39.83	34.62	30.38	28.63	39.22	37.59	36.57	37.08	36.61	28.17	26.19	27.5	38.85
1	2016 May	Market Pri 8 PM Mkt	27.05	36.68	34.02	31.97	33.97	34.28	27.76	27.58	38.1	43.17	42.28	38.28	37.65	30.04	26.71	34.99	36.11	37.68	37.96	35.26	29.97	29.73	37.73	36.05	35.45	36.61	34.88	27.8	26.1	27.75	37.17
1	2016 May	Market Pri 9 PM Mkt	29.74	39.08	36.61	36.57	36.82	34.66	30.12	29.37	38.93	41.92	43.86	38.98	37.59	31.8	27.55	36.57	36.35	38.65	40.17	35.38	33.41	30.64	37.79	35.15	36.61	36.89	34.22	28.61	26.33	28.49	38.31
1	2016 May	Market Pri 10 PM Mkt	30.38	37.78	37.02	36.75	37.59	35.62	30.38	32.64	39.9	40.54	42.23	38.76	37.86	31.35	28.49	36.61	36.61	37.73	39.24	37.33	34.89	34.6	37.03	37.38	37.59	39.11	34.47	28.77	27.05	30.05	38.92
1	2016 May	Market Pri 11 PM Mkt	27.98	34.01	32.32	31.52	32.32	31.74	27.36	28.73	36.99	39.28	37.02	37.09	35.91	27.62	27.9	30.24	33.69	35.94	36.79	36.73	30.03	32.32	35.6	35.74	34.58	36.68	30.24	27.05	26.35	28.17	36.15
1	2016 May	Market Pri Midnight M	26.43	27.86	28.17	26.02	26.97	26.91	25.62	25.82	28.01	34.52	30.38	29.7	29.09	25.63	25.89	26.32	27.05	27.98	30.05	29.34	26.63	27.73	28.68	27.71	27.36	27.98	26.88	24.88	25.05	25.63	28.53
1	2016 June	Market Pri 1 AM Mkt	22.05	22.16	22.62	22.49	22.87	23.42	24.13	25.38	25.22	26.45	24.89	23.79	24.29	25.13	24.6	22.5	23.08	22.5	22.35	22.5	23.14	24.3	23.8	27.04	25.5	25.15	27.03	28.01	27.52	27.48	
1	2016 June	Market Pri 2 AM Mkt	21.27	21.76	21.76	21.75	22.27	22.99	23.19	23.68	24.6	24.76	23.81	23.16	23.42	23.81	23.45	23.21	22.59	21.84	21.79	22.01	22.38	23.25	23.21	24.31	24.51	24.29	24.68	25.48	25.11	25.79	
1	2016 June	Market Pri 3 AM Mkt	20.71	21.21	21.26	20.73	21.67	22.85	22.87	23.11	23.72	24.11	23.2	22.87	23.21	23.68	23.21	22.87	22.23	21.11	20.93	21.21	21.79	22.85	22.64	23.35	23.44	23.16	24.59	24.66	24.18	24.6	
1	2016 June	Market Pri 4 AM Mkt	20.52	20.73	20.75	20.47	20.74	22.33	22.8	22.92	23.19	23.42	22.92	22.64	23.12	23.29	21.77	21.56	21.79	20.62	19.89	20.76	21.76	22.39	22.14	22.64	22.92	22.89	23.45	23.96	23.45	24.07	
1	2016 June	Market Pri 5 AM Mkt	20.51	20.73	21	20.62	20.62	22.5	22.87	22.83	23.32	21.28	22.89	22.5	23.08	23.29	22.87	22.61	21.79	20.81	20.27	20.44	21.79	22.27	22.27	22.5	22.79	22.71	23.35	24.08	23.1	23.83	
1	2016 June	Market Pri 6 AM Mkt	21.63	22.06	21.82	20.62	20.52	22.89	23	22.82	23.69	23.78	22.87	22.31	23.29	23.59	22.87	22.97	22.15	20.83	20.22	21.79	22.32	22.64	22.8	22.92	22.87	22.61	23.84	24.6	23.42	24.66	
1	2016 June	Market Pri 7 AM Mkt	20.38	20.78	20.8	21.11	20.17	21.67	21.66	22.26	23.67	23.8	22.99	22.12	22.28	22.26	21.66	21.52	20.36	21.23	20.5	20.34	20.8	21.52	21.66	22.71	23.03	22.83	24.72	25.88	24.9	26.33	
1	2016 June	Market Pri 8 AM Mkt	21.28	21.72	21.99	22.27	21.79	24.62	25.12	26.45	27.74	28.22	23.78	22.07	25.9	26.16	23.79	22.65	22.99	22.3	21.08	21.66	21.99	23.17	24.99	28.76	23.85	22.87	31.97	30.63	29.91	34.52	
1	2016 June	Market Pri 9 AM Mkt	21.94	22.6	23.14	23.15	22.87	32.58	30.38	34.58	34.91	37.71	25.1	23.38	34.91	34.81	28.36	25.54	24.06	23.03	22.5	25.27	25.35	28.43	30.36	37.46	25.83	24.29	38.68	34.53	37.84	38.13	
1	2016 June	Market Pri 10 AM Mkt	23.84	25.24	25.66	24.6	24.33	37.79	37.53	39.2	38.96	39.69	27.93	24.76	39.14	39.62	34.91	28.61	27.42	23.55	22.87	28.62	32.44	35.49	37.12	40.41	34.1	26.45	42.77	41.09	41.31	41.23	
1	2016 June	Market Pri 11 AM Mkt	25.23	37	28.46	25.05	25.5	39.12	39.71	41.6	40.55	44.42	31.73	25.78	40.9	44.43	36.92	33.86	29.19	23.97	23.19	32.36	36.94	37.84	39.49	42.42	40.29	33.03	46.97	46.39	44.51	45.64	
1	2016 June	Market Pri Noon Mkt	26.28	30.67	29.61	26.13	28.45	40.78	43.31	44.42	46.55	46.61	37.63	27.96	43.85	49.11	37.84	35.56	32.22	24.76	24.3	36.99	39.21	39.15	40.98	46.61	43.9	38.96	51.79	50.48	48.19	49.56	
1	2016 June	Market Pri 1 PM Mkt	27.6	32.67	30.52	27.04	30.42	43.73	46.29	47.84	49.05	48.82	39.9	31.87	46.74	46.75	38.58	36.83	33.51	24.95	24.9	37.66	39.85	40.47	42.24	50.52	44.73	42.3	57.1	54.67	52.12	54.49	
1	2016 June	Market Pri 2 PM Mkt	26.86	31.12	32.45	27.52	30.48	45.38	49.12	49.32	52.39	50.85	41.28	35.75	49.26	55.69	38.24	37.29	34.81	25.16	25.67	38.8	41.69	41.95	44.9	54.58	45.17	44.17	65.08	60.72	55.04	60.13	
1	2016 June	Market Pri 3 PM Mkt	28.12	32.46	31.71	28.17	36.16	46.63	51.01	52.35	55.47	51.19	42.26	38.13	51.22	56.08	38.54	37.08	34.58	25.13	25.83	39.16	42.96	43.99	48.67	59.04	47.16	44.93	69.72	65.8	60.27	63.54	
1	2016 June	Market Pri 4 PM Mkt	27.65	32.21	31.77	29.23	38.88	48.04	52.77	55.05	56.78	51.99	42.54	40.06	53.01	55.85	38.45	37.6	33.85	25.83	26.7	39.39	43.99	44.68	48.83	61.28	47.03	45.74	74.27	67.76	63.14	65.52	
1	2016 June	Market Pri 5 PM Mkt	28.6	31.86	31.85	29.37	40.94	48.15	52.66	53.98	59.48	51.7	42.39	40.95	57.29	54.75	38.76	37.84	33.49	26.12	27.14	40.12	44.02	45.41	51.54	63.16	47.85	46.6	73.87	66.75	62.15	67.1	
1	2016 June	Market Pri 6 PM Mkt	26.99	29.59	31.28	30.24	40.66	47.26	51.85	53.25	55.78	49.23	42.34	39.35	55.88	51.29	37.17	36.94	32.19	26.11	27.26	39.58	43.94	45.23	51.97	60.77	47.28	46.83	66.86	62.22	58.38	63.36	
1	2016 June	Market Pri 7 PM Mkt	26.07	28.49	28.22	27.83	39.67	46.48	49.75	50.13	51.14	47.22	38.67	39.28	51.44	47.89	35.79	35.89	30.06	25.47	27.31	39.64	42.16	43.32	48.75	55.14	44.98	46.28	60.39	55.94	53.01	55.38	
1	2016 June	Market Pri 8 PM Mkt	24.07	26.54	26.05	28.89	37.29	43.46	47.29	46.06	47.04	44.43	36.83	38.11	47.84	43.62	32.8	33.22	26.86	25.31	26.11	38.96	40.99	40.61	45.27	50.57	44.14	45.16	53.85	50.72	49.98	48.7	
1	2016 June	Market Pri 9 PM Mkt	24.65	26.97	26.11	29.37	34.7	41.07	44.81	43.22	45.47	41.07	33.5	35.76	44.5	40.94	32.21	30.15	25.57	25.19	26.1	37.34	39.97	39.12	41.6	47.06	41.86	44.31	51.3	47.76	47.1	46.24	
1	2016 June	Market Pri 10 PM Mkt	25.33	27.41	25.79	28.91	36.29	40.43	43.83	42.63	45.02	39.94	33.72	36.84	43.81	39.97	32.78	30.36	25.27	25.31	26.76	36.95	39.1	38.82	41.51	44.39	42.97	44.29	49.41	46.45	45.27	44.06	
1	2016 June	Market Pri 11 PM Mkt	24.6	25.39	23.26	26.64	29.99	35.16	42.35	39.37	41.41	39.17	29.49	30.89	40.98	33.03	25.77	28.2	24.96	24.76	25.13	28.92	37.37	35.03	43.16	44.25	39.35	42.39	45.22	43.4	43.94	43.3	
1	2016 June	Market Pri Midnight M	22.78	23.86	23.25	24.12	24.94	27.27	30.05	27.75	32.47	27.82	25.55	26.44	28.71	25.83	24.67	24.87	22.99	22.96	23.45	24.76	28.68	25.61	33.03	36.54	29.37	34.7	38.87	37.08	37.62	36.89	
1	2016 July	Market Pri 1 AM Mkt	26.36	22.88	21.4	22.21	22.84	22.84	22.93	23.18	23.01	22.84	23.61	26.59	26.54	26.2	26.69	27.08	26.38	29.76	27.22	31.39	32.1	33.67	31.09	26.55	34.78	36.48	27.7	22.84	23.18	23.47	23.18
1	2016 July	Market Pri 2 AM Mkt	22.97	20.75	20.76	20.61	21.6	22.42	22.11	22.01	21.6	21.32	22.73	23.38	23.43	23.34	23.78	24.73	23.71	25.3	24.29	25.82	27.32	26.8	26.73	24.1	27.61	31.61	25.36	22.31	21.08	22.43	21.8
1	2016 July	Market Pri 3 AM Mkt	22.69	21.15	20.54	20.58	21.09	21.63	21.54	21.14	20.86	20.82	21.77	22.69	23.18	22.77	22.95	22.84	22.59	23.82	23.18	24.52	25.37	25.11	23.96	23	26.11	25.82	24.52	20.64	20.7	21.41	21.09
1	2016 July	Market Pri 4 AM Mkt	22.11	20.77	20.07	20.3	20.77	21.42	21.43	21.09	20.56	20.39	21.23	21.87	22.52	22.44	22.65	22.43	22.07	23.08	22.84	22.97	24.38	23.18	22.97	22.32	24.69	24.94	23.72	21.84	21.21	21.02	20.85
1	2016 July	Market Pri 5 AM Mkt	22.44	20.54	19.92	20.07	20.76	21.48	21.36	21.14	20.21	20.46	21.57	21.88	22.43	22.43	22.6	21.66	21.6	23.18	22.84	23.18	24.05	23.18	22.44	21.88	25.39	24.94	23.57	21.57	21.41	20.87	20.59
1	2016 July	Market Pri 6 AM Mkt	22.41	20.5	19.49	19.92	21.41	21.44	21.54	21.21	20.3	20.1	22.14	22.44	23.18	22.71	22.93	21.84	21.56	24.63	22.84	23.78	24.61	24.14	22.55	21.54	26.92	25.45	23.82	22.29	21.99	20.83	20.58
1	2016 July	Market Pri 7 AM Mkt	22.12	20.65	18.94	19.95	19.45	20.29	20	19.95	20.52	19.84	21.43	23.19	25.02	24.22	24.26	22.21	21.28	29.8	25.43	25.65	28.56	28.03	22.69	21.54	32.55	31.11	23.85	20.62	21.25	21.31	20.57
1	2016 July	Market Pri 8 AM Mkt	25.21	21.08	20.29	20.57	22.23	23.07	23.19	22.55	21.31	20.75	25.97	28.85	31.3	30.71	30.13	23.18	22.62	34.38	31.11	31.34	33.65	32.8	23.82	22.62	35.71	34.4	28.75	23.17	23.19	21.56	21.15
1	2016 July	Market Pri 9 AM Mkt	31.6	21.96	21.16	21.6	26.51	27.77	27.34	26.88	23.02	22.18	31.6	33.54	34.44	34.94	34.73	25.83	24.13	36.7	34.66	34.86	36.94	35.68	27.7	25.83	38.1	37.15	32.71	28.71	28.77	22.94	22.43
1	2016 July	Market Pri 10 AM Mkt	34.17	22.84	21.98	23.45	31.6	30.45	31.97	32.84	25.71	23.78	35.3	35.94	35.77	37.51	37.14	32.99	29.63	41.25	37.51	38.15	41.3	39.9	37.1	31.05	42.3	41.76	34.53	32.42	32.65	26.09	24.62
1	2016 July	Market Pri 11 AM Mkt	35.47	24.89	23.58	27.22	34.41	33.53	34.68	35.08	27.45	27.53	38.49	37.52	38.17	40.51	41.06	38.35	38.19	46.87	42.15	42.51	45.66	43.67	38.57	37.1	48.35	47.01	35.57	34.62	34.8	31.68	30.69
1	2016 July	Market Pri Noon Mkt	36.66	25.39	26.11	33.84	35.92	34.74	35.69	36.15	37.72	36.31	41.51	41.33	41.78	43.84	43.84	39.99	40.29	52.64	47.02	48.15	50.24	48.38	40.37	41.32	55.89	54.92	36.07	35.64	35.6	33.83	37.67
1	2016 July	Market Pri 1 PM Mkt	38.12	26.69	28.48	38.41	37.06	35.98	37.28	37.18	38.13	38.3	45.35	43.66	42.92	47.53	46.97	41.82	42.21	60.91	52.62	51.97	58.28	54.05	41.53	42.06	74.32	66.88	36.4	34.17	36.52	37.1	38.48
1	2016 July	Market Pri 2 PM Mkt	39.74	28.38	31.76	40.29	38.6	37.47	39.61	38.7	39.53	39.59	49.11	46.67	46.35	49.73	48.22	42.89	43.25	72.48	58.62	61.23	74.41	65.12	42.65	43.69	97.21	83.32	37.01	37.55	38.81	38.46	39.54
1	2016 July	Market Pri 3 PM Mkt	39.83	29.36	33.37	40.26	40.19	38.39	40.82	38.92	40.43	40.58	52.25	49.68	47.1	52.78	52.51	43.33	43.44	83.31	63.04	68.38	86.25	77.6	43.14	44.9	118.69	98.68	37.19	38.95	40.4	38.49	40.67
1	2016 July	Market Pri 4 PM Mkt	39.8	30.47	34.4	40.9	40.43	39.61	41.71	39.65	41.25	41.15	54.3	50.55	48.46	51.9	52.18	43.35	43.37	86.8	65.79	72.28	86.35	82.71	41.65	46.13	131.34	88.91	36.08	40.24	41.03	40.29	40.97
1	2016 July	Market Pri 5 PM Mkt	39.61	31.17	35.24	40.55	40.51	40.35	41.75	40.01	40.37	41.57	55.48	49.93	48.83	52.66	51.57	43.46	41.69	86.45	66.57	75.87	80.16	82.9	41.66	46.5	112.03	97.29	36.48	40.85	41.1	40.51	41.45
1	2016 July	Market Pri 6 PM Mkt	38.48	33.59	35.15	40.91	39.73	40.19	41.6	39.97	41.22	41.78	53.91	47.47	47.71	50.8	50.53	43.3	43.97	78.47	63.92	73.35	82.07	77.75	44.12	46.92	118.84	66.62	35.94	41.35	40.6	41.07	42
1	2016 July	Market Pri 7 PM Mkt	36.22	31.01	35.12	41.28	38.72	39.48	39.95	38.02	41.1	41.71	50.55	45.31	45.78	49.19	46.97	43.08	43.3	65.18	58.45	64.6	70.74	61.13	43.51	46.44	90	61.79	35.52	39.73	37.82	40.46	42.05
1	2016 July	Market Pri 8 PM Mkt	35.18	30.68	31.7	39.6	36.73	37.4	38	36.89	40.29	40.72	46.35	41.21	41.69	46.76	44.38	41.87	43.22	55.5	51	55.76	58.68	51.74	42.04	44.28	76.14	53.79	35	37.47	36.24	39.62	41.34
1	2016 July	Market Pri 9 PM Mkt	33.97	27.3	30.73	35.92	35.24	36.35	36.8	36.26	37.87	40.25	41.3	39.14	42.57	44.32	42.11	41.06	42.25	50.07	47.11	51.47	53.02	48.06	41	44.03	64.36	48.01	35	36.37	35.22	38.26	41
1	2016 July	Market Pri 10 PM Mkt	33.23	25.29	32.1	33.06	34.84	35.49	35.96	34.98	36.91	39.23	40.64	38.15	41.05	42.23	41.25	40.6	42.31	46.41	44.94	49.01	50.37	44.98	41.28	43.63	54.32	44.87	34.75	35.77	34.93	36.75	41.1
1	2016 July	Market Pri 11 PM Mkt	32.14	25.37	28.52	27.36	31.66	35.88	36.02	33.02	32.14	37.1	39.83	38.41	40.29	40.43	40.12	38.37	41.12	40.86	41.18	43.08	42.6	41.73	40.45	43.19	43.94	41.12	31.33	34.8	33.63	32.58	38.18
1	2016 July	Market Pri Midnight M	25.39	22.87	24.51	25.25	25.36	26.9	26.88	27.12	25.68	28.13	31.2	35.05	35.71	36.24	36.07	32.18	37.61	35.22	36.58	38.62	39.41	38.15	33.85	40.32	40.74	33.77	24.96	26.53	27.09	26.1	31.38
1	2016 August	Market Pri 1 AM Mkt	26.49	30.3	34.67	37.24	30.29	24.17	23.49	25.11	27.68	31.31	31.31	27.59	27.76	24.3	21.4	23.56	24	27.04	27.68	27.91	25.61	23.35	23.04	22.85	23.39	23.38	23.79	23.04	23.04	21.67	22.76
1	2016 August	Market Pri 2 AM Mkt	23.39	25.6	27.04	30.28	26	23.04	22.92	23.39	24.3	26.48	25.9	25.21	25.62	23.25	23	22.89	23.13	24.18	25.52	25.51	23.39	22.83	22.51	20.87	22.32	22.63	22.64	22.95	22.31	22.03	22.24
1	2016 August	Market Pri 3 AM Mkt	22.89	24.04	24.81	26.88	23.58	22.16	21.68	22.97	23.16	23.5	23.97	23.56	23.58	22.83	22.64	22.58	21.28	23.04	23.56	23.38	21.33	22.6	22.12	21.68	21.53	22.02	21.73	21.51	22.03	21.83	21.83
1	2016 August	Market Pri 4 AM Mkt	22.19	23.17	23.51	25.11	23.17	21.68	21.5	22.29	23.04	23.04	23.04	23.17	23.04	22.64	21.79	22.6	21.83	22.49	23.04	22.95	22.62	22.36	21.6	21.28	21.33	21.51	21.55	21.33	21.74	21.74	21.61
1	2016 August	Market Pri 5 AM Mkt	22.13	23.39	23.22	24.23	23.04	21.66	21.33	22.31	22.81	22.89	23.04	23.1	22.89	21.74	22.57	22.53	21.82	22.5	23.39	22.89	22.21	22.42	21.68	21.28	21.35	21.58	21.62	21.21	21.75	21.72	21.74
1	2016 August	Market Pri 6 AM Mkt	22.85	23.48	24	25.31	23.36	21.68	21.33	22.88	23.39	23.39	23.87	23.39	22.98	21.83	22.98	23.04	22.64	23.39	23.56	22.85	22.04	22.8	22.48	21.83	22.04	22.6	21.64	21.33	22.3	22.11	22.16
1	2016 August	Market Pri 7 AM Mkt	21.02	24.64	25.62	28.62	23.4	21.73	21.13	22.35	24.32	26.36	25.63	24.08	22.89	21.69	20.6	21.83	20.81	25.22	25.62	23.15	22.16	20.54	20.03	19.65	20.6	21	21.74	21.41	20.53	19.36	20.08
1	2016 August	Market Pri 8 AM Mkt	24.38	29.55	30.73	31.15	27.34	22.6	21.53	25.96	28.86	29.98	28.78	28.65	23.38	22.16	23.3	25.71	25.57	26.51	29.53	23.67	22.62	21.61	21.88	21.35	22.41	24.33	22.8	21.39	23.66	22.31	23.78
1	2016 August	Market Pri 9 AM Mkt	30.73	32.97	33.97	34.49	31.45	23.47	22.96	31.07	32.66	33.01	31.58	31.93	26.37	23.17	27.83	28.69	28.86	30.41	32.57	27.47	23.39	27.26	25.17	25.8	26.37	29.57	23.56	22.6	27.4	27.79	27.22
1	2016 August	Market Pri 10 AM Mkt	33.24	37.39	39.04	39	33.98	26.81	25.53	33.96	34.34	34.08	33.92	35.63	33.08	24.28	31.33	31.45	31.81	32.58	34.42	36.17	27.54	30.94	28.38	28.36	30.09	31.5	27.33	23.89	30.63	30.22	30.01
1	2016 August	Market Pri 11 AM Mkt	37.6	43.39	46.06	44.69	36.64	34.01	32.49	38.26	38.68	41.62	39.39	41.8	40.5	27.82	32.89	34.39	34.5	34.98	37.54	40.17	34.43	32.84	31.16	31.45	32.06	32.82	32.49	27.61	32.69	32.5	32.1
1	2016 August	Market Pri Noon Mkt	43.41	51.27	58.06	54.68	40.18	35.44	35.77	42.52	43.01	49.36	44.55	48.38	42.81	28.14	35.99	36.14	37.82	38.71	40.94	42.97	37.87	34.54	32.08	32.58	33.13	33.98	37.47	32.82	34.31	32.68	32.72
1	2016 August	Market Pri 1 PM Mkt	50.07	61.87	79.45	71.99	44.92	38.53	39.25	48.12	48.5	55.86	52.79	59.47	44.23	35.4	38.71	36.89	40.51	42.96	45.15	43.12	39.63	37.08	32.65	33.45	35.39	35.51	38.42	37.14	36.78	33.48	33.94
1	2016 August	Market Pri 2 PM Mkt	60.31	86.86	122.71	89.79	48.51	38.96	41.41	52.76	55.47	65.71	63.7	80.82	46.48	35.58	40.61	39.19	44.24	46.46	47.61	43.97	41.41	38.5	33.59	34.6	36.73	36.91	38	38.99	38.12	35.13	36.07
1	2016 August	Market Pri 3 PM Mkt	73.93	109.37	133.21	98.66	50.26	41.37	42.24	59.06	63.31	78.56	73.41	102.35	48.19	38	41.25	39.79	46.2	49.3	54.51	46.28	41.69	39.74	33.63	35.85	37.87	38.08	39.58	41.26	39.54	34.91	38.08
1	2016 August	Market Pri 4 PM Mkt	85.03	148.52	159.89	114.38	49.04	42.18	43.06	61.29	68.77	87.81	77.42	90.3	48.38	38.28	41.34	39.92	49.71	51.59	59.01	47.24	42.43	40.24	33.48	36.81	38.75	38.42	40.54	41.58	39.7	34.53	39.3
1	2016 August	Market Pri 5 PM Mkt	84.48	133.54	180.65	97.87	47.73	42.62	43.56	60.8	71.66	85.32	77.42	87.96	48.43	40.44	40.87	39.38	51.95	54.18	64.32	47.44	42.7	40.02	33.01	37.78	39.57	38.6	41.39	41.96	40.17	34.28	40.75

1	2016 August	Market Pri 6 PM Mkt	82.34	125.74	170.44	98.97	44.78	41.98	44.39	57.37	68.48	79.32	71.8	80.79	46.57	38.95	39.77	38.8	50.48	53.2	59.39	46.75	43.28	38.74	32.78	37.12	38.87	36.92	41.26	42.58	39.61	33.86	39.13
1	2016 August	Market Pri 7 PM Mkt	74.63	90.92	121.78	78.51	42.24	42.12	43.42	52.57	54.71	69.51	56.12	65.03	44.35	37.7	38.52	37.67	46.07	48.2	50.53	44.89	42.06	36.62	32.36	35.07	36.03	34.46	40.21	42.91	38.38	33.56	37.07
1	2016 August	Market Pri 8 PM Mkt	61.41	71.13	78.86	59.8	38.24	39.19	42.88	47.61	50.26	55.91	48.41	52.01	41.79	36.7	37.1	36.17	43	44.13	42.91	43.56	41.24	34.62	31.6	33.69	34.39	33.12	38.82	40.83	36.98	32.55	34.15
1	2016 August	Market Pri 9 PM Mkt	54.04	60.86	74.1	52.93	35.84	38.34	42.08	44.52	45.76	51.64	45.13	47.6	42.09	36.68	36.89	35.78	42.3	42.29	41.73	42.93	40.11	34.56	31.99	33.72	34.27	33.4	37.59	41.52	37.1	32.96	34.26
1	2016 August	Market Pri 10 PM Mkt	46.35	51.97	58.47	47.08	33.76	38.43	41.41	42.58	42.81	46.56	42.13	43.47	41.51	36.01	34.7	34.26	38.54	39.3	38.93	42.49	38.88	32.79	31.45	32.88	32.95	33.22	37.78	38.74	34.75	31.99	32.57
1	2016 August	Market Pri 11 PM Mkt	43.39	44.08	45.87	42.36	35.37	36.28	38.76	42.42	43.27	43.14	41.75	42.62	34.05	29.33	37.9	36.67	40.45	41.41	41.64	40.15	36.54	33.95	28.7	34.09	35.34	33.53	32.62	31.31	34.13	29.47	31.43
1	2016 August	Market Pri Midnight k	38.7	39.82	41.47	37.55	27.19	26.85	30.36	37.75	38.83	38.79	35.94	36.55	26.88	24.92	24.77	27.33	34.5	35.67	35.72	32.21	26.73	25.35	23.81	27.13	25.94	26.88	25.5	24.93	25.86	24.04	25.17
1	2016 September	Market Pri 1 AM Mkt	23.26	23.09	21.85	21.23	21.24	21.39	23.81	24.65	23.38	24.68	24.27	24.4	25.41	26.1	24.28	23.66	22.67	21.9	22.88	24.12	24.61	25.41	24.8	23.85	23.48	21.48	22.67	23.11	23.45	20.81	
1	2016 September	Market Pri 2 AM Mkt	22.19	21.7	21.4	20.81	20.8	21.12	22.72	22.95	22.08	23.81	22.95	22.87	23.55	24.27	23.42	22.32	21.96	21.51	22.02	22.71	23.48	24.68	23.07	22.67	22.27	22.8	22.12	23.06	21.58	20.81	
1	2016 September	Market Pri 3 AM Mkt	21.12	21.44	21.12	20.81	20.81	21.11	22.18	22.03	21.44	22.72	22.1	21.88	22.61	23.55	22.72	21.87	21.7	21.25	21.41	21.97	22.89	23.13	23.07	21.21	21.86	22.32	21.67	22.72	22.2	21.48	
1	2016 September	Market Pri 4 AM Mkt	21.4	21.56	21.08	20.81	20.67	20.86	21.67	21.67	21.63	22.01	21.5	21.58	21.91	23.11	21.95	22.02	21.59	21.12	21.25	21.68	22.44	22.16	22.72	21.99	21.67	22.02	21.67	22.01	21.7	21.54	
1	2016 September	Market Pri 5 AM Mkt	21.36	21.44	20.99	20.67	20.75	20.81	21.42	21.44	21.7	21.7	21.12	21.67	22.31	22.94	21.96	22.35	21.7	21.12	21.4	21.7	22.26	22.16	22.9	21.96	21.58	22.16	21.67	22	21.75	21.58	
1	2016 September	Market Pri 6 AM Mkt	21.7	21.7	21.12	20.67	20.67	21.12	22.25	22.01	22.44	21.81	21.26	22.2	22.72	24.31	22.47	23.13	21.7	21.12	21.87	22.26	23.13	22.74	23.48	21.94	21.7	23.13	21.83	22.87	22.17	22.18	
1	2016 September	Market Pri 7 AM Mkt	23.39	23.17	21.1	20.67	20.86	22.34	26.03	26.05	26.17	22.27	21.27	26.45	27.45	30.9	25.54	26.68	21.75	21.12	25.09	26.1	27.84	29.07	28.97	22.17	21.7	26.23	23.39	27.38	23.42	23.5	
1	2016 September	Market Pri 8 AM Mkt	25.65	27.01	21.12	21.02	20.84	24.83	29.04	29.52	29.93	23.07	21.7	30.11	32.6	32.98	30.21	31.97	22.25	21.48	28.35	30.37	32.03	32.24	32.3	23	21.7	30.07	26.27	29.05	28.52	26.68	
1	2016 September	Market Pri 9 AM Mkt	29.06	29.15	21.7	21.27	21.12	27.53	32.24	32.24	32.24	24.8	22.89	32.89	33.67	33.35	32.63	32.7	23.48	22.38	30.21	32.91	33.74	33.58	32.98	23.95	23.2	34.16	28.64	32.29	29.03	27.94	
1	2016 September	Market Pri 10 AM Mkt	33.44	33.2	24	21.88	21.96	31.88	33.5	34.35	34.95	29.1	24.68	34.82	35.57	36.21	35.98	35.45	24.26	23.11	33.39	33.1	35.28	36.03	36.17	27.32	24.68	36.49	29.74	33.11	30.97	29.08	
1	2016 September	Market Pri 11 AM Mkt	36.3	36.11	25.41	23.95	24.27	33.93	36.33	36.32	36.26	34.88	25.41	37.47	37.96	37.84	38.25	37.16	27.13	25.2	35.51	36.54	36.94	37.59	37.03	31.39	27.49	36.54	32.97	34.12	31.8	30.37	
1	2016 September	Market Pri Noon Mkt	36.49	36.55	30.7	25.19	26.75	36.48	37.54	37.71	37.63	36.65	34.39	38.9	41.31	37.92	38.99	38.72	29.1	27.09	37.47	37.51	38.42	39.54	38.21	33.19	30.93	36.93	33.3	35.03	32.95	30.89	
1	2016 September	Market Pri 1 PM Mkt	38.84	36.35	29.02	27.99	30.15	37.3	39.07	39.06	38.36	38.71	37.06	41.17	43.74	42.07	41.1	38.38	31.32	29.16	38.05	37.72	40.17	41.1	39.35	35.68	35.21	37.3	36.89	36.76	32.82	31.21	
1	2016 September	Market Pri 2 PM Mkt	41.31	40.25	32.81	27.63	30.44	39.52	40.82	41.01	41.16	38.26	38.94	44.65	46.98	44.11	42.52	40.54	31.49	31.87	38.65	41.03	42.98	43.72	41.12	36.09	35.02	37.44	37.14	35.68	33.07	32.9	
1	2016 September	Market Pri 3 PM Mkt	42.75	41.1	34.39	31.44	30.53	41	42.05	42.07	43.18	40.13	39.49	47.53	51.06	45.41	43.12	39.94	33.48	25.93	42.36	43.47	44.86	45.22	42.07	36.02	35.9	36.41	37.47	37.78	33.07	33.08	
1	2016 September	Market Pri 4 PM Mkt	43.93	41.8	34.44	31.67	34.72	41.9	43.39	43.04	44.63	40.2	39.54	50.38	55.37	46.24	43.36	39.81	32.67	33.47	43.77	44.52	47.14	47.1	41.79	35.88	35.89	35.9	36.58	36.7	32.98	33.1	
1	2016 September	Market Pri 5 PM Mkt	43.51	41.92	34.39	30.78	35.02	42.85	44.08	42.86	44.88	43.32	38.76	51.81	58.55	46.71	43.29	38.86	32.85	34.44	44.78	45.2	48.57	47.4	41.14	35.02	35.31	38.04	37.86	36.69	32.75	33.04	
1	2016 September	Market Pri 6 PM Mkt	43.31	41.39	34.55	32.34	36.27	42.71	43.74	42.35	44.35	40.34	39.71	51.58	56.19	45.53	42.41	37.86	31.1	34.44	44.44	44.53	47.59	45.72	39.64	35.98	35.59	35.68	37.75	37.56	32.24	32.67	
1	2016 September	Market Pri 7 PM Mkt	42.21	37.52	34.52	32.32	34.72	41.01	42.07	40.3	41.29	40.38	39.02	49.32	49.5	43.99	41.19	36.54	33.56	33.39	43.26	42.6	44.31	43.87	36.33	35.9	38.42	35.68	36.61	37.14	32.09	32.05	
1	2016 September	Market Pri 8 PM Mkt	37.53	36.52	28.99	29.22	34.1	40.01	40.65	39.89	39.47	38.33	38.33	46.7	48.11	44.05	41.4	36.17	32.52	35.02	42.31	42.08	42.86	43.95	36.55	38.4	35.02	37.11	38.45	37.47	33.28	32.83	
1	2016 September	Market Pri 9 PM Mkt	40.95	36.53	31.58	28.31	35.02	39.53	40.25	39.27	38.99	38.26	38.28	46.14	46.51	43.93	42.07	36.2	32.82	31.54	42.07	40.62	41.8	42.6	36.74	38.02	39.01	38.78	37.31	37.47	33.07	31.89	
1	2016 September	Market Pri 10 PM Mkt	37.68	33.51	27.68	25.41	32.49	37.44	37.49	37.47	36.95	36.67	37.87	41.54	42.42	40.41	38.35	32.79	30.64	33.63	36.95	37.88	38.67	39.99	33.06	35.02	34.83	36.07	34.1	34.68	30.6	29.59	
1	2016 September	Market Pri 11 PM Mkt	32.74	29.07	24.85	24.27	26.72	33.88	35.88	33.07	34.91	33.24	34.38	37.83	38.62	35.66	31.94	27.57	25.08	29.11	34.65	33.42	35.97	39.54	31.57	28.5	28.69	31.24	28.65	31.24	24.27	24.53	
1	2016 September	Market Pri Midnight k	25.24	23.87	23.06	22.47	24	25.41	28.74	25.41	28.46	27.06	27.12	31.38	31.99	28.44	25.18	23.36	23.79	24.8	26.7	27.09	33.02	28.99	24.8	25.1	25.11	23.55	24.41	24.84	22.7	21.26	
1	2016 October	Market Pri 1 AM Mkt	26.36	25.79	30.16	33.17	32.88	30.2	26.82	26.38	24.62	25.71	25.23	25.79	25.94	25.52	25.83	24.17	25.17	24.15	25.55	25.93	25.69	26.07	24.54	24.82	25.6	26.07	25.97	25.61	25.79	24.35	24.51
1	2016 October	Market Pri 2 AM Mkt	25.63	25.01	28.53	30.02	29.31	28.41	26.17	25.7	24.31	24.65	24.48	24.61	25.26	24.51	24.61	23.77	24.49	24.45	24.5	25.28	24.54	25.04	24.1	24.57	24.67	24.8	25.21	24.47	24.86	24.34	24.21
1	2016 October	Market Pri 3 AM Mkt	25.29	24.49	27.54	27.4	27.79	26.81	25.36	25.25	24.03	24.65	24.51	24.53	24.54	24.51	24.5	23.68	24.3	24.03	24.3	24.63	24.51	24.8	24	24.49	24.27	24.57	24.67	24.41	24.67	24.28	24.19
1	2016 October	Market Pri 4 AM Mkt	24.99	24.54	27	26.67	26.93	26.23	25.63	25.23	24.02	24.47	24.11	24.26	24.47	24.31	24.21	23.65	24.3	24.07	24.15	24.31	24.51	24.65	23.84	24.47	24.35	24.32	24.47	24.46	24.95	24.11	24.28
1	2016 October	Market Pri 5 AM Mkt	24.52	24.23	27.51	26.6	27.11	26.24	24.94	24.76	23.84	25	24.47	24.51	24.48	24.11	24.03	23.53	24.67	24.11	24.32	24.33	24.51	24.38	23.84	24.61	24.66	24.67	24.83	24.51	24.67	24.32	24.67
1	2016 October	Market Pri 6 AM Mkt	24.84	24.28	29.33	29.3	28.71	27.35	26.07	25.23	23.9	25.73	25.54	25.52	25.3	24.67	23.96	23.52	25.17	25.05	25.79	25.55	24.67	24.59	23.91	26.07	26.01	26.23	26.57	25.63	25.05	24.67	26.12
1	2016 October	Market Pri 7 AM Mkt	25.62	24.48	36.4	35.46	35.25	33.5	28.68	25.67	23.98	29.7	29.65	28.99	28.13	26.06	24.4	23.77	28.92	27.45	27.6	28.08	27.1	25.09	24.15	32.85	31.54	32.23	32.41	28.94	26.1	24.65	32.27
1	2016 October	Market Pri 8 AM Mkt	26.23	24.99	37.44	36.75	36.66	35.99	33.56	26.55	24.96	33.47	32.19	32.37	34.02	31.98	25.28	24.02	35.72	32.63	32.41	33.19	31.56	26.01	25.17	36.77	35.54	35.63	35.36	34.44	27.67	25.79	35.65
1	2016 October	Market Pri 9 AM Mkt	27.29	26.19	38.03	37.27	36.75	36.15	34.06	27.79	25.73	33.98	33.96	33.95	34.69	32.4	26.21	24.73	35.45	32.64	33.1	35.33	32.55	26.92	25.79	36.78	35.36	35.64	35.65	34.71	30.36	27.19	35.58
1	2016 October	Market Pri 10 AM Mkt	30.01	29.37	39.02	38.72	38.63	38.72	35.97	30.19	27.06	35.11	35.32	34.99	35.53	34.66	27.79	25.79	36.15	34.99	34.18	35.38	34.99	28.78	27.37	36.79	35.36	35.33	36.3	34.99	30.17	26.67	35.55
1	2016 October	Market Pri 11 AM Mkt	32.19	30.48	40.26	40.08	39.78	39.85	35.35	31.89	27.55	36.36	35.26	35.33	36.5	35.22	29.42	26.3	36.72	35.44	35.17	35.72	35.17	30.6	27.51	36.64	35.19	34.45	36.41	34.66	30.58	26.34	35.44
1	2016 October	Market Pri Noon Mkt	36.64	34.57	41.62	41.46	40.82	40.13	35.24	32.48	27.75	35.83	35.26	35.36	36.64	36.28	28.78	27.11	36.78	36.16	35.69	36.68	35.54	31.02	27.79	36.79	34.99	34.1	35.65	33.65	29.9	26.01	35.34
1	2016 October	Market Pri 1 PM Mkt	36.94	37.28	42.49	41.94	41.8	39.94	34.99	30.11	27.69	36.38	34.99	35.24	36.8	35.17	31.28	27.36	36.82	36.53	36.53	36.43	34.12	30.19	27.62	36.37	34.18	32.54	35.16	32.21	27.51	26.01	34.99
1	2016 October	Market Pri 2 PM Mkt	37.46	38.31	43.33	43.68	42.25	40.11	35.21	29.31	27.65	36.35	35.45	35.94	36.64	35.4	28.78	27.69	36.72	36.82	36.44	36.7	34.99	28.35	27.51	35.87	34.46	32.33	34.42	31.55	26.67	24.97	34.75
1	2016 October	Market Pri 3 PM Mkt	37.48	38.81	43.81	44.46	43.33	40.11	34.99	28.78	27.12	35.36	35.54	36.64	36.69	35.36	28.78	27.02	36.85	35.41	36.65	36.92	34.74	28.1	27.18	35.1	34.05	32.4	33.76	29.08	25.89	25.4	33.13
1	2016 October	Market Pri 4 PM Mkt	37.94	41.17	44.97	44.61	44.46	40.11	34.46	28.25	27.12	35.59	35.4	36.37	36.64	35.17	30.15	27.79	36.64	36.34	36.69	36.73	34.54	27.51	27.19	35.11	32.35	32.15	33.27	28.39	25.51	24.67	33.27
1	2016 October	Market Pri 5 PM Mkt	37.09	43.96	45.19	44.96	44.91	40.13	34.99	27.95	26.34	35.36	35.36	36.16	36.46	35.51	29.35	27.6	36.72	36.62	36.86	36.79	34.49	27.79	27.19	35.43	33.47	32.17	33.05	28.54	25.31	24.99	34.28
1	2016 October	Market Pri 6 PM Mkt	39.96	43.64	44.65	44.94	43.61	40.03	34.99	28.33	28.78	35.41	35.55	36.39	36.56	34.99	29.47	28.78	36.7	36.64	36.99	35.65	34.99	28.9	28.78	36.48	35.49	32.76	33.95	28.82	26.38	27.95	35.47
1	2016 October	Market Pri 7 PM Mkt	39.29	43.28	43.71	44.33	43.04	40.04	34.99	27.87	31.23	36.06	36.91	36.6	36.64	36.23	28.78	29.55	36.64	36.64	36.79	37.05	35.41	31.06	33.01	39.09	36.91	36.02	35.56	32.41	27.95	31.29	35.95
1	2016 October	Market Pri 8 PM Mkt	39.23	42.81	44.83	44.67	43.54	41.25	35.17	32.2	35.45	36.71	36.64	37.27	36.73	36.4	31.83	37.63	37.25	36.64	38.51	36.64	36.17	32.28	37.66	38.61	36.64	36.64	36.64	33.63	28.98	30.4	35.25
1	2016 October	Market Pri 9 PM Mkt	39.05	45.18	43.47	43.26	41.85	39.99	35.36	32.17	36.29	36.12	36.42	37.13	37.07	35.3	30.18	37.36	36.64	36.68	36.64	36.38	34.99	31.39	37.58	36.64	37.27	36.75	36.05	33.37	28.78	29.2	34.29
1	2016 October	Market Pri 10 PM Mkt	36.08	43.06	40.37	40.33	40.74	38.94	34.12	29.61	31.78	35.54	35.36	36.64	36.46	33.34	28.45	31.47	36.08	36.46	36.46	36.12	33.31	28.78	32.74	35.44	34.65	35.36	34.21	32.41	27.18	27.53	31.99
1	2016 October	Market Pri 11 PM Mkt	30.11	41.7	42.99	43.56	42.63	37.74	30.19	27.51	30.19	30.55	33.14	32.6	30.58	29.51	26.5	28.52	31.33	32.02	33.6	31.83	28.78	26.98	30.02	30.17	31.24	31.44	29.66	28.44	26.21	26.67	27.51
1	2016 October	Market Pri Midnight k	27.26	37.31	38.08	39.61	37.57	29.48	26.92	26.27	27.35	26.26	27.02	27.68	27.19	26.34	24.99	26.08	26.67	27.2	27.83	26.67	26.34	25.99	27.51	26.67	27.68	27.51	27.08	26.45	25.06	25.42	25.17
1	2016 November	Market Pri 1 AM Mkt	25.16	25.01	25.33	24.92	25.1	24.28	24.66	25.05	24.84	25.33	25.6	25.9	24.37	24.79	25.06	25.33	30.27	32.23	29.54	25.17	25.48	26.27	28.41	25.48	26.81	27.78	24.83	25.16	25.69	28.25	
1	2016 November	Market Pri 2 AM Mkt	24.47	24.67	25.33	24.77	24.47	24.23	24.61	24.61	24.47	25.04	25.26	25.07	24.45	24.81	24.78	24.93	29.23	30.26	27.58	25.08	25.22	25.67	27.68	25.18	26.47	26.77	24.53	24.79	25.33	26.81	
1	2016 November	Market Pri 3 AM Mkt	24.62	24.74	24.89	24.78	24.31	24.16	24.4	24.78	24.24	24.78	25.06	24.85	24.28	24.47	24.94	24.59	29.16	29.54	27.03	24.87	25.02	25.64	27.3	24.96	26.72	26.19	24.88	24.71	25.33	26.47	
1	2016 November	Market Pri 4 AM Mkt	24.47	24.66	24.88	24.47	24.21	24.15	24.28	24.66	24.47	24.64	25.18	24.98	24.28	24.24	24.73	24.91	28.67	28.96	27.07	24.91	25.12	25.92	27.44	24.72	26.68	25.78	24.83	24.47	24.96	27.18	
1	2016 November	Market Pri 5 AM Mkt	24.67	24.77	24.94	23.88	24.28	23.94	24.47	24.67	24.67	24.87	25.25	25.03	24.28	24.72	24.67	25.33	29.54	31	26.93	24.91	25.15	26.47	27.83	24.95	26.94	25.63	24.66	24.6	25.18	28.12	
1	2016 November	Market Pri 6 AM Mkt	25.58	26.44	26.81	25.48	24.47	24.12	25.21	25.18	25.33	25.83	27.77	25.31	24.33	25.29	25.23	26.47	34.88	39.84	27.8	24.97	27.63	28.16	31.89	24.92	28.01	26.46	24.59	25.31	27.38	32.33	
1	2016 November	Market Pri 7 AM Mkt	27.09	30.45	29.85	28.94	24.36	24.15	27.11	25.01	27.97	30.91	33.68	25.33	24.43	28.24	26.67	30.29	37.9	39.52	28.25	25.11	33.63	33.72	36.27	25.13	28.2	27.38	24.62	29.02	28.81	38.21	
1	2016 November	Market Pri 8 AM Mkt	33.03	36.04	34.18	33.11	24.82	24.12	32.62	30.66	33.06	35.23	36.09	26.47	24.65	31.75	33.61	36.59	39.15	40.3	31.06	25.59	36.94	36.79	38.22	26.77	33.62	28.06	25.17	33.66	35.17	38.7	
1	2016 November	Market Pri 9 AM Mkt	33.07	36.1	34.72	34.72	26.46	24.4	34.91	31.54	35.03	35.32	37.62	27.81	24.77	35.51	31.68	38.19	38.32	38.89	33.57	26.99	36.84	35.94	38.41	27.38	35.96	29.9	25.55	35.47	35.35	39.42	
1	2016 November	Market Pri 10 AM Mkt	33.4	36.17	34.57	36.65	27.69	25.16	35.96	33.06	36.05	36.08	36.45	28.74	25.71	35.99	34.9	37.66	38.55	38.38	35.97	28.07	37.75	36.2	38.69	30.01	36.4	33.34	26.77	36.52	35.98	38.33	
1	2016 November	Market Pri 11 AM Mkt	33.63	37.43	35.56	37.18	29.28	26.47	36.94	33.67	36.41	35.87	37.18	29.4	26.44	36.57	34.72	37.85	38.75	39.43	36.42	28.25	38.09	36.02	38.24	33.52	36.27	33.86	27.38	37.37	36.15	39.02	
1	2016 November	Market Pri Noon Mkt	32.72	35.96	36.05	36.29	29.94	27.58	36.81	33.55	37.18	35.78	36.46	29.71	26.83	36.95	34.55	38.13	38.47	38.55	33.86	28.41	37.57	35.28	38.47	32.38	35.15	31.27	28.25	37.62	36.05	38.51	
1	2016 November	Market Pri 1 PM Mkt	30.25	36.6	34.38	36.63	29.35	27	36.74	29.31	36.64	36.4	36.05	28.6	27.38	36.61	32.28	38.47	38.34	38.49	32.21	27.79	37.65	33.71	38.47	28.67	34.72	30.25	27.8	37.57	34.38	38.09	
1	2016 November	Market Pri 2 PM Mkt	30.67	36.66	35.21	36.16	29.11	27	36.74	31.5	36.96	35.94	34.72	28.6	27.55	36.54	32.21	38.24	38.22	38.34	30.24	27.77	37.46	34.72	38.47	27.66	33.67	29.16	27.38	36.87	35.16	38.53	
1	2016 November	Market Pri 3 PM Mkt	30.34	36	35.15	36.58	28.52	26.6	33.7	31.62	36.62	34.49	35.21	28.41	26.39	34.72	31.51	38.22	38.4	38.09	28.85	27.38	36.53	34.72	38.47	26.68	32.43	28.36	27.07	36.54	34.55	39.11	
1	2016 November	Market Pri 4 PM Mkt	26.91	35.22	33.76	34.72	28.52	26.76	36.61	29.31	35.96	34.55	34.61	27.82	26.42	36.1	31.28	38.4	38.72	38.15	28.85	27.57	36.28	33.71	38.26	26.08	33.36	27.87	27.85	36.66	35.32	38.21	
1	2016 November	Market Pri 5 PM Mkt	31.41	36.66	35.19	36.08	28.69	27.38	34.89	33.09	35.03	35.83	34.72	28.41	27.81	36.6	34.09	38.72	38.47	38.11	28.85	28.52	37.46	37.03	38.13	26.27	34.45	29.52	28.85	36.84	36.96	38.96	
1	2016 November	Market Pri 6 PM Mkt	35.13	36.87	36.56	36.62	31.47	29.81	37.92	35.19	38.13	37.18	37.68	29.54	29.08	38.47	36.3	40.18	40.07	38.61	35.98	34.42	38.87	38.47	40.01	28.22	38.4	34.99	35.23	38.53	38.13	41.08	
1	2016 November	Market Pri 7 PM Mkt	36.22	38.23	36.93	36.63	33.84	33.54	38.17	36.52	38.16	38.16	37.21	33.52	33.65	38.47	36.87	40.27	41.04	39.35	39.09	39.74	38.06	39.52	40.08	29.54	38.3	36.87	38.29	38.68	39.23	41.25	
1	2016 November	Market Pri 8 PM Mkt	31.63	37.83	36.24	36.37	31.28	30.24	36.82	34.08	36.87	37.03	36.68	31.72	31.81	37.3	35.2	39.8	40.13	38.47	36.87	36.4	38.72	38.53	38.66	30.24	37.71	34.87	35.14	38.47	38.35	41.07	
1	2016 November	Market Pri 9 PM Mkt	34.46	36.11	36.12	35.06	28.85	29.06	36.06	33.63	36.2	36.16	36.19	28.85	29.54	37.23	34.65	39.16	39.97	38.47	33	36.01	37.48	38.72	37.82	30.3	37.79	32.58	33.52	36.87	38.09	40.2	
1	2016 November	Market Pri 10 PM Mkt	33.49	33.69	32.95	31.66	27.38	27.79	33.63	33.61	35.3	35.19	34.06	27.38	28.25	34.64	34.52	38.17	38.55	38.13	31.03	32.34	36.02	37.99	35.94	29.54	36.05	29.13	30.06	36.12	37.62	39.38	
1	2016 November	Market Pri 11 PM Mkt	28.46	29.17	27.89	28.52	25.66	25.91	29.23	28.85	30.5	31.24	30.15	26.77	25.91	30.14	31.33	42.52	42.76	42.15	28.25	28.09	33.81	39.81	33.86	28.25	33.65	27.81	27.38	33.06	39.41	41.57	
1	2016 November	Market Pri Midnight k	25.68	26.7	25.73	25.81	24.62	24.99	26.67	25.81	26.47	26.93	27.71	24.95	25.23	26.34	26.93	35.04	35.35	35.2	26.47	26.12	28.62	32.04	28.25	27.74	29.48	25.58	25.33	27.38	32.67	35.97	
1	2016 December	Market Pri 1 AM Mkt	23.45	25.05	25.96	23.4	22.96	27.73	32.11	29.15	30.5	31.72	24.83	22.8	24.67	26.48	23.78	26.43	27.15	27.28	26.24	31.62	33.86	30.46	24.34	21.82	21.24	21.26	20.57	21.23	20.92	21.94	20.53
1	2016 December	Market Pri 2 AM Mkt	23.25	23.87	24.38	22.52	22.57	27.3	30.33	28.49	29.74	30.14	23.06	22.8	23.64	22.56	23.64	24.94	26.13	24.14	24.89	30.47	30.69	28.68	23.5	21.25	20.48	20.58	20.17	20.82	20.67	21.21	21.48
1	2016 December	Market Pri 3 AM Mkt	22.46	23.55	22.57	22	21.82	26.2	30.28	28.4	27.71	29.35	23.17	22.11	23.74	24.72	22.75	23.64	25.15	23.28	24.14	29.15	30.35	27.6	22.76	20.88	20.17	20.7	20.17	20.66	20.69	20.88	21.17
1	2016 December	Market Pri 4 AM Mkt	23.03	23.58	23.33	22.04	22.43	26.38	30.14	27.09	27.6	27.6	22.78	22.83	23.64	24.63	23.28	23.62	24.03	23.4	25.78	28.62	30.78	27.58	22.53	20.73	20.17	20.76	20.7	20.88	20.63	20.68	20.65
1	2016 December	Market Pri 5 AM Mkt	23.78	24.94	23.4	22.19	23.15	27.6	33.31	29.6	29.11	27.89	23.12	23.78	24.01	25.35	22.78	24.05	24.1	24.34	29.72	30.69	33.81	30.5	22.57	20.75	20.38	20.88	20.17	20.88	20.88	20.64	20.71
1	2016 December	Market Pri 6 AM Mkt	29.02	30.25	24.96	22.29	27.89	35.62	37.02	36.59	35.74	31.41	23.28	28.12	30.48	29.53	28.48	30.5	27.49	24.87	34.92	38.22	36.92	35.56	23.28	20.01	20.39	21.11	20.42	21.63	21.39	21.26	21.39
1	2016 December	Market Pri 7 AM Mkt	34.62	35.49	26.2	22.73	35.93	36.61	37.31	36.58	36.59	32.98	23.47	35.31	35.61	36.65	35.22	35.4	30.28	25.91	36.53	39.25	37.4	35.82	29.85	20.03	20.15	20.88	23.86	22.74	23.85	23.64	21.5
1	2016 December	Market Pri 8 AM Mkt	36.43	36.93	30.48	22.82	37.59	37.39	39.14	39.24	37.82	38.62	25.69	37.77	37.02	39.21	37.28	36.59	35.6	29.04	39.24	39.79	39.32	37.73	33.44	22.15	20.73	22.1	27.75	26.78	28.5	28.87	22.46
1	2016 December	Market Pri 9 AM Mkt	36.54	36.9	32.23	26.3	37.72	37.28	39.24	38.81	37.82	38.68	30.69	37.62	37.08	37.89	36.63	36.54	36.59	32.7	39.25	39.4	39.12	36.95	33.5	23.57	22.15	23.55	30.55	28.59	30.33	30.57	22.06
1	2016 December	Market Pri 10 AM Mkt	36.15	37.2	36.59	28.08	37.79	37.82	39.15	38.66	38.68	40.83	30.95	36.53	36.49	38.01	36.71	36.58	39.53	34.41	38.28	38.83	38.29	37.83	35.15	24.9	22.83	24.34	30.2	31.19	31.61	31.62	24.98
1	2016 December	Market Pri 11 AM Mkt	36.22	36.62	38.49	28.87	37.79	37.39	37.67	38.75	39.25	40.28	30.6	37.54	36.58	37.97	37.86	36.59	40.07	34.26	39.04	38.54	38.14	37.83	33.69	25.81	23.04	26.45	29.22	31.61	33.39	33.48	25.97
1	2016 December	Market Pri Noon Mkt	36.64	36.6	37.3	28.62	36.84	36.82	37.83	37.8	39.02	40.04	28.23	36.48	35.77	37.85	36.72	36.78	38.37	32	38.07	37.96	38.01	36.34	32.77	24.97	22.93	26.27	28.31	29.98	33.62	33.61	24.85
1	2016 December	Market Pri 1 PM Mkt	35.63	36.58	30.71	27.43	36.65	36.44	37.05	37.25	37.74	35.79	27.5	36.33	35.26	37.68	36.1	36.58	35.41	30.22	37.77	36.67	37.53	35.76	32.14	23.28	22.18	23.93	28.04	31.61	33.62	32.12	23.35
1	2016 December	Market Pri 2 PM Mkt	35.62	35.75	30.96	25.72	36.65	36.33	36.82	37.17	37.75	32.96	26.02	36.27	35.46	37.57	36.17	36.54	32.05	27.23	36.85	36.58	36.57	35.18	27.14	22.91	21.24	23.28	25.41	29.92	33.65	30.65	22.86
1	2016 December	Market Pri 3 PM Mkt	35.72	35.82	29.03	24.82	36.49	36.45	36.83	37.66	36.61	30.4	24.83	35.56	35.24	37.61	36.8	35.98	31.05	26.05	36.8	36.49	36.18	35.17	26.89	22.79	20.66	22.57	24.13	30.55	33.31	26.51	22.92
1	2016 December	Market Pri 4 PM Mkt	35.97	35.55	30.69	24.5	36.58	36.48	37.39	37.83	36.66	30.4	24.73	35.9	35.17	37.74	37.06	36.14	30.59	26.6	36.59	36.41	36.58	35.15	26.71	22.91	20.69	22.64	20.42	27.33	33.5	26.73	22.76
1	2016 December	Market Pri 5 PM Mkt	36.58	36.5	37.09	27.83	37.84	37.53	38.81	39.1	37.58	37.06	27	35.9	36.49	38.44	37.81	36.21	37.38	29.06	38.08	37.68	37.99	35.74	36.51	23.28	20.83	23.64	25.27	33.43	33.81	29.22	23.28
1	2016 December	Market Pri 6 PM Mkt	37.71	37.83	40.31	38.19	39.66	39.44	40.92	41.02	39.59	40.79	38.75	38.91	38.97	41.71	38.57	38.9	40.3	38.34	40.6	39.74	39.76	37.91	33.37	25.9	22.39	29.1	32.94	35.15	35.82	33.44	25.84
1	2016 December	Market Pri 7 PM Mkt	37.75	37.84	40.78	39.65	40.75	40.6	42.07	41.14	39.85	41.32	40.41	39.3	41.04	41.71	38.84	38.85	41.36	40.69	42.31	40.89	40.94	36.65	35.18	25.62	22.64	30.69	34.61	35.37	36.19	33.37	27.89
1	2016 December	Market Pri 8 PM Mkt	37.67	37.71	38.71	38.52	39.8	40.67	41.51	40.74	39.25	40.84	38.68	38.73	39.48	41.07	38.54	37.99	41.51	40.69	41.53	40.54	40.16	36.77	33.83	24.71	22.19	30.34	33.82	34.8	35.21	33.18	25.61
1	2016 December	Market Pri 9 PM Mkt	36.72	36.78	39.02	37.16	39.15	39.71	40.59	39.28	38.68	38.71	38.45	37.83	38.86	38.04	37.84	37.39	40.7	38.85	40.81	40.28	38.85	36.42	33.08	24.03	22.65	29.15	33.88	32.87	33.95	31.61	24.64
1	2016 December	Market Pri 10 PM Mkt	36.57	36.18	35.3	31.76	37.47	39	39.26	37.37	37.67	38.69	38.37	36.97	38.01	37.5	36.52	36.54	38.83	39	39.18	38.82	38.81	35.28	30.46	23.2	22.21	25.88	29.25	29.38	30.06	28.72	23.28
1	2016 December	Market Pri 11 PM Mkt	36.62	38.39	28.52	27.52	38.92	40.97	40.78	38.4	40.68	35.08	29.33	37.14	38.69	38.76	37.77	38.84	37.79	37.49	41.38	41.14	41.21	33.05	25.13	22.95	21.52	20.87	24.34	24	25.62	24.05	22.88
1	2016 December	Market Pri Midnight k	27.76	30.47	24.47	21.34	30.87	37.31	36.59	35.19	37.17	27.57	24	28.31	33.1	27.57	28.36	30.94	29.76	27.64	39.12	38.56	36.59	29.4	22.7	22.29	20.7	22.06	22.57	22.06	23.13	22.57	22.19
1	2017 January	Market Pri 1 AM Mkt	26.34	26.61	30.31	29.07	28.49	28.5	26.15	25.47	26.34	28.49	29.47	29.88	31.68	29.39	28.34	28.49	28.67	28.87	27.67	30.7	35.42	31.43	42.36	46.58	44.63	32.35	29.64	29.89	31.7	35.3	31.24
1	2017 January	Market Pri 2 AM Mkt	25.85	26.24	29.4	28.69	27.33	28.28	25.38	25.09	25.74	28.18	28.85	28.75	29.71	28.24	27.29	27.74	29.71	28.49	26.44	29.71	32.66	31.19	41.29	46.1	44.61	32.94	29.1	29.27	30.59	34.93	30.59
1	2017 January	Market Pri 3 AM Mkt	25.5	26.24	29.2	27.91	26.77	27.89	25.03	25.05	25.37	27.69	28.78	27.93	29.64	27.66	26.98	27.37	28.86	27.75	26.31	29.64	31.39	31.2	42.91	46.23	38.34	28.3	30.36	28.49	29.99	31.86	31.15
1	2017 January	Market Pri 4 AM Mkt	25.47	26.34	28.93	28.13	26.6	28	24.64	24.88	25.36	27.68	28.49	27.91	29.64	27.75	27.03	27.53	28.8	27.74	26.26	29.47	32.47	31.49	34.72	46.29	35.04	28.08	29.47	28.89	30.14	32.94	30.18
1	2017 January	Market Pri 5 AM Mkt	25.65	26.34	27.74	28.66	27.41	27.81	24.64	24.95	26.09	27.79	28.49	28.49	30.42	27.72	27.15	27.91	29.08	28.49	26.53	31.38	32.45	31.04	35.04	46.5	35.53	29.54	32.71	28.87	32.48	34.8	31.26
1	2017 January	Market Pri 6 AM Mkt	26.1	27.5	31.45	27.74	28.49	29.52	24.94	25.16	27.31	29.71	30.59	30.59	34.5	28.18	27.74	29.89	31.42	29.68	28.82	35.73	34.84	34.72	45.29	47.96	42.36	32.08	34.72	28.49	35.62	42.79	45.25
1	2017 January	Market Pri 7 AM Mkt	26.34	28.81	36.81	32.65	30.28	29.14	25.16	25.6	34.68	32.39	36.11	33.78	43.04	29.09	28.85	39.89	39.49	34.66	38.72	43.34	40.85	40.4	45.96	56.21	50.77	45.05	47.96	29.64	37.68	52.39	48.7
1	2017 January	Market Pri 8 AM Mkt	26.74	29.27	42.17	33.02	37.1	37.07	25.47	26.34	33.64	39.89	44.01	41.15	44.57	31.74	29.64	41.58	43.34	39.89	39.49	45.25	36.94	30.43	49.15	59.09	53.67	48.69	50.12	33.4	42.79	54.34	52.19
1	2017 January	Market Pri 9 AM Mkt	29.47	30.43	43.43	41.05	39.89	39.89	26.22	27.08	39.49	42.18	44.66	42.97	44.66	34.72	31.72	39.49	43.71	39.89	39.33	45.25	42.36	34.72	49.89	58.29	52.45	49.46	49.86	31.26	42.79	54.1	50.81
1	2017 January	Market Pri 10 AM Mkt	30.59	34.72	43.41	43.73	42.49	39.97	25.73	28.83	36.37	43.14	44.82	43.13	44.49	29.89	34.03	36.63	44.52	42	42.28	45.02	39.3	43.54	50.04	56.16	53.65	48.13	50.22	45.81	46.49	52.64	50.21
1	2017 January	Market Pri 11 AM Mkt	30.59	40.19	44.54	43.88	43.66	39.89	28.85	28.88	36.62	44.05	44.87	43.38	44.45	31.53	29.71	40.43	46.26	41.8	43.14	45.09	39.27	36.84	49.9	55.56	51.64	49.34	49.74	42.68	46.81	51.34	49.86
1	2017 January	Market Pri Noon Mkt	31.04	37.79	40.51	38.08	43.77	37.15	29.27	28.49	39.89	44.05	44.68	44.66	43.83	31.49	29.64	42.92	44.29	43.71	39.89	45.2	35.42	40.2	49.37	53.61	51.59	48.67	49.05	46.95	42.79	50.05	48.09
1	2017 January	Market Pri 1 PM Mkt	28.08	30.59	39.49	41.59	43.52	39.89	37.2	29.71	39.89	44.05	44.68	44.61	43.49	30.03	29.39	40.55	44.7	39.89	39.89	44.68	35.3	39.4	48.98	51.54	51.59	45.41	47.89	46.09	42.36	50.05	46.4
1	2017 January	Market Pri 2 PM Mkt	29.27	35.28	41.59	33.99	43.32	39.49	28.68	30.17	36.79	44.01	44.7	44.58	43.45	39.27	29.09	39.89	46.7	39.89	39.89	41.4	32.11	36.31	48.55	51.85	51.19	46.41	46.51	44.77	40.52	49.07	45.12
1	2017 January	Market Pri 3 PM Mkt	28.49	34.09	34.35	39.49	42.4	33.65	26.57	29.64	37.01	39.49	44.85	44.05	43.37	29.71	28.72	39.89	42.3	36.04	39.49	43.39	29.71	39.44	49.56	51.01	50.05	46.82	46.14	41.55	39.39	45.66	44.01
1	2017 January	Market Pri 4 PM Mkt	29.09	30.25	35.13	32.69	42.18	32.9	26.39	29.71	39.49	41.58	44.66	43.34	43.34	29.71	32.09	39.89	45.25	37.42	38.21	44.05	29.89	39.3	49.5	50.64	50.03	44.65	45.48	42.7	36.79	47.75	44.85
1	2017 January	Market Pri 5 PM Mkt	28.28	31.39	36.61	39.49	43.68	39.49	27.91	30.58	41.79	44.05	44.87	44.79	44.18	29.89	28.78	43.71	45.59	39.49	43.93	44.7	41.5	41.72	50.12	50.89	50.23	45.82	45.74	39.21	40.91	49.12	44.8
1	2017 January	Market Pri 6 PM Mkt	29.08	42.36	45.46	45.37	45.46	44.56	31.86	29.68	45.55	47.46	49.4	47.31	43.89	39.29	31.49	43.41	47.3	45.26	43.37	47.51	38.98	46.03	52.88	54.06	51.76	49.37	48.71	47.91	46.89	50.1	45.7
1	2017 January	Market Pri 7 PM Mkt	32.18	42.34	46.94	44.87	47.23	44.62	28.11	31.26	45.57	43.39	49.89	49.01	44.7	35.54	36.17	46.63	48.44	45.37	44.7	48.81	42.79	47.68	55.64	58.84	53.55	51.4	50.06	48.02	49.15	52.4	49.92
1	2017 January	Market Pri 8 PM Mkt	34.13	42.36	46.3	45.42	45.39	44.48	30.75	29.89	45.43	45.61	48.89	48.1	45.46	35.3	36.9	44.77	47.61	45.25	44.66	48.04	42.36	47.26	55.22	58.73	51.76	51.27	49.2	47.99	50.91	51.85	49.81
1	2017 January	Market Pri 9 PM Mkt	29.64	40.78	45.47	45.27	44.01	43.9	27.74	29.31	43.01	45.25	48.17	45.28	43.34	34.72	31.26	44.61	46.4	45.31	44.66	47.76	42.36	47.11	54.32	56.24	51.33	50.9	49.33	46.56	48.23	50.76	48.1
1	2017 January	Market Pri 10 PM Mkt	32.23	32.48	44.6	42.97	42.28	39.49	29.27	28.49	40.27	44.7	45.75	44.7	43.71	29.71	30.59	42.97	44.54	37.07	44.66	44.87	34.12	44.95	52.79	54.11	49.29	46.62	48.25	46.04	47.78	50.1	47.4
1	2017 January	Market Pri 11 PM Mkt	30.06	34.79	30.59	30.59	40.22	29.89	27.66	29.27	34.64	43.83	35.21	42.79	32.91	31.42	32.25	29.89	32.48	34.72	42.36	45.4	32.34	46.04	48.1	49.5	44.97	35.3	42.36	42.18	47.46	40.39	31.26
1	2017 January	Market Pri Midnight k	28.49	30.07	28.49	30.34	31.16	31.84	26.34	26.98	30.46	33.11	34.72	35.04	34.24	29.45	29.27	34.31	33.33	28.8	33.59	34.53	29.71	42.76	47.47	46.17	31.26	31.34	33.04	35.26	40.41	39.03	34.95
1	2017 February	Market Pri 1 AM Mkt	29.82	30.68	33	30.2	30.65	30.4	29.19	30.19	30.65	30.2	30.4	28.62	28.3	27.44	28.45	30.15	33.36	30.68	28.48	28.56	28.51	27.54	29.19	31.73	30.4	28.62	28.27	28.96			
1	2017 February	Market Pri 2 AM Mkt	28.62	29.39	31.21	29.19	29.24	30.2	29.77	29.39	28.65	29.39	29.67	28.3	27.84	27.45	27.71	28.66	31.29	29.81	28.3	27.71	27.14	27.17	28.62	30.83	30.36	28.23	28.07	27.46			
1	2017 February	Market Pri 3 AM Mkt	28.96	30.26	30.81	28.96	28.62	30.1	27.55	29.81	28.99	29.39	29.39	27.8	27.7	26.44	28.28	29.39	30.4	29.83	27.54	27.38	26.83	27.17	28.97	29.73	30.2	28.26	27.66	26.96			
1	2017 February	Market Pri 4 AM Mkt	28.69	30.4	32.25	30.29	28.5	30.83	29.66	30.01	28.83	29.91	29.66	27.39	28.07	26.96	28.1	29.6	31.84	29.75	27.6	27.68	26.94	27.28	28.97	30.4	30.2	27.73	28.62	27.13			
1	2017 February	Market Pri 5 AM Mkt	30.2	29.65	31.21	29.17	28.62	29.79	30.34	29.66	29.74	28.79	29.67	28.3	28.62	27.15	28.96	29.66	33.12	29.79	27.74	28.25	27.16	28.41	29	30.65	30.4	28.05	28.62	27.42			
1	2017 February	Market Pri 6 AM Mkt	33.51	32.25	38.48	31.91	29.39	37.71	29.6	39.11	33.91	34.36	30.2	28.44	29.39	28.37	30.28	33.74	37.54	30.4	28.18	29.92	27.82	29.79	31.43	36.11	31.71	28.1	29.39	28.53			
1	2017 February	Market Pri 7 AM Mkt	33.51	45.1	47.18	30.2	29.58	43.39	38.93	43.78	35.04	39.93	32.47	28.97	32.16	28.06	31.62	38.93	43.08	31.56	28.57	33.24	28.29	33.62	39.74	40.73	34.28	28.56	35.44	28.46			
1	2017 February	Market Pri 8 AM Mkt	41.96	48.18	50.23	33.34	30.1	45.92	43.49	45.29	41.4	42.94	35.83	28.79	34.37	32.17	41.91	43.36	45.1	34.37	28.62	33.62	33.6	39.74	43.31	42.98	36.63	28.79	30.73	30.92			
1	2017 February	Market Pri 9 AM Mkt	45.16	47.68	49.08	33.14	32.38	45.95	43.55	46	43.1	43.45	35.75	30.4	39.74	31.73	40.73	43.66	43.55	30.5	29.19	39.91	31.49	39.74	42.16	42.54	34.6	29.92	39.74	38.93			
1	2017 February	Market Pri 10 AM Mkt	45.23	47.45	48.91	37.83	30.36	46.19	34.68	45.1	44.92	42.22	36.42	31.2	40.72	31.64	35.67	43.66	43.41	35.18	30.41	44.47	30.64	39.74	43.38	43.03	31.7	30.28	40.73	36.16			
1	2017 February	Market Pri 11 AM Mkt	45.12	47.12	47.29	38.83	30.4	44.96	39.74	43.55	41.24	40.29	37.22	30.2	42.95	31.45	30.93	43.86	42.28	37.56	30.65	44.45	29.13	39.74	43.35	43.26	33.51	30.57	40.73	33.62			
1	2017 February	Market Pri Noon Mkt	43.45	45.98	45.61	42.17	29.39	43.83	38.93	45.08	42.69	38.47	34.28	29.93	39.74	35.83	39.74	43.42	41.96	35.42	29.74	44.37	33.56	38.93	43.29	43.48	33.28	30.07	38.93	33.15			
1	2017 February	Market Pri 1 PM Mkt	41.09	46.48	45.1	33.51	31.86	45.19	33.36	42.27	44.12	37.09	30.2	28.45	39.47	29.77	38.93	43.74	39.9	30.65	28.3	35.11	31.94	36.32	41.45	40.73	29.66	30.57	39.74	36			
1	2017 February	Market Pri 2 PM Mkt	43.26	45.71	44.18	30.83	28.43	43.26	39.74	41.34	38.93	31.16	29.72	27.9	39.74	31.73	42.28	43.46	39.74	29.75	29.07	40.15	28.64	36.61	41.96	33.62	30.83	28.3	38.93	31.34			
1	2017 February	Market Pri 3 PM Mkt	43.46	45.28	43.5	30.83	29.39	38.93	30.91	41.96	43.61	30.91	28.79	28.29	33.62	31.64	39.73	42.16	38.24	28.62	28.02	38.93	35.7	35.42	41.96	38.93	30.65	29.55	37.19	31.31			
1	2017 February	Market Pri 4 PM Mkt	43.37	45.24	38.93	38.68	30	38.74	38.93	40.06	35.29	28.92	28.62	28.42	38.15	33.62	41.65	42.69	31.64	28.79	28.81	31.94	28.96	35.07	38.93	29.13	30.4	29.74	34	31.94			
1	2017 February	Market Pri 5 PM Mkt	43.66	45.37	43.3	31.02	28.47	39.74	25.82	43.03	38.93	28.3	28.62	28.11	33.62	31.94	41.99	42.58	31.94	28.71	28.91	33.62	28.97	36.87	38.93	31.31	30.63	29.18	35.82	34.7			
1	2017 February	Market Pri 6 PM Mkt	46.63	47.87	44.72	34.5	29.39	39.74	38.93	43.71	43.99	30.63	30.01	29.71	38.74	39.75	43.62	44.38	33.62	29.65	28.65	38.74	31.4	39.74	45.21	38.86	29.43	28.62	39.74	32.27			
1	2017 February	Market Pri 7 PM Mkt	49.23	51.08	45.46	41.22	33.36	45.75	45.19	47.15	45.25	33.62	29.39	31.2	39.44	32.99	44.48	46.84	38.93	29.39	32.73	41.34	33.54	45.16	46.04	43.55	30.57	30.03	42.89	33.62			
1	2017 February	Market Pri 8 PM Mkt	47.67	50.74	45.12	37.05	33.86	45.44	44.25	46.39	45.19	35.7	29.6	30.65	41.6	33.62	43.66	45.77	39.74	34.12	29.61	39.73	39.74	43.66	46.24	38.93	32.25	29.57	47.51	41.98			
1	2017 February	Market Pri 9 PM Mkt	46.61	50.22	41.78	34.51	33.34	44.6	45.02	45.32	44.58	33.62	33.36	30.57	39.74	33.47	43.29	44.79	38.93	33.87	32.24	38.51	38.77	43.45	43.47	39.74	30.4	29.39	35.76	39.74			
1	2017 February	Market Pri 10 PM Mkt	41.45	45.26	43.34	32.25	32.87	40.9	39.74	42.64	38.93	38.47	32.31	30.83	35.71	33.62	41.91	43.38	38.11	31.54	28.83	33.23	30.19	38.93	43.45	39.17	29.66	28.79	38.93	39.74			
1	2017 February	Market Pri 11 PM Mkt	36.42	45.45	37.15	30.06	34.01	33.63	34.28	41.63	41.6	33.52	30.13	30.25	32.59	32.39	38.79	42.17	34.42	29.79	29.81	31.56	30.4	36.55	41.8	32.25	30.2	30.2	29.55	31.72			
1	2017 February	Market Pri Midnight k	34.55	36.07	30.22	30.83	31.33	34.04	32.38	31.29	33.51	30.31	29.39	28.94	30.01	29.71	32.38	39.57	31.74	29.39	28.96	28.79	28.58	31.42	34.04	31.4	29.39	29.39	29.64	30.01			
1	2017 March	Market Pri 1 AM Mkt	26.92	29.89	26.62	26.42	28.29	26.89	27.13	31.44	33.09	28.36	27.11	28.22	26.12	26.12	29.97	32.83	27.87	29.01	29.11	28.7	27.13	28.06	30.91	28.29	28.19	28.81	28.22	27.82	27.5	29.32	27.24
1	2017 March	Market Pri 2 AM Mkt	26.33	27.46	26.8	25.93	27.13	26.24	26.33	30.47	30.75	28.42	26.72	27.33	25.61	26.3	28.96	29.91	27.92	28.46	28.29	28.06	27.13	27.52	28.29	28.41	27.87	28.06	27.46	26.52	27.99	27.45	27.48
1	2017 March	Market Pri 3 AM Mkt	26.34	27.41	27.36	25.68	27.13	26.42	26.73	30.44	29.61	29.96	27.57	27.47	25.2	26.12	28.99	30.49	28.06	28.16	28.22	27.84	27.13	27.46	28.46	29.13	27.51	28.06	27.36	26.73	27.13	28.22	27.47
1	2017 March	Market Pri 4 AM Mkt	26.43	27.13	26.73	25.42	27.11	26.76	27.4	30.75	30.71	30.12	27.13	27.13	26.27	26.41	29.13	30.97	27.51	27.87	27.7	28.29	27.47	28.06	28.46	29.01	27.68	27.56	27.36	26.79	27.11	28.29	27.48
1	2017 March	Market Pri 5 AM Mkt	27.13	27.7	27.01	25.94	28.29	27.45	27.2	32.96	31.98	29.13	27.52	27.18	27.22	26.62	31.72	31.72	29.01	28.01	27.93	29.96	28.29	29.13	29.9	30.79	28.06	27.7	28.73	27.32	27.39	28.06	27.5
1	2017 March	Market Pri 6 AM Mkt	29.11	32.45	27.65	26.33	33.07	33.04	30.79	40.11	38.26	34.86	28.02	28.31	28.8	28.06	33.91	38.13	32.75	28.7	28.22	35.09	32.44	33.13	35.59	36.41	29.13	28.21	33.27	28.29	30.79	30.51	28.29
1	2017 March	Market Pri 7 AM Mkt	36.45	37.52	31	26.73	38.26	34.95	38.06	43.64	40.89	41.11	28.29	28.56	36.45	35.96	43.7	41.58	37.16	31.41	28.71	38.75	39.06	39.06	35.2	38.19	30.61	28.13	35.49	34.95	36.45	30.7	34.53
1	2017 March	Market Pri 8 AM Mkt	40.08	39.84	34.82	28.06	38.26	39.78	38.84	44.76	41.9	44.86	30.63	30.63	35.1	38.68	45.04	42.71	37.95	33.26	31.09	41.19	40.15	40.38	39.01	40.67	32.37	32.96	39	39.01	39.84	38.87	35.93
1	2017 March	Market Pri 9 AM Mkt	40.38	38.82	33.91	30.41	39.9	40.03	39.08	43.79	41.66	39.58	33.61	33.07	34.95	37.93	41.5	41.4	40.51	34.13	34.5	40.77	40.13	40.54	39.36	39.84	37.58	35.53	39.84	37.52	40.25	39.84	35.42
1	2017 March	Market Pri 10 AM Mkt	39.84	37.52	34.95	30.79	38.26	38.87	39.3	42.48	39.84	38.62	34.04	32.61	35.91	38.76	40.92	39.84	38.76	38.51	35.95	40.32	39.84	40.94	39.24	39.01	37.33	36.97	38.46	37.52	41.05	39.62	35.1
1	2017 March	Market Pri 11 AM Mkt	40.54	36.96	36.67	29.37	40.33	38.8	39.3	40.51	39.99	38.8	34.31	30.75	36.2	38.78	40.32	39.37	39.84	33.61	34.91	41.25	39.84	41.2	39.09	38.77	37.1	35.12	38.91	38.45	41.24	39.64	31.7
1	2017 March	Market Pri Noon Mkt	40.57	37.16	35.54	30.02	38.26	39.84	39.12	39.84	39.68	38.65	32.67	29.06	37.53	39.84	41.02	40.76	38.77	35.7	35.18	40.58	40.05	40.56	39.16	38.34	38.26	33.61	38.92	38.45	41.27	39.11	35.06
1	2017 March	Market Pri 1 PM Mkt	40.3	34.95	35.21	29.89	41.07	40.03	39.05	39.67	36.45	37.52	31.26	27.76	37.16	40.67	39.84	37.59	38.78	35.54	32.9	38.98	39.87	40.03	36.32	37.56	36.04	33.27	37.56	37.65	40.98	37.52	34.6
1	2017 March	Market Pri 2 PM Mkt	40.12	32.3	30.7	29.13	41.07	39.52	39.04	39.49	37.52	35.1	29.95	27.49	36.45	40.65	41.41	37.61	38.22	33.99	32.86	36.85	39.67	38.77	35.1	37.06	33.47	30.93	37.52	38.15	41.04	34.95	32.01
1	2017 March	Market Pri 3 PM Mkt	39.69	35.3	29.86	29.89	38.41	39.02	38.69	38.46	37.52	35.09	29.89	28.29	34.95	38.77	38.78	38.8	38.46	32.78	31.22	35.16	37.67	38.46	37.65	34.83	33.05	30.97	37.11	37.51	38.97	37.52	31.32
1	2017 March	Market Pri 4 PM Mkt	39.74	30.4	32.14	29.37	38.41	38.99	38.45	38.46	36.47	34.95	29.13	28.22	31.93	38.92	38.46	38.19	37.59	33.15	30.67	34.95	37.72	35.81	36.28	34.95	33	30.88	35.93	37.65	40.03	37.26	32.49
1	2017 March	Market Pri 5 PM Mkt	40.04	30.45	32.18	30.69	38.51	39.33	38.64	38.78	35.2	35.09	29.13	26.46	37.57	40.44	38.85	38.76	38.19	33.12	33.27	37.29	36.45	39.64	36.41	35.34	34.65	31.26	34.95	38.19	40.03	31.97	34.95
1	2017 March	Market Pri 6 PM Mkt	41.17	36.45	30.94	34.42	42.25	41.43	39.27	39.59	38.76	37.52	29.84	28.29	35.14	40.79	41	39.09	38.17	35.96	34.13	38.91	37.85	38.76	38.92	35.09	37.21	32	37.59	37.35	40.49	37.8	34.95
1	2017 March	Market Pri 7 PM Mkt	43.73	38.23	34.95	31.88	42.85	44.47	43.69	44.58	40.47	37.16	37.59	29.89	38.46	44.46	43.69	42.1	38.96	39.9	37.97	40.87	40.57	38.79	40.6	35.42	39.28	37.38	38.76	38.68	41.58	39.62	35.08
1	2017 March	Market Pri 8 PM Mkt	44.58	33.91	32.04	39.33	42.73	43.96	43.87	45.1	43.74	37.52	38.51	35.09	39.53	46.13	44.76	42.85	38.76	40.65	38.41	43.31	41.12	41.12	40.67	37.66	40.33	39.33	40.97	38.42	41.47	40.51	35.1
1	2017 March	Market Pri 9 PM Mkt	40.09	39.1	32.38	38.58	42.67	41.3	42.68	44.36	40.93	37.28	37.93	33.24	38.76	43.27	41.44	42.26	38.46	39.9	38.41	41.4	39.84	40.52	40.75	37.52	39.9	39.05	39.2	38.49	41.17	39.99	34.87
1	2017 March	Market Pri 10 PM Mkt	39.07	35.08	34.87	37.29	38.26	38.76	39.84	40.47	40.02	35.1	35.33	30.61	39.02	40.02	41.41	38.78	37.15	39.08	37.9	40.91	38.5	39.67	39.08	34.86	38.26	36.56	38.32	37.94	39.8	35.1	35.77
1	2017 March	Market Pri 11 PM Mkt	38.2	34.29	29.81	32.57	39.9	39.28	38.54	38.42	38.26	33.41	30.78	28.29	33.35	40.84	40.56	38.38	37.52	33.36	34.92	35.23	38.26	38.88	34.1	36.87	35.52	33.53	39.02	38.24	30.97	36.14	30.97
1	2017 March	Market Pri Midnight k	32.17	28.22	27.13	28.88	35.78	32.45	30.9	37.24	32.69	27.46	28.94	27.23	29.13	29.77	36.75	30.65	31.04	30.97	30.08	33.01	30.55	35.27	33.27	30.97	31.13	28.97	30.63	29.13	32.15	29.01	29.13

1	2017 April	Market Pri 1 AM Mkt	24.67	24.93	23.46	25.85	23.95	23.9	25.59	25	25.94	23.49	24.34	24.1	24.01	24.67	23.31	23.33	22.23	23.96	23.51	24.1	23.47	22.97	22.86	21.57	22.94	22.97	22.74	23.46	23.11	23.44	
1	2017 April	Market Pri 2 AM Mkt	23.68	24.42	24.06	24.42	23.63	23.76	23.61	23.9	25.39	23.37	23.24	23.18	23.96	23.27	22.5	22.97	22.64	22.45	22.73	23.49	22.28	21.74	22.44	21.88	22.06	22.12	22.23	22.11	22.04	23.07	
1	2017 April	Market Pri 3 AM Mkt	23.76	24.4	23.9	23.96	24.31	22.74	24.77	23.95	24.84	23.24	22.64	23.45	22.51	24.01	22.37	22.94	22.08	22.37	22.97	22.1	23.23	21.84	22.12	21.45	21.67	22.05	21.49	22.97	21.94	22.97	
1	2017 April	Market Pri 4 AM Mkt	23.45	23.81	25.12	23.82	23.61	23.96	23.14	23.76	24.33	23.89	22.39	22.97	23.68	22.64	21.99	22.05	22.64	21.81	22.37	23.45	22.22	21.49	22	21.9	21.34	21.66	22.07	21.37	21.54	22.64	
1	2017 April	Market Pri 5 AM Mkt	23.76	24.26	24.39	25.06	22.97	23.96	24.2	23.96	24.82	22.81	23.06	22.12	22.79	23.45	21.94	22.37	22.12	22.12	21.65	23.3	22.57	21.95	21.98	21.56	21.74	21.24	22.1	21.92	21.66	22.98	
1	2017 April	Market Pri 6 AM Mkt	23.34	23.36	27.34	27.96	24.55	25.39	24.57	23.61	23.45	25.05	23.61	23.18	24.1	23.46	21.96	21.56	22.74	23.14	23.61	25.21	23.52	21.5	21.09	22.51	22.12	22.08	22.97	22.1	21.46	21.98	
1	2017 April	Market Pri 7 AM Mkt	25.85	24.49	34.33	34.75	30.48	30.8	30.91	27.23	24.56	34.73	30.98	27.05	29.83	30.9	23.46	22.37	28.34	30.48	30.71	31.24	31	23.71	21.43	26.36	27.55	26.97	28.01	26.9	22.12	22.37	
1	2017 April	Market Pri 8 AM Mkt	28.47	24.67	34.73	37.38	34.77	34.97	35.58	29.6	24.67	35.36	34.76	34.52	32.58	34.45	24.36	22.14	32.84	33.54	32.48	34.34	33.44	24.25	21.24	31.41	31.24	32.37	32.79	32.96	23.45	22.97	
1	2017 April	Market Pri 9 AM Mkt	31.56	27.99	34.96	36.42	34.94	35.88	35.95	31.69	25.85	35.88	35.21	34.92	34.89	34.66	28.47	22.73	31.81	33.76	34.18	34.66	34.04	28.63	22.08	32.21	33.96	33.78	33.9	34.26	27.09	24.55	
1	2017 April	Market Pri 10 AM Mkt	31.35	29.54	36.32	35.55	36.56	36.46	36.65	34.1	25.85	34.77	34.66	35.33	35.34	34.76	28.47	23.93	31.92	34.73	33.84	33.92	34.76	27.3	23.29	32.56	34.04	34.73	33.81	34.69	29.3	27.48	
1	2017 April	Market Pri 11 AM Mkt	32.02	31.06	36.77	35.88	35.89	36.78	36.53	33.92	26.1	35.48	36.08	34.86	36.26	34.9	29.74	25.18	34.15	34.65	34.76	34.28	33.63	27.91	24.56	34.22	34.62	34.73	34.62	34.62	31.31	28.36	
1	2017 April	Market Pri Noon Mkt	31.74	26.42	38.83	36.9	36.21	37.1	36.23	32.1	24.41	36.02	36.77	36.05	34.84	35.29	26.66	24.1	34.7	34.75	34.69	34.61	33.92	27.24	23.27	34.75	35.16	35.74	34.62	34.34	31.38	26.2	
1	2017 April	Market Pri 1 PM Mkt	31.76	28.81	38.41	34.76	36.64	36.77	36.07	31.38	26.08	36.51	36.75	37.05	36.71	34.79	27.46	26.62	34.86	34.75	34.75	34.42	34.38	26.1	24.86	34.76	35.42	36.24	34.7	34.4	28.58	27.89	
1	2017 April	Market Pri 2 PM Mkt	28.16	26.23	37.62	36.02	36.41	35.08	36.35	32.2	25.92	37.49	35.81	36.72	36.15	35.58	26.07	25.39	34.89	34.75	34.6	34.52	34.43	25.18	24.67	34.89	35.53	36.39	34.75	34.73	27.06	26.41	
1	2017 April	Market Pri 3 PM Mkt	29.77	27.49	36.66	35.48	35.44	36.87	36.25	29.27	27.49	34.93	36.34	35	35.97	34.94	25.85	27.74	34.76	34.6	33.54	34.76	34.1	25.06	26.21	34.66	35.34	35.44	34.75	34.6	27.07	27.48	
1	2017 April	Market Pri 4 PM Mkt	26.06	25.85	34.99	35.03	34.72	35.74	34.76	31.45	26.16	34.8	35.62	35.63	36.55	33.81	27.03	27.81	34.59	34.6	32.56	34.38	33.71	25.95	25.39	34.89	35.19	35.33	34.83	33.8	27.09	27.2	
1	2017 April	Market Pri 5 PM Mkt	31.48	25.34	34.76	34.76	35.22	34.89	34.84	31.79	24.58	33.64	34.64	35.58	34.88	33.44	29.17	27.36	34.73	34.58	33.76	33.13	33.11	27.06	26.7	34.67	34.76	35.63	34.67	34.29	29.41	26.09	
1	2017 April	Market Pri 6 PM Mkt	31.29	27.74	34.9	34.99	35.27	34.76	34.89	34.4	27.25	33.95	34.76	35.49	34.79	33.81	28.88	28.7	34.73	34.58	33.53	33.54	33.55	27.66	26.54	34.74	34.89	35.02	34.73	34.15	28.99	27.83	
1	2017 April	Market Pri 7 PM Mkt	31.38	25.39	35.48	34.97	34.76	36.5	36.44	31.4	26.44	33.54	33.44	34.76	34.95	32.23	26.61	26.32	34.07	33.56	33.19	33.54	32.84	26.08	26.08	34.76	34.64	34.08	33.82	33.44	27.83	26.26	
1	2017 April	Market Pri 8 PM Mkt	33.44	29.03	39.7	37.83	34.6	38.24	36.63	35.61	26.1	34.73	34.93	34.73	34.92	31.63	31.24	27.73	34.08	34.64	30.78	33.81	31.24	27.91	25.58	34.76	34.89	33.76	34.61	33.54	31.47	26.84	
1	2017 April	Market Pri 9 PM Mkt	33.29	28.46	37.92	35.81	34.6	38.39	35.44	32.02	28.35	37.13	34.76	35.38	37.08	34.52	31.21	28.42	35.12	34.62	33.79	34.69	33.54	27.88	25.95	34.76	34.79	34.93	34.78	34.63	31.32	28.47	
1	2017 April	Market Pri 10 PM Mkt	32.08	27.85	36.51	36.39	34.84	36.96	34.99	31.69	26.46	36.29	35.33	35.29	34.76	33.11	31.33	27.86	34.77	34.76	33.55	34.61	32.77	29.37	25.6	34.89	34.76	34.59	34.83	33.44	32.02	27.68	
1	2017 April	Market Pri 11 PM Mkt	31.83	30.44	31.86	32.27	31.54	32.02	32.88	31.53	31.74	33.64	32.38	33.03	32.1	31.85	27.53	29.94	32.55	31.2	31.55	32.02	29.25	26.34	27.3	31.62	31.4	30.89	32.27	29.55	29.08	29.67	
1	2017 April	Market Pri Midnight M	28.94	25.18	29.37	24.43	26.58	28.64	30.7	28.24	25.39	28.77	25.25	26.2	27.31	25.53	24.57	24.46	25.79	23.9	25.39	25.39	24.59	23.61	23.1	25.09	24.39	25.44	25.37	24.34	25.27	24.53	
1	2017 May	Market Pri 1 AM Mkt	22.66	21.84	22.66	23.39	23.01	23.12	21.14	21.83	22.34	23.14	22.07	21.8	21.84	20.81	21.96	22.66	23.84	23.72	23.02	23.33	20.84	21.46	21.83	22.66	23.16	23.58	23.66	21.48	21.95	23	23.44
1	2017 May	Market Pri 2 AM Mkt	21.84	21.62	21.8	22.03	21.58	22.16	20.95	21.29	22.16	22.31	21.71	21.4	21.33	20.67	21.42	21.3	22.21	22.66	21.84	22.07	20.52	21.19	21.32	21.72	22.04	21.93	22.23	20.73	21.08	22.3	22.24
1	2017 May	Market Pri 3 AM Mkt	21.84	21.28	21.74	21.82	21.36	21.54	21.07	21.09	21.84	21.83	21.25	20.8	20.89	20.68	20.77	21.54	22.49	21.53	21.34	21.35	20.72	20.89	21.53	21.28	21.46	21.4	21.44	20.81	21.16	21.6	21.69
1	2017 May	Market Pri 4 AM Mkt	21.84	21.15	21.41	21.46	21.08	21.32	21.05	21.29	21.39	21.84	21.06	20.65	20.8	20.56	20.75	20.74	21.34	21.61	21.15	21.23	20.72	20.77	20.99	21.08	21.32	20.95	21.29	20.88	21.09	20.96	21.11
1	2017 May	Market Pri 5 AM Mkt	21.94	21.1	21.54	21.84	21.07	21.67	21.17	21.39	21.83	21.9	21.24	20.74	21.01	20.69	20.79	20.76	21.59	21.23	21.4	21.33	20.77	20.84	21.09	20.95	21.54	20.95	21.31	20.95	21.53	20.74	20.96
1	2017 May	Market Pri 6 AM Mkt	24.07	22.5	22.83	23.28	21.95	21.84	21.29	22.66	23.33	22.82	22.1	21.51	21.22	20.69	21.3	21.3	22.08	22.07	21.96	21.5	20.74	21.36	21.56	22.52	23.3	21.84	21.58	20.79	21.92	21.8	21.64
1	2017 May	Market Pri 7 AM Mkt	38.11	34.42	36.05	36.1	33.6	22.23	21.54	35.87	39.43	39.67	34.84	31.37	21.54	20.6	30.19	31.76	31.86	33.23	32.52	21.58	20.78	29.35	32.98	31.21	32.33	30.86	21.8	20.77	23.84	30.62	30.71
1	2017 May	Market Pri 8 AM Mkt	39.4	39.38	40.48	39	38.53	22.52	21.57	38.3	42.67	39.17	38.99	36.94	21.84	20.79	36.06	38.47	38.5	37.84	38.35	21.86	21.06	35.55	37.51	36.51	38.23	36.95	22.23	21.22	28.61	35.93	34.06
1	2017 May	Market Pri 9 AM Mkt	41.63	39.39	39.9	39.4	40.39	23.92	22.92	39.62	42.13	40.48	39.73	38.46	22.66	21.27	39.31	40.13	39.47	39.57	40.05	23.11	21.6	38.27	38.76	38.61	40.18	39.42	23.37	21.54	30.45	38.44	38.32
1	2017 May	Market Pri 10 AM Mkt	41.71	40.48	40.46	39.62	39.82	26.11	23.33	40.83	41.73	40.48	39.86	40.22	23.72	22.66	40.48	40.85	40.63	39.56	40.48	25.29	22.56	39.4	39.49	39.4	40.81	40.13	24.99	23.33	31.99	40.86	39.4
1	2017 May	Market Pri 11 AM Mkt	41.78	40.33	40.48	38.86	39.51	26.66	23.55	39.76	40.85	40.48	39.45	39.86	24.41	23.3	42.13	41.9	42.96	40.48	40.48	26.83	23.33	39.68	40.48	40.58	40.85	40.48	26.35	24.41	33.78	40.85	40.48
1	2017 May	Market Pri Noon Mkt	42	39.65	39.45	39.92	40.81	25.45	23.33	40.96	40.85	39.4	39.54	39.99	24.19	23.17	42.21	42.82	43.83	40.6	40.62	26.18	23.05	39.2	40.83	39.4	40.85	40.85	28.16	23.47	33.8	40.74	39.57
1	2017 May	Market Pri 1 PM Mkt	40.48	40.48	39.37	39.62	40.11	25.43	23.14	40.08	40.85	39.4	39.52	39.8	25.59	23.11	41.73	45.48	44.91	40.91	41.61	27.78	23.07	39.75	39.71	40.48	41.4	40.85	30.26	24.36	33.8	40.85	39.82
1	2017 May	Market Pri 2 PM Mkt	39.53	39.71	39.4	39.86	39.64	25.53	23.09	40.48	39.72	39.33	39.4	39.48	25.23	23.47	42.16	45.76	43.74	41.57	42.04	29.04	23.47	38.45	40.48	40.48	42.93	40.85	29.09	24.34	31.71	41.68	40.48
1	2017 May	Market Pri 3 PM Mkt	39.4	39.47	38.2	39.4	40.37	24.2	22.91	39.4	39.86	37.84	39.66	39.62	25.02	23.28	42.81	46.15	45.62	44.29	42.38	27.81	23.11	39.4	40.85	40.66	44.07	40.62	29.49	25.78	33.49	41.67	40.25
1	2017 May	Market Pri 4 PM Mkt	38.93	40.02	37.84	39.05	38.09	21.7	22.53	39.4	39.56	36.67	39.37	38.59	24.85	23.84	41.63	46.69	46.85	44.84	42.45	27.69	22.99	39.34	40.85	40.84	43.77	40.48	28.64	24.66	33.34	41.62	40.22
1	2017 May	Market Pri 5 PM Mkt	40.39	39.4	37.84	37.84	37.84	21.82	22.92	39.4	38.62	36.76	38.04	39.36	26.43	23.88	41.75	46.88	47.26	44.56	42.23	28.09	23.47	40.2	40.93	41.02	43.69	40.62	29.56	26.95	33.8	41.1	39.73
1	2017 May	Market Pri 6 PM Mkt	39.09	39.4	37.84	36.81	37.84	23.68	22.84	40.48	38.2	34.7	37.3	37.84	24.81	23.72	41.39	45.39	47.21	42.04	41.58	27.7	23.72	39.4	40.84	40.97	43.4	39.66	27.73	25.88	33.92	41.13	39.4
1	2017 May	Market Pri 7 PM Mkt	37.84	38.33	37.44	37.5	37.68	23.41	22.72	39.39	37.84	35.24	34.7	36.1	24.22	23.47	40.64	43.7	45.78	40.88	40.85	26.45	23.2	39.01	40.61	41.24	41.99	39.51	27.36	24.84	32.6	40.62	40.13
1	2017 May	Market Pri 8 PM Mkt	37.84	38.48	38.17	38.2	37.11	23.72	23.46	39.55	38.2	34.06	37.53	35.16	24.09	23.84	40.9	42.03	44.21	41.78	40.85	25.58	23.72	37.84	38.33	41.23	41.01	38.29	27.55	25.55	32.13	39.56	39.22
1	2017 May	Market Pri 9 PM Mkt	39.68	37.84	39.82	40.23	39.4	25.61	25.82	40.28	40.35	40.48	39.26	37.59	26.31	25.57	41.56	42.97	47.27	41.77	40.33	27.48	24.34	38.43	38.2	40.85	41.11	38.47	28.67	27.78	31.6	39.59	40.48
1	2017 May	Market Pri 10 PM Mkt	39.62	39.4	39.54	40.85	38.37	26.25	27.1	40.67	38.94	39.4	39.61	37.84	27.5	26.94	40.85	43.94	45.29	41.07	40.48	26.92	25.57	39.32	40.32	40.85	40.85	40.08	29.46	29.42	32.65	40.45	40.62
1	2017 May	Market Pri 11 PM Mkt	26.6	27.73	28.18	29.93	27.88	24.17	24.49	28.41	28.18	26.3	28.03	27.06	23.76	24.56	31.27	33.09	31.31	31.31	30.08	21.92	23.72	27.1	29.21	29.87	30.96	30.61	26.13	28.12	31.31	30.61	29.35
1	2017 May	Market Pri Midnight M	23.43	24.09	24.39	24.41	24.28	22.95	23.33	23.84	24.23	23.26	23.72	23.72	22.12	22.75	24.02	29.02	26.47	26.26	26.58	22.24	22.53	22.77	23.84	25.05	27.47	26.5	23.45	24.22	26.89	24.74	23.91
1	2017 June	Market Pri 1 AM Mkt	23.75	23.99	23.3	22.78	22.54	22.86	23.76	23.78	24.4	23.83	25.17	26.18	27.86	30.57	29.68	32.89	28.91	26.9	27.13	28.98	27.22	25.44	25.34	23.93	23.57	24.34	25.86	27.61	26.66	32.5	
1	2017 June	Market Pri 2 AM Mkt	23.07	23.05	22.56	21.51	21.16	21.83	23.05	23.07	23.34	23.36	23.63	25.28	25.78	26.83	26.87	28.12	26.54	25.36	25.28	27.23	25.62	25.31	23.93	23.45	23.26	23.47	24.34	25.65	26.48	27.42	
1	2017 June	Market Pri 3 AM Mkt	22.78	22.72	21.63	21.08	20.36	21.34	22.78	22.75	22.91	22.75	23.21	24.62	24.94	25.58	26.25	26.24	25.28	24.5	24.93	26	25.23	24.5	23.78	23.18	23.05	23.07	23.66	24.84	24.93	26.23	
1	2017 June	Market Pri 4 AM Mkt	22.69	22.31	21.16	19.75	19.86	21.37	22.31	22.56	22.65	22.53	22.75	23.95	24.46	25.04	25.23	25.46	24.95	23.82	24.74	25.37	24.84	23.82	23.47	22.78	22.31	22.78	23.31	23.96	23.93	25.19	
1	2017 June	Market Pri 5 AM Mkt	22.91	22.31	21.34	20.03	19.87	21.5	22.41	22.78	22.78	22.52	22.59	23.82	24.84	24.49	25.01	25.47	24.84	23.68	24.95	25.37	24.21	23.93	23.61	22.78	22.15	22.84	23.47	23.77	24.22	24.97	
1	2017 June	Market Pri 6 AM Mkt	23.78	23.38	21.38	19.75	20.33	23.07	23.07	23.46	23.44	22.61	22.52	24.81	25.28	25.28	26.29	26.22	24.86	23.78	25.23	26.25	24.84	24.84	23.88	22.98	21.81	23.59	24.05	24.19	24.85	25.65	
1	2017 June	Market Pri 7 AM Mkt	23.09	22.64	21.81	20.62	19.55	22.34	22.64	23.33	23.29	22.99	22.54	26.42	26.58	27.5	30.73	28.74	25.23	23.78	26.57	26.42	26.01	25.18	23.52	23.31	21.81	22.83	23.62	25.8	26.69	28.27	
1	2017 June	Market Pri 8 AM Mkt	26.86	25.21	23.07	21.38	20.64	23.98	25.36	27.16	27.47	24.18	23.44	33.26	33.35	35.83	37.4	38.72	26.24	24.53	36.71	36.15	31.28	28.56	27.16	23.67	23	26.11	27.94	30.79	31.15	37.81	
1	2017 June	Market Pri 9 AM Mkt	28.96	27.48	23.77	23.05	21	26.99	28.17	31.78	32.94	25.49	25.04	38.95	37.98	40.01	40.66	41.9	29.35	25.66	39.63	40.14	37.19	35.13	33.04	24.99	23.67	32.7	35.15	37.52	38.88	40.99	
1	2017 June	Market Pri 10 AM Mkt	32.83	31.05	24.6	23.77	22.08	30.91	32.56	34.56	34.95	27.23	27.14	40.15	41.5	44.04	44.06	45.65	37.92	28.65	44.13	44.79	39.2	37.19	35.85	25.86	24.81	37.52	38.72	39.97	40.96	43.46	
1	2017 June	Market Pri 11 AM Mkt	34.32	33.67	24.86	24.27	22.64	34.44	33.95	36.21	36.79	31.59	31.09	45.36	44.85	46.79	47.4	48.8	41.65	32.54	47.54	50.19	40.07	38.99	37.98	28.12	25.84	34.91	40.74	41.48	43.04	48.31	
1	2017 June	Market Pri Noon Mkt	35.5	34.9	25.28	24.42	22.9	36.19	35.27	37.17	37.27	35.02	36.32	47.02	48.42	50.01	51.38	51.7	43.18	38.29	49.6	57.61	40.86	38.77	38.55	29	28.14	39.61	42.83	44.28	46.48	53.04	
1	2017 June	Market Pri 1 PM Mkt	36.11	35.5	25.28	24.66	22.84	37.32	36.02	37.48	38.13	37.08	39.64	49.03	51.5	54.41	57.18	54.44	43.18	41.29	52.68	64.77	42.1	40.69	39.2	29.34	29.66	40.87	44.94	46.47	48.35	59.49	
1	2017 June	Market Pri 2 PM Mkt	37.32	37.33	25.28	24.63	23.09	37.87	35.74	37.98	38.51	37.35	41.21	51	56.46	58.88	64.81	59.57	43.85	42.41	57.54	65.18	41.78	41.33	39.53	30.06	31.58	41.65	47.31	46.85	54.16	67.48	
1	2017 June	Market Pri 3 PM Mkt	37.23	37.03	24.99	24.84	22.87	37.24	36.74	38.27	38.68	38.35	42.93	52.58	60.34	66.68	69.7	61.81	43.89	43.57	61.3	61.82	44.28	41.48	39.44	29.59	31.46	42.18	49.11	50.01	55.53	73.9	
1	2017 June	Market Pri 4 PM Mkt	37.3	35.46	25.53	25.23	23.52	37.98	37.22	38.3	38.56	39.64	42.87	54.04	63.22	67.91	71.1	62.82	44.33	43.92	66.22	86.87	44.33	41.72	39.47	32.07	32.41	43.54	50.54	52.25	58.73	81.56	
1	2017 June	Market Pri 5 PM Mkt	37.8	34.59	25.32	24.86	24.18	37.6	36.99	38.44	37.9	39.97	43.23	54.39	63.91	68.23	78.15	61.43	44.05	43.4	70.14	54.6	43.44	42.08	39.31	31.53	34.04	44.43	50.8	53.76	62.7	83.17	
1	2017 June	Market Pri 6 PM Mkt	37.4	33.12	25.42	24.91	24.33	37.31	36	37.98	37.87	41.05	43.49	52.75	60.76	64.32	69.97	56.83	43.88	41.82	67.85	64.4	41.8	41.65	39.11	31.86	33.81	43.84	50.13	54.2	63.92	76.36	
1	2017 June	Market Pri 7 PM Mkt	36.29	31.35	25.28	25.01	24.07	35.62	34.67	37.16	37.32	39.64	43.56	51.12	56.4	58.09	60.15	52.3	43.32	41.23	61.05	57.43	40.47	40.57	37.98	30.47	33.97	42.57	48.1	49.54	58.77	68.1	
1	2017 June	Market Pri 8 PM Mkt	34.44	26.97	24.84	24.84	23.95	34.68	32.74	34.69	35.5	38.93	43.52	48.94	52.96	52.06	52.38	49.1	41.71	42.93	55.29	50.81	38.73	38.9	36.03	29.68	32.45	41.85	46.05	45.58	50.99	57.28	
1	2017 June	Market Pri 9 PM Mkt	34.76	26.99	25.3	24.54	25	35.02	32.68	35.7	34.34	38.37	42.78	47.03	50.16	49.31	50.71	46.94	41.58	42.41	52.18	47.93	38.88	38.67	35.04	30.33	32.09	40.12	44.31	43.55	48.68	53.28	
1	2017 June	Market Pri 10 PM Mkt	34.07	26.6	25.24	25.23	25.22	34.82	34.06	36.34	33.94	38.19	42.41	45.63	49.23	48.03	49.61	45.38	42.35	43.63	49.78	46.77	39.08	38.63	34.58	30.45	34.04	39.49	43.62	42.31	47.85	50.06	
1	2017 June	Market Pri 11 PM Mkt	29.08	26.15	24.95	24.5	24.84	28.86	27.78	32.25	30.5	33.85	39.64	42.55	43.08	41.26	44.2	41.25	39.03	40.56	43.87	42.41	33.66	36.04	30.44	28.3	31.58	40.25	41.62	40.78	45.28	45.68	
1	2017 June	Market Pri Midnight M	26.23	24.61	23.78	23.67	23.78	25.78	25.22	26.77	25.75	28.1	29.98	33.07	40.13	35.96	41.7	36.86	30.77	32.32	39.64	32.94	27.24	29.11	25.76	25.28	26.34	28.83	36.58	34.68	41.64	41.83	
1	2017 July	Market Pri 1 AM Mkt	27.08	24.85	26.95	30.82	28.32	29	26.58	23.41	22	22.67	22.19	23.44	23.44	24.03	23.68	23.53	24.81	26.6	26.6	26.57	27.52	28.5	26.99	31.54	27.52	29.52	33.45	32.76	30.85	27.26	35.15
1	2017 July	Market Pri 2 AM Mkt	24.55	23.36	24.36	25.6	25.29	25.56	23.88	22.36	21.39	21.74	22.56	23.05	22.86	22.78	22.22	22	23.12	24.2	23.81	24.36	25.31	25.1	24.37	26.04	24.71	26.82	28.09	28.48	27.64	24.55	29.1
1	2017 July	Market Pri 3 AM Mkt	23.04	22.69	23.39	24.37	23.84	24.03	23.26	21.76	21.18	21.18	21.93	22.39	22.05	21.37	21.51	21.54	22.32	23.14	23.62	23.53	23.56	23.66	23.51	25.61	24	25.04	26.47	25.61	24.62	23.66	26.23
1	2017 July	Market Pri 4 AM Mkt	22.21	21.95	23.06	23.49	23.22	23.26	22.92	21.68	20.72	21.1	21.58	22.05	22.05	21.58	21.24	21.13	21.74	22.93	23.34	23.29	23.09	23.04	23.04	23.91	23.63	23.68	24.77	24.01	23.66	22.72	25.16
1	2017 July	Market Pri 5 AM Mkt	21.74	21.91	23.08	23.44	21.4	23.44	22.8	21.51	20.69	21	21.59	21.96	21.95	21.68	21.1	21.1	21.96	22.85	23.32	23.04	23.17	22.34	22.44	23.91	23.44	23.68	24.97	23.97	23.16	22.43	25.32
1	2017 July	Market Pri 6 AM Mkt	21.74	21.68	23.91	24.38	23.56	23.9	23.05	21.18	20.53	21.08	21.89	22.09	22.05	21.37	21.04	20.95	22.86	23.21	23.53	23.44	23.59	22.51	22.21	25.06	23.97	23.91	24.97	24.64	23.17	22.22	27.13
1	2017 July	Market Pri 7 AM Mkt	21.98	21.68	24.86	25.61	25.56	24.53	22.15	21.39	19.72	18.35	20.45	20.87	20.8	21.04	21.13	20.68	22.45	23.74	24.68	24.82	24.74	22.59	22.4	28.94	25.44	24.96	27.45	29.31	23.39	22.2	12.31
1	2017 July	Market Pri 8 AM Mkt	23.17	21.96	32.03	32.94	31.82	32.3	26.15	21.68	20.9	18.85	22.35	23.23	23.45	22.86	21.9	21.39	24.73	28.23	29.62	30.03	28.96	24.01	23.39	33.6	30.66	31.09	33.4	32.41	24.37	23.39	35.01
1	2017 July	Market Pri 9 AM Mkt	25.77	23.8	35.25	38.03	34.78	35.08	30.34	22.38	22.18	19.87	27.14	26.75	28.04	28.23	23.91	23.05	30.98	32.41	33.63	34.36	33.94	26.69	24.66	36.59	34.71	34.36	36.17	34.99	28.61	26.53	36.89
1	2017 July	Market Pri 10 AM Mkt	33.04	27.35	38.67	40.83	37.14	37.04	33.78	24.22	22.54	22.74	30.93	29.92	31.96	32.22	26.57	24.35	34.19	35.16	35.15	36.56	36.19	33.33	27.52	40.93	38.23	37.01	41.08	39.29	35.21	30.52	41.63
1	2017 July	Market Pri 11 AM Mkt	39.19	33.52	44.37	42.79	41.31	41.5	34.06	24.93	24.2	27.51	34.23	32.78	33.76	34.23	31.58	29.08	37.71	38.83	37.73	40.06	40.6	37.64	35.95	46.89	42.45	42.53	45.89	42.89	37.98	37.68	47.66
1	2017 July	Market Pri Noon Mkt	41.16	37.49	49.68	44.85	45.21	45.96	36.25	25.82	26.07	31.89	35.36	34.55	35.62	36.04	35.42	36.76	41.64	41.71	40.67	44.02	44.03	40.21	39.94	53.88	46.78	48.16	52.9	49.04	39.77	39.79	58.6
1	2017 July	Market Pri 1 PM Mkt	41.95	40.21	56.56	47.11	47.64	49.13	37.61	26.6	28.29	34.21	36.3	35.24	37.32	36.41	36.41	37.09	45.12	43.29	42.86	46.12	47.26	41.24	41.42	63.47	52.86	54.49	63.89	56.66	40.81	42.48	78.93
1	2017 July	Market Pri 2 PM Mkt	42.92	41.32	65.5	48.61	52.65	55.39	39.33	28.18	30.39	34.98	37.33	36.7	39.51	37.82	38.29	38.6	49.2	47.07	46.17	51.18	50.97	42.25	42.68	81.34	58.97	67.78	85.22	71.4	42.04	43.58	120.36
1	2017 July	Market Pri 3 PM Mkt	43.95	42.64	74.17	49.34	56.47	58.82	39.43	28.92	31.44	35.97	39.47	37.71	40.35	39.08	38.72	39.9	52.57	50.56	47.3	53.14	52.96	42.64	42.78	85.51	66.32	76.75	104.45	85.9	42.48	44.55	131.21
1	2017 July	Market Pri 4 PM Mkt	44.24	42.83	75.71	49.44	58.18	59.97	39.31	29.13	33.54	36.44	39.97	38.67	40.79	39.08	40.4	40.49	54.66	50.35	38.28	53.5	52.71	42.3	43.04	85.27	72.21	81.58	81.82	87.72	42.81	45.47	138.28
1	2017 July	Market Pri 5 PM Mkt	44.04	42.82	73.53	49.16	58.88	60.23	39.13	31.3	33.37	36.8	39.97	39.6	40.79	38.58	40.74	41.09	56.27	50.55	48.75	53.83	52.59	42.75	43.06	91.22	72.38	85.86	102.7	84.32	43.02	46.91	142.66
1	2017 July	Market Pri 6 PM Mkt	44.81	43.92	64.68	48.24	56.1	56.51	37.31	32.66	34.31	36.59	39.4	39.33	40.15	37.99	40.22	40.74	54.44	48.22	47.35	51.76	51.43	42.95	43.92	82.45	62.71	74.8	89.5	85.36	43.8	46.93	126.8
1	2017 July	Market Pri 7 PM Mkt	43	43.25	57.03	47.02	54.21	50.72	35.75	30.77	34.28	35.86	37.56	38.45	38.82	37.59	40.37	41.25	50.55	45.65	44.98	48.24	46.36	42.42	42.8	72.08	59.09	72.09	67	63.24	42.22	46.01	91.61
1	2017 July	Market Pri 8 PM Mkt	41.75	42.29	50.88	45.12	46.84	47.1	34.74	30.09	32.45	34.61	35.81	34.58	37.33	36.27	39.69	40.55	45.13	41.81	42.76	46.24	44.02	41.4	42.22	57.73	53.31	59.26	62.68	54.12	41.9	44.09	76.98
1	2017 July	Market Pri 9 PM Mkt	41.13	41.26	46.93	44.2	45.14	43.48	33.55	27.34	30.6	33.6	34.24	35.57	36.11	35.37	37.11	39.48	42.53	39.72	41.58	44.04	41.72	40.68	41.84	51.54	47.99	53.34	54.75	49.05	41.42	44.23	68.6
1	2017 July	Market Pri 10 PM Mkt	40.31	41.03	44.45	42.91	43.53	41.9	32.3	26.85	29.85	29.17	34.14	35.05	35.2	34.38	37.75	38.46	39.72	39.31	41.17	42.46	40.4	40.25	41.75	45.77	44.47	49.22	50.31	45.59	40.41	42.86	56.11
1	2017 July	Market Pri 11 PM Mkt	36.56	38.77	41.38	41.73	41.38	40.05	31.24	25.6	27.65	27.35	31.53	35.49	35.38	32.39	30.76	37.24	38.64	38.05	39.77	40.17	39.23	37.81	40.76	40.9	40.49	42.33	42.67	41.25	39.49	42.29	42.6
1	2017 July	Market Pri Midnight M	30.46	34.49	36.16	37.27	36.65	34.67	25.61	23.39	24.68	24.48	25.61	27.39	27.11	27.26	26.59	29.29	31.3	33.22	35.78	35.27	35.16	31.58	36.62	34.63	37.09	37.91	38.45	37.65	31.67	39.9	40.65
1	2017 August	Market Pri 1 AM Mkt	38.37	29.03	24.61	24.41	24.76	25.26	26.67	32.01	35.78	30.25	31.74	25.84	25.12	26.55	28.87	32.82	33.95	30.16	30.61	26.2	25.1	25.33	25.21	28.11	29.71	29.68	26.92	24.77	24.3	21.93	24.93
1	2017 August	Market Pri 2 AM Mkt	31.93	27.06	24.22	23.93	23.58	23.94	24.97	26.6	28.06	31.82	26.76	24.03	23.93	24.94	26.23	27.9	27.59	26.78	27.06	25.06	24.35	24.32	24.33	25.57	27.54	26.58	25.06	24.3	23.64	23.67	23.56
1	2017 August	Market Pri 3 AM Mkt	28.36	25.42	23.55	23.31	22.96	22.94	24.04	25.57	26.21	28.32	25.5	23.5	22.94	24.35	24.61	25.27	25.45	24.95	25.11	24.23	23.98	24.08	23.93	24.2	24.93	24.85	24.35	22.41	23.06	22.75	22.8
1	2017 August	Market Pri 4 AM Mkt	26.74	24.89	23.02	22.93	22.76	22.6	23.6	24.59	25.19	26.58	24.94	23	22.58	23.92	24.35	24.32	24.83	24.56	24.85	23.93	23.39	23.86	23.28	23.94	24.33	24.2	24.26	23.41	22.81	22.44	22.52
1	2017 August	Market Pri 5 AM Mkt	26.82	24.61	22.94	22.9	22.58	22.52	23.49	24.58	24.54	25.75	24.44	22.94	22.59	23.93	24.44	24.3	24.32	24.64	22.96	23.05	23.93	23.82	23.26	23.94	24.15	24.08	23.78	23.68	22.9	22.58	22.6
1	2017 August	Market Pri 6 AM Mkt	28.35	25.11	23.66	23.44	22.89	22.45	24.15	25.55	25.22	26.58	24.83	22.96	22.6	24.35	24.93	24.93	25.29	24.99	24.3	22.97	24.35	24.3	24.03	24.59	25.2	24.3	23.5	24.09	23.83	23.03	22.96
1	2017 August	Market Pri 7 AM Mkt	31.16	24.15	20.07	21	22.81	22.52	23.16	26.75	29.16	31.09	24.77	22.96	22.58	24.27	27.48	28.44	27.28	26.84	24.27	23.02	22.49	23.57	23.1	25.76	26.58	24.51	23.3	22.36	22.04	21.39	22.77
1	2017 August	Market Pri 8 AM Mkt	34.53	27.82	23.02	22.84	23.34	22.9	27.33	31.73	32.88	33.19	29.4	23.99	22.68	30.11	32.25	31.95	31.31	30.78	24.53	23.61	25.21	26.63	26.53	28.66	31.37	25.27	23.58	25.95	25.2	23.4	24.13
1	2017 August	Market Pri 9 AM Mkt	36.92	32.59	28.22	27.57	24.53	24.19	32.58	35	35.85	35.95	33.89	24.81	24.3	32.58	34.54	35	33.71	34.03	27.59	24.75	30.31	30.89	30.97	32.56	33.91	28.41	24.9	29.42	27.57	27.15	28.52
1	2017 August	Market Pri 10 AM Mkt	42.13	34.62	30.64	31.24	26.74	26.46	35.38	39.07	40.73	40.96	35.21	28.01	27.9	35.83	36.04	37.79	35.39	37.73	34.99	26.14	33.32	33.32	33.82	34.53	35.81	36.32	28.5	33.1	31.09	30.05	31.98
1	2017 August	Market Pri 11 AM Mkt	49.29	36.21	33.32	33.78	31.78	29.63	39.21	44.8	48.35	46.63	38.77	34.32	34.32	39.88	40.61	41.57	41.93	41.87	39.31	29.66	34.53	35.6	35.99	36.45	39.73	39.61	36.51	34.83	33.32	33.36	33.89
1	2017 August	Market Pri Noon Mkt	59.74	37.8	34.53	34.91	37.1	38.42	45.46	52.1	58.23	55.78	42.82	38.24	38.42	43.88	45.17	49.59	46.84	50.73	43.06	33.82	38.79	37.33	39.57	40.94	41.18	41.5	38.57	37.1	34.51	34.72	34.99
1	2017 August	Market Pri 1 PM Mkt	81.24	38.88	35.95	37.92	37.92	39.28	51.46	62.4	78.24	69.77	44.97	39.44	40.72	48.79	49.41	56.91	54.44	61.39	45.07	29.63	40.84	38.76	40.35	45.24	49.44	44.06	40.02	38.98	34.62	35.4	36.49
1	2017 August	Market Pri 2 PM Mkt	102.24	39.54	38.06	39.14	39.35	41.31	62.12	84.8	114.96	86.5	48.51	39.48	42.5	55.37	58.21	65.58	61.33	77.81	47.55	34.02	42.22	41.17	46.28	47.47	47.44	44.85	42.1	40.91	35.64	36.21	38.1
1	2017 August	Market Pri 3 PM Mkt	102.09	39.85	38.97	41.08	41.4	42.76	76.79	101.61	130.04	89.67	51.25	42.01	43.23	59.19	65.68	77.78	71.09	88.43	49.41	39.05	43.88	41.76	48.33	50.48	55.66	46.39	42.59	42.13	35.51	37.32	40.06
1	2017 August	Market Pri 4 PM Mkt	128.52	40.09	39.84	41.58	42.01	43.82	84.43	114.09	130.36	91.54	49.73	42.89	43.75	61.87	71.55	86.91	75.74	83.05	50.24	39.91	43.83	41.74	51.5	50.94	60.32	47.37	43.03	42.27	35.39	38.74	41.04
1	2017 August	Market Pri 5 PM Mkt	108.88	39.91	40.98	41.99	42.51	43.96	83.15	123.64	138.91	92.25	49.4	41.84	44.04	61.28	71.46	83.68	75.64	86.85	48.18	41.77	43.46	41.33	53.29	55.19	62.17	47.71	43.63	41.97	35.18	39.7	42.03
1	2017 August	Market Pri 6 PM Mkt	101.72	38.8	41.13	40.69	42.4	44.45	83.75	95.93	126.06	85.06	47.6	41.54	44.57	60.16	68.41	83.24	70.1	72.92	47.21	41.82	42.33	40.9	52.25	52.43	60.35	46.91	41.9	40.68	34.74	39.07	41.08
1	2017 August	Market Pri 7 PM Mkt	69.05	36.7	38.82	38.6	42.07	44.05	78.26	89.91	102.95	73.28	44.03	42.92	44.26	55.38	58.63	65.94	57.78	60.35	44.77	35.92	41.25	39.79	48.41	48.99	52.89	45.2	43.06	38.91	34.06	36.93	37.6
1	2017 August	Market Pri 8 PM Mkt	59.43	35.15	36.41	35.64	40.98	44.2	63.1	72.28	80.36	60.16	40.65	42.09	43.46	49.55	50.74	57.26	50.26	51.35	42.67	38.11	39.06	38.02	45.77	45.72	46.2	44.15	42.34	36.43	33.52	35.81	35.91
1	2017 August	Market Pri 9 PM Mkt	52.49	34.53	34.98	34.65	39.05	43.08	55.11	61.67	73.69	54.4	38.09	40.77	42.74	46.56	47.31	52.55	47.63	48.57	42.78	34.81	38.8	37.62	44.4	45.52	44.99	43.75	40.93	36.4	33.93	35.47	36.06
1	2017 August	Market Pri 10 PM Mkt	48.8	34.01	34.53	33.94	38.57	42.18	47.84	51.25	59.69	48.21	35.82	39.23	42.44	41.75	44.77	47.45	44.5	45.25	42.01	37.47	37.01	35.69	40.28	41.44	41.1	43.54	39.46	35.15	33.43	35.19	35.11
1	2017 August	Market Pri 11 PM Mkt	44.44	32.68	33.5	33.63	35.81	39.19	43.99	44.81	45.88	43.7	38.01	36.38	40	42.75	44.05	44.34	42.88	43.06	36.49	31.12	39.05	36.79	38.22	42.01	42.24	40.96	35.01	34.45	30.4	35.7	38.07
1	2017 August	Market Pri Midnight M	37.22	27.45	26.23	27.59	29	32.08	39.26	41.62	42.68	38.48	29.17	28.5	32.79	38.45	39.49	39.12	36.54	37.97	28.59	26.45	27.85	28.38	34.11	35.3	35.7	32.05	27.85	26.88	25.5	28.2	27.59
1	2017 September	Market Pri 1 AM Mkt	25.25	25.52	23.49	24.07	24.3	24.07	24.17	23.55	22.82	22.15	22.09	22.3	24.32	25.15	23.86	25.31	24.3	24.79	25.32	26.58	25.05	23.89	22.85	21.87	23.24	22.3	24.92	25.51	25.09	23.15	
1	2017 September	Market Pri 2 AM Mkt	23.83	24.23	22.6	22.86	22.85	23.89	22.91	22.83	22.3	21.95	21.87	22.08	23.63	23.94	22.63	23.75	22.79	23.31	23.65	25.12	24.02	23.86	22.56	22.01	22.64	23.02	24.02	24.12	23.81	22.57	
1	2017 September	Market Pri 3 AM Mkt	23.66	23.14	22.3	22.64	22.64	22.36	22.53	22.59	22.3	21.87	21.82	22.03	22.91	22.81	22.7	22.82	22.42	22.69	22.81	24.23	23.14	22.81	22.35	21.99	22.9	22.71	23.29	23.37	22.82	22.3	
1	2017 September	Market Pri 4 AM Mkt	22.77	22.91	22.09	22.7	22.36	22.91	22.49	22.56	22.03	21.82	21.82	21.9	22.82	22.56	22.59	22.64	22.09	22.26	22.4	21.84	22.66	22.74	22.36	21.86	22.15	21.82	22.76	22.77	22.74	22.34	
1	2017 September	Market Pri 5 AM Mkt	22.88	22.65	22.03	22.65	21.83	22.91	22.38	22.58	21.98	21.84	21.82	21.87	22.59	22.3	22.35	22.34	21.95	22.35	22.46	23.29	23.27	22.81	22.3	21.87	22.19	22.38	22.71	22.58	22.57	22.3	
1	2017 September	Market Pri 6 AM Mkt	24.14	22.77	22.09	22.91	22.81	22.35	22.7	22.81	21.99	21.82	21.76	22.13	23.15	22.73	23.35	22.45	22	22.7	22.68	24.3	22.82	23.27	22.3	21.89	22.41	22.83	23.35	23.26	23.54	22.3	
1	2017 September	Market Pri 7 AM Mkt	26.06	22.91	22.19	25.52	22.67	25.58	22.67	22.74	22.03	21.91	19.12	21.73	24.87	23.86	25.11	22.72	22.11	24.81	24.85	27.89	23.34	24.99	22.43	22.02	22.45	22.85	25.27	25.1	25.2	22.3	
1	2017 September	Market Pri 8 AM Mkt	27.83	23.26	22.39	28.74	25.82	28.45	25.08	23.88	22.29	21.87	19.11	22.94	26.87	27.7	27.83	23	22.65	27.43	27.86	30.81	27.88	27.7	22.7	22.3	24.81	26.2	27.83	27.75	28.58	22.44	
1	2017 September	Market Pri 9 AM Mkt	31.76	25.64	23.22	32.46	28.65	30.92	26.59	27.81	22.4	22.27	19.5	26.78	30.4	30.29	30.46	24.7	23.3	29.24	31.58	31.71	27.06	29.41	23.23	22.73	27.87	29.53	30.36	30.39	31.14	23.57	
1	2017 September	Market Pri 10 AM Mkt	34.48	30.42	25.38	34.25	31.49	33.7	31.78	31.24	24.7	22.85	20.89	30.11	32.65	31.7	31.8	27.56	24.89	31.72	31.69	32.42	33.6	31.73	25.52	21.87	29.38	31.03	31.69	33.07	31.6	25.68	
1	2017 September	Market Pri 11 AM Mkt	34.47	35.7	28.72	38.01	34.75	35.15	35.13	34	26.07	24.32	21.23	31.7	34.08	34.66	34.65	34.43	27.37	34.04	35.11	35.17	35.01	34	26.69	24.79	28.62	31.67	34.1	35.16	33.93	27.55	
1	2017 September	Market Pri Noon Mkt	35.21	36.66	33.88	39.61	35.2	35.58	35.59	35.16	29.29	25.52	23.34	34.58	35.62	35.77	35.01	35.81	32.52	35.73	37.32	36.6	35.69	34.03	27.2	25.35	32.53	34.64	35.37	35.83	33.93	28.97	
1	2017 September	Market Pri 1 PM Mkt	35.28	36.7	35.81	40.16	35.65	35.66	35.33	36.12	31.65	27.27	25.21	35.37	36.26	35.97	35.82	37.61	36.33	37.39	39.84	37.91	37	35.2	28.79	26.69	34	35.76	37.46	37.37	35.5	33.59	
1	2017 September	Market Pri 2 PM Mkt	36.18	38.62	35.81	37.87	35.47	37.26	37.66	36.32	26.07	29.96	27.52	36.44	37.46	37.71	37.53	38.71	38.46	40.84	42.54	40.08	38.42	35.84	24.32	26.86	35.63	36.22	39.01	39.49	36.11	34.1	
1	2017 September	Market Pri 3 PM Mkt	37.45	37.19	39.5	40.18	35.69	38.91	40.35	39.5	30.39	33.3	29.78	37.4	38.46	38.44	39.41	39.65	39.32	44.13	46.31	40.7	39.51	35.82	24.66	31.54	36.94	39.19	40.36	41.11	37.26	32.98	
1	2017 September	Market Pri 4 PM Mkt	37.79	38.41	39.71	38.71	36.06	39.37	40.58	39.74	32.5	32.15	31.14	38.84	39.98	39.62	41.22	40.53	40.45	45.78	48.22	41.63	39.56	35.96	31.59	31.87	39.36	39.82	41.7	42.13	37.15	35.08	
1	2017 September	Market Pri 5 PM Mkt	37.52	37.68	40.35	40.71	36.09	39.72	40.68	39.81	32.04	33.74	31.6	39.39	40.99	39.64	41.39	40.61	40.52	47.14	50.09	41.96	39.5	35.24	31.06	27.27	39.74	40.07	42.79	42.74	37.28	33.55	
1	2017 September	Market Pri 6 PM Mkt	36.89	37.58	40.25	39.15	36.16	39.51	40.72	39.41	34.41	34.53	31.6	38.92	40.7	39.03	40.58	38.68	39.85	47.14	48.75	41.46	38.15	35.15	29.66	34.95	39.46	39.74	42.29	41.5	35.84	34.78	
1	2017 September	Market Pri 7 PM Mkt	35.66	37.71	38.02	40.33	35.53	38.9	39.5	35.26	35.53	32.86	31.75	37.25	38.36	37.4	37.79	39.39	40.62	45.68	45.1	40.24	36.5	34.34	28.77	34.51	38.65	37.72	40.15	39.5	34.91	32.81	
1	2017 September	Market Pri 8 PM Mkt	35.41	34.99	38.23	39.71	36.18	35.41	35.47	34.79	33.67	28.82	31.49	36.58	37.1	37.21	36.28	37.81	39.52	42.86	43.04	38.36	37.18	33.85	29.29	35.81	37.9	38.06	39.12	39.63	33.85	34.87	
1	2017 September	Market Pri 9 PM Mkt	35.67	38.08	38.88	40.96	36.43	36.03	35.2	33.93	33.82	29.29	31.71	36.29	36.91	36.72	35.78	38.71	38.71	42.31	42.43	39.51	37.61	31.72	31.84	35.81	38.06	37.12	37.65	39.28	33.85	35.03	
1	2017 September	Market Pri 10 PM Mkt	34.68	36.14	36.33	38.07	35.67	35.46	35.8	31.88	29.08	26.55	30.38	35.1	35.57	35.7	34.13	36.31	36.28	37.57	37.21	36.73	31.32	30.14	26.61	30.88	35.16	34.25	35.41	35.37	31.54	31.7	
1	2017 September	Market Pri 11 PM Mkt	35.81	29.6	32.52	34.85	33.24	32.98	32.52	29.63	25.85	24.78	26.28	33.27	35.98	34.3	33.76	31.66	32.52	36.18	37.07	35.3	29.67	26.3	25.25	26.07	35.21	35.25	36.23	36.18	28.79	25.93	
1	2017 September	Market Pri Midnight M	30.18	25.93	26.61	27.27	25.52	26.96	25.67	25.12	23.66	23.13	23.38	26.56	28.75	26.01	27.3	26.67	26.69	29.58	30.82	27.37	24.97	24.3	22.09	21.86	25.93	26.07	26.4	28.03	25.22	24.58	
1	2017 October	Market Pri 1 AM Mkt	24.35	25.99	23.74	24.06	23.74	22.42	22.72	22.29	25.4	25.83	26.58	25.29	23.33	22.89	21.92	22.73	22.73	23.64	23.36	22.9	22.63	21.77	22.49	22.52	22.82	23.08	23.14	22.99	22.18	22.89	23.38
1	2017 October	Market Pri 2 AM Mkt	23.12	24.35	23.37	22.77	21.44	22.11	22.06	21.77	23.85	25.06	24.29	23.83	22.59	22.39	21.69	22.32	22.28	22.43	22.52	22.34	22.19	21.44	22.31	21.91	22.13	22.52	22.39	22.52	21.89	22.52	22.52
1	2017 October	Market Pri 3 AM Mkt	22.7	21.44	22.33	22.25	22.12	21.83	21.77	21.58	23.55	23.64	23.65	22.71	22.42	22.23	21.53	22.22	22	22.12	22.33	22.23	21.83	21.26	21.97	21.53	21.77	22.11	21.93	22.15	21.55	22.44	22.37
1	2017 October	Market Pri 4 AM Mkt	22.52	23.09	22.1	22.18	22.52	21.82	21.73	21.44	22.93	22.8	22.87	22.64	22.33	22.03	21.5	21.85	21.97	22.11	22.17	21.98	21.77	21.18	21.84	21.54	21.55	21.77	22.03	22.16	21.5	22.51	22.34
1	2017 October	Market Pri 5 AM Mkt	22.28	23.44	21.98	22.06	22.14	21.93	21.55	21.45	23.55	23.36	23.44	22.6	22.21	21.86	21.31	22.19	21.96	21.96	22.07	21.77	21.57	21.06	22.13	21.77	21.77	22.23	22.26	21.77	21.44	22.63	22.52
1	2017 October	Market Pri 6 AM Mkt	22.52	25.33	23.44	22.88	22.52	22.14	21.77	21.46	24.56	25.02	24.71	23.49	22.57	21.95	21.39	22.85	22.71	22.69	22.89	22.24	21.68	21.3	22.81	22.52	22.52	22.95	22.42	22.02	21.44	24.22	23.85
1	2017 October	Market Pri 7 AM Mkt	22.47	35.85	29.67	29.22	28.42	25.9	21.93	21.68	34.84	35.43	34.4	33.37	26.44	22.47	21.5	30	28.94	28.27	28.75	25.84	22.05	21.45	31.01	27.95	28.24	29.45	28.25	22.42	21.67	33.96	33.14
1	2017 October	Market Pri 8 AM Mkt	23.18	37.97	34.1	34.12	34.06	29.21	22.43	21.77	37.91	38.04	36.33	35.3	33.44	22.82	21.8	34.09	34.1	33.61	35.3	32.12	22.88	21.77	36.1	33.6	33.45	34.91	33.04	23.1	22.33	37.65	37.13
1	2017 October	Market Pri 9 AM Mkt	24.86	38.47	36.71	36.35	34.08	32.53	23.42	22.52	37.98	37.97	37.87	36.71	33.5	24.7	22.47	34.77	34.21	35.09	35.2	33.36	23.41	22.34	36.71	34.02	34.57	35.49	33.51	24.68	23.44	37.82	38.02
1	2017 October	Market Pri 10 AM Mkt	26.88	40.14	36.71	37.36	36.71	34.02	24.71	24.68	38.85	38.05	37.97	38.08	36.71	24.67	23.4	36.44	35.3	37.4	36.71	35.27	24.88	23.19	37.07	35.23	35.82	37.28	35.58	26.14	24.72	37.81	36.95
1	2017 October	Market Pri 11 AM Mkt	30.4	40.85	38.06	37.97	38.14	35.84	25.86	26.01	40.6	39.98	39.34	38.14	35.51	26.03	23.64	37.06	36.71	36.37	37.97	36.09	25.75	23.55	37.71	36.06	35.98	38.04	35.97	28.01	25.07	38.03	36.71
1	2017 October	Market Pri Noon Mkt	34.4	41.19	38.04	40.87	37.8	35.23	27.28	28.78	41.41	41.43	40.53	40.14	37.64	26.14	23.74	37.75	37.56	36.83	38.08	36.52	26.03	24.64	37.73	36.71	36.53	38.01	35.75	28.06	25.11	37.77	36.9
1	2017 October	Market Pri 1 PM Mkt	35.26	41	38.08	38.21	38.03	35.13	28.1	29.92	41.87	41.58	41.41	40.72	34.02	25.33	23.64	37.71	38.01	36.71	37.97	35.37	26.14	24.7	37.97	36.71	36.43	37.74	35.27	26.37	24.85	38.09	36.26
1	2017 October	Market Pri 2 PM Mkt	36.1	41.36	37.97	40.65	38.15	36.33	28.59	32.61	42.87	42.63	42.15	40.65	34.53	25.44	23.74	38.1	37.82	36.71	38.07	36.49	26.14	24.85	38.06	36.99	36.77	37.83	35.48	25.83	24.9	37.97	36.01
1	2017 October	Market Pri 3 PM Mkt	36.01	41.1	38.91	37.97	38.26	35.43	28.63	32.96	43.18	42.93	42.3	41.22	35.11	24.71	23.44	37.76	37.72	36.98	37.97	36.43	26.14	24.38	38.02	36.88	37.04	37.88	35.29	25.18	24.35	37.5	35.69
1	2017 October	Market Pri 4 PM Mkt	36.3	41.05	41.24	40	37.97	35.5	30.58	34.76	43.99	43.47	42.76	41.31	33.6	24.35	23.66	38.08	37.81	38.1	37.97	36.57	26.14	24.84	37.54	36.45	36.89	37.85	34.62	24.98	24.64	36.71	34.74
1	2017 October	Market Pri 5 PM Mkt	36.12	41.52	40.12	40.04	37.73	35.91	29.39	34.68	44.26	43.52	43.26	41.27	33.94	24.62	23.71	37.03	36.71	37.97	37.97	36.71	25.76	24.62	38.11	36.71	37.58	37.28	35.07	24.86	24.09	37.68	35.41
1	2017 October	Market Pri 6 PM Mkt	36.3	41.11	38.22	40.82	37.83	34.58	32.82	35.75	43.49	43.52	42.99	40.57	33.59	25.02	24.71	37.95	38.01	37.65	38.06	36.33	26.84	26.14	37.89	38.11	37.84	38.05	35.19	25.28	25.55	37.49	36.71
1	2017 October	Market Pri 7 PM Mkt	37.64	40.68	40.11	40.01	37.53	34.66	32.62	37.48	43.22	43.25	42.57	40.65	35.04	25.81	25.82	37.6	38.42	38.09	37.97	35.55	26.14	26.75	39.18	38.05	38.03	38	35.24	26.85	28.71	39.67	37.97
1	2017 October	Market Pri 8 PM Mkt	38.44	40.68	40.01	40.95	38.19	36	31.96	37.72	43.45	43.31	42.94	41.1	34.64	26.82	27.43	38.27	38.12	39.91	38.45	36.85	26.84	32.17	38.02	38.1	38.25	38.82	36.37	28.83	32.01	40.44	40.01
1	2017 October	Market Pri 9 PM Mkt	37.85	40.68	40.14	40.44	38.06	36.62	31.52	37.66	42.74	42.24	41.59	40.6	35.43	25.4	29.24	37.97	40.85	38.16	37.97	36.45	26.14	31.15	38.06	38	37.97	38.16	35.12	26.86	30.16	38.09	37.39
1	2017 October	Market Pri 10 PM Mkt	37.54	39.91	38.24	40.43	36.4	34.14	29.65	36.3	41.19	41.24	40.44	37.01	33.13	25.31	27.26	36.37	37.95	37.71	36.71	34.21	25.31	27.72	36.63	36.6	38.05	36.44	33.37	25.55	28.96	36.71	36.6
1	2017 October	Market Pri 11 PM Mkt	34.87	33.12	33.21	33.12	26.33	25.8	25.33	34.46	36.3	37.59	36.3	28.35	25.24	23.74	25.18	25.91	26.9	28.57	26.86	25.4	23.83	25.35	28.52	29.08	29.51	27.33	26.14	24.59	25.4	26.49	27.96
1	2017 October	Market Pri Midnight M	30.06	25.92	25.75	25.74	23.44	23.41	23.44	28.49	33.06	32.84	29.38	24.58	23.44	22.76	24	23.8	23.85	24.68	24.49	23.74	22.52	23.68	23.8	24.68	25.33	24.75	24	23	24.64	24.07	24.95
1	2017 November	Market Pri 1 AM Mkt	27.45	28.13	27.98	28.51	25.87	25.88	26.37	26.52	27.07	26.09	26.4	24.86	25.64	26.23	26.01	27.38	27.08	27.24	25.15	25.8	26.17	26.57	29.82	33.29	31.91	26.09	26.87	27.55	29.89	29.03	
1	2017 November	Market Pri 2 AM Mkt	26.11	27.07	26.23	27.28	25.87	25.78	25.78	26.01	26.71	25.68	25.28	24.77	25.39	25.77	25.23	26.3	26.3	26.28	25.06	25.67	25.76	25.73	28.87	32.29	29.06	25.9	26.36	27.13	28.9	26.74	
1	2017 November	Market Pri 3 AM Mkt	25.66	27.2	26.74	26.54	25.78	25.68	25.82	25.34	26.31	25.5	24.97	24.77	25.11	25.75	25.15	25.79	26.22	26.01	24.88	25.15	25.55	25.7	28.9	31.32	28.13	25.82	25.93	27.05	28.39	26.35	
1	2017 November	Market Pri 4 AM Mkt	25.8	26.37	25.77	26.32	25.8	25.66	25.58	25.67	26.11	25.25	24.8	24.74	25.06	25.4	25.12	25.79	26.71	26.01	24.83	25.32	25.25	25.72	28.71	31.74	28.13	25.78	26.18	27.08	28.58	26.22	
1	2017 November	Market Pri 5 AM Mkt	27.08	27.01	26.42	26.29	25.84	25.85	26.01	26.24	26.69	25.44	24.83	24.77	25.31	25.67	25.75	26.01	26.82	26.01	24.83	25.18	25.44	26.23	29.47	32.93	28.48	25.81	26.47	27.39	30.02	26.08	
1	2017 November	Market Pri 6 AM Mkt	28.71	29.28	28.54	27.08	25.77	27.71	27.2	28.34	28.45	27.08	25.28	24.77	26.54	26.37	27.08	27.73	29.34	26.35	25.01	26.39	26.11	28.48	34.44	39.72	29.01	26.01	29.85	31.01	35.12	26.55	
1	2017 November	Market Pri 7 AM Mkt	33.33	33.47	34.31	27.08	26.09	33.4	30.2	33.38	31.51	30.76	25.15	24.77	30.2	28.77	30.37	31.11	34.84	26.35	25.15	30.73	28.65	33.29	41.78	39.67	29.94	26.01	34.84	34.79	37.57	23.27	

1	2017 November Market Prc 8 AM Mkt	37.53	36.81	37.9	29.55	26.93	35.5	34.84	34.17	35.22	35.01	26.21	25	34.84	32.84	34.76	35.68	36.43	27.68	25.16	34.84	33.4	36.91	45.27	40.4	33.1	27.53	36.83	37.02	39.17	25	
1	2017 November Market Prc 9 AM Mkt	37.36	36.46	37.68	32.92	27.63	36.45	34.84	36.5	35.19	36.54	28.13	25.4	35.25	31.61	35.2	35.76	37.03	29.31	25.79	35.56	33.29	37.28	45.48	40.08	35.72	28.13	37.31	37.6	38.37	29.98	
1	2017 November Market Prc 10 AM Mkt	37.47	37.9	37.84	33.64	28.13	36.38	34.84	36.55	35.62	36.6	29.51	27.08	36.01	31.38	36.17	36.43	37.4	29.97	27.08	36.36	34.79	37.56	45.49	40.37	38.72	29.51	37.68	36.68	40.44	31.98	
1	2017 November Market Prc 11 AM Mkt	37.31	36.71	37.81	35.16	28.41	37.08	35.63	37.26	35.89	37.32	32.01	27.99	36.33	33.92	36.4	36.56	37.54	32	28.48	36.62	34.99	37.8	48.02	39.74	39.67	29.98	37.88	36.5	40.11	33.44	
1	2017 November Market Prc Noon Mkt	37.45	36.45	37.71	32.8	28.51	37.58	34.24	37.41	35.65	36.82	31.54	28.57	36.91	33.37	37.54	35.82	36.67	31.06	28.87	37.35	34.42	37.8	46.62	39.35	36.9	29.68	37.44	35.29	39.85	32.81	
1	2017 November Market Prc 1 PM Mkt	37.71	36.31	37.02	31.07	28.13	36.76	31.5	36.38	36.17	36.54	31.51	28.46	36.5	33.33	36.59	35.63	36.38	31.05	28.9	36.4	31.62	37.6	45.22	38.14	33.92	29.3	37.28	34.84	38.78	30.66	
1	2017 November Market Prc 2 PM Mkt	37.54	35.84	37.35	30.93	28.13	36.76	28.03	36.36	35.45	36.68	32.01	28.48	36.37	33.38	36.33	35.69	36.18	29.63	28.32	36.19	34.47	37.75	45.1	38.14	32.96	29.06	37.73	34.99	38.36	26.63	
1	2017 November Market Prc 3 PM Mkt	36.64	35.28	36.39	29.56	27.39	36.02	30.99	36.27	35.29	37.34	30.42	28.13	36.38	32.82	36.31	35.1	36.08	30.07	28.45	36.35	33.29	37.77	45.22	37.81	30.2	27.82	36.47	35.19	38.16	24.05	
1	2017 November Market Prc 4 PM Mkt	35.58	36.49	35.4	29.51	27.38	36.22	31.04	36.13	35.11	36.63	30.81	28.13	36.38	31.65	36.54	35.65	34.84	29.51	27.82	35.73	32.38	37.88	43.68	37.81	30.94	28.49	37.57	34.84	38.14	24.18	
1	2017 November Market Prc 5 PM Mkt	36.59	35.14	34.25	29.11	28.31	36.26	33.93	36.64	35.06	36.22	31.8	29	35.97	33.33	36.6	35.28	34.84	29.87	28.93	36.53	35.53	38.2	45.42	37.39	31.52	29.56	37.9	35.64	38.2	24.08	
1	2017 November Market Prc 6 PM Mkt	36.46	35.68	34.84	29.25	30.04	37.46	35.07	37.2	36.91	36.79	35.97	32.84	37.44	35.46	37.89	36.76	36.55	35.06	33.17	37.86	37.07	40.43	47.72	39.73	38.91	36.68	38.6	39.73	40.06	30.81	
1	2017 November Market Prc 7 PM Mkt	37.3	36.29	35.64	31.08	35.08	37.49	36.78	38.14	37.4	37.29	37.6	35.73	37.8	36.46	37.79	37.8	37.39	36.63	35.48	37.8	37.86	40.32	48.05	40.34	39.75	35.03	38.52	39.76	40	32.66	
1	2017 November Market Prc 8 PM Mkt	37.93	36.55	37.45	32.1	32.99	36.25	35.81	37.38	37.06	37.15	33.78	34.2	37.05	34.84	37.55	37.25	37.71	33.09	35.37	37.34	35.38	40.1	48.48	39.37	40.52	39.45	38.14	39.49	38.39	31.91	
1	2017 November Market Prc 9 PM Mkt	36.82	36.72	37.04	31.91	32.03	35.35	35.15	36.75	35.25	36.12	31.27	32.47	36.14	34.62	36.61	36.62	36.51	30.81	33.23	36.55	34.84	39.59	48.18	38.2	35.45	38.88	37.89	38.28	37.66	32.33	
1	2017 November Market Prc 10 PM Mkt	36.72	34.47	35.58	29.33	29.33	33.37	34.84	35.35	33.68	33.24	29.01	30.11	34.29	34.1	36.1	35.19	35.23	28.94	30.83	35.08	34.74	38.43	47.08	37.79	32.93	34.18	36.52	37.12	36.6	29.78	
1	2017 November Market Prc 11 PM Mkt	34.02	32.02	33.43	28.35	27.49	31.54	31.44	32.89	30.2	32.93	27.49	27.68	32.75	30.75	32.03	32.8	33.21	27.55	27.73	31.91	33.82	43.26	43.26	43.26	29.33	29.89	39.5	43.26	36.85	29.14	
1	2017 November Market Prc Midnight M	30.2	28.9	30.2	27.1	26.51	27.67	27.42	28.47	27.38	27.95	25.65	26.08	27.68	27.72	29.06	28.51	28.55	25.88	26.34	27.38	28.57	35.9	39.69	35.62	27.49	27.57	31.57	34.31	30	28.48	
1	2017 December Market Prc 1 AM Mkt	24.57	24.73	23.34	22.56	22.94	25.55	25.93	28.25	28.51	25.89	25.55	29.86	35.68	31.53	32.58	35.73	27.91	25.4	27.75	25.93	26.48	29.4	29.62	29.6	31.4	35.33	35.93	32.69	27.57	22.47	24.19
1	2017 December Market Prc 2 AM Mkt	24.15	24.43	22.9	22.59	22.56	24.51	25.38	27.04	27.09	24.68	24.81	30.03	33.2	31.45	31.66	33.09	25.87	25.24	26.48	25.24	26.32	27.86	28.96	27.08	29.48	32.79	34.5	32	26.32	22.34	23.02
1	2017 December Market Prc 3 AM Mkt	23.64	24.15	22.61	22.23	22.47	24.61	24.96	26.06	26.44	24.24	24.36	28.22	33.5	30.63	30.63	32.06	25.13	24.57	26.25	25.24	25.93	26.61	28.1	26.22	29.28	32.32	34.42	30.91	25.24	23.42	22.56
1	2017 December Market Prc 4 AM Mkt	23.66	23.56	22.92	22.23	22.38	24.67	25.55	25.93	25.88	24.36	25.24	28.76	34.49	31.05	31.07	31.21	25.55	25.37	26.25	25.42	25.96	27.09	26.86	26.12	31.21	32.79	34.32	31.98	24.87	23.2	22.6
1	2017 December Market Prc 5 AM Mkt	23.79	23.74	22.72	22.56	22.56	25.5	26.32	27.09	25.92	24.57	25.93	30.4	35.44	32.52	32.35	32.64	25.8	26.06	26.44	28.57	26.41	26.98	27.01	27.01	34.31	35.24	35.37	32.65	25.24	23.35	22.72
1	2017 December Market Prc 6 AM Mkt	24.86	24.57	22.79	23.99	23.66	29.62	31.21	32.1	27.09	24.57	31.17	35.41	41.11	39.16	35.28	34.67	26.06	32.37	32.79	33.31	30.54	32.22	29.26	27.7	39.55	41.08	38.55	35.74	25.93	22.34	22.63
1	2017 December Market Prc 7 AM Mkt	25.47	25.24	22.62	26.82	28.17	36.5	37.97	38.15	28.71	24.27	38.73	40.05	39.94	40.67	39.46	35.04	26.28	38.44	38.4	38.83	37.94	38.55	32.75	28.11	43.68	42.17	39.38	39.2	25.07	22.56	22.5
1	2017 December Market Prc 8 AM Mkt	29.71	26.05	23.17	30.16	33.59	39.05	39.42	39.69	31.47	25.24	40.51	40.61	42.17	41.95	40.69	41.24	28.97	39.45	40.55	41.82	39.75	39.51	39.21	32.75	45.16	42.94	42.63	40.41	36.06	22.56	23.08
1	2017 December Market Prc 9 AM Mkt	33.98	27.52	23.34	32.08	35.84	39.01	39.33	40.23	33.15	28.75	40.62	40.56	41.83	42.12	43.59	41.8	32.79	39.61	40.5	40.72	40.16	40.04	41.31	35.46	45.63	42.33	42.01	40.43	36.48	24.29	24.51
1	2017 December Market Prc 10 AM Mkt	34.39	29.07	25.24	35.15	35.83	39.23	39.23	40.26	41.3	29.49	40.72	40.19	41.27	41.29	41.67	42.35	32.79	39.58	38.68	40.72	39.22	40.15	41.1	36.33	45.5	42.12	41.94	40.72	37.81	27.88	25.36
1	2017 December Market Prc 11 AM Mkt	33.17	29.05	25.24	36.22	35.98	38.84	39.39	39.95	39.55	30.28	41.03	39.86	40.67	41.48	41.72	42.83	32.47	39.54	39.32	40.3	39.99	39.52	42.4	36.18	45.52	41.21	40.69	39.45	36.42	28.63	25.61
1	2017 December Market Prc Noon Mkt	32.88	29.31	25.44	34.61	35.86	38.79	39.31	39.37	39.73	30.13	40.18	40.22	40.71	40.72	41.18	42.85	32.48	38.65	39.38	40.87	40.15	39.62	41.65	35.29	45.32	40.87	40.33	39.24	35.52	28.02	25.46
1	2017 December Market Prc 1 PM Mkt	30.81	26.8	25.24	35.58	35.76	38.41	38.58	39.37	35.44	29.79	39.58	39.38	40.17	40.5	40.75	38.52	30.45	39.37	38.41	40.7	39.24	39.41	37.44	32.39	45.1	39.88	39.55	39.33	34.5	26.06	24.52
1	2017 December Market Prc 2 PM Mkt	28.03	26.02	24.72	35.84	36.08	38	38.63	39.21	32.99	29.62	39.45	39.4	40.24	40.29	41.33	34.76	28.94	39.28	38.34	40.73	38.51	39.37	34.35	30.08	44.15	39.43	39.38	38.43	29.95	25.84	23.66
1	2017 December Market Prc 3 PM Mkt	27.23	25.68	24.46	34.41	35.99	38.08	38.59	38.82	31.96	28.05	39.37	39.36	39.85	40.66	39.45	32.81	27.74	38.53	38.47	40.55	39.36	39.21	32.65	28.57	43.52	39.37	39.12	38.09	28.19	25.51	23.31
1	2017 December Market Prc 4 PM Mkt	27.65	25.79	24.4	34.5	36.38	38.2	38.58	38.68	33.08	28.06	39.45	39.37	40.03	40.71	39.49	32.72	27.34	39.25	38.85	40.74	39.51	38.09	33.96	28.33	43.18	39.32	39.53	37.94	29.02	25.73	22.95
1	2017 December Market Prc 5 PM Mkt	28.4	26.32	25.06	35.81	36.73	39.39	39.71	39.44	41.18	29.5	40.73	40.13	41.05	41.51	40.25	39.49	30.64	39.33	39.42	41.43	40.75	39.37	39.55	32.47	43.96	39.64	40.72	37.92	27.98	26.06	23.29
1	2017 December Market Prc 6 PM Mkt	36	28.74	27.93	36.72	39.51	40.65	41.28	40.72	42.83	41.71	42.87	42.96	43.88	43.86	42.33	43.76	41.94	41.71	43.15	44.95	40.99	41.56	43.48	41.06	46.57	42.78	42.46	40.74	35.92	28.43	24.87
1	2017 December Market Prc 7 PM Mkt	36.22	31.21	28.74	37.98	40.21	40.72	40.7	41.57	43.49	42.94	43.60	43.85	45.21	44.21	43.04	44.84	41.88	42.55	43.9	45.23	41.59	42.17	44.09	43.47	47.65	44.34	43.31	40.92	37.94	28.67	25.55
1	2017 December Market Prc 8 PM Mkt	36.02	30.79	25.24	35.99	39.38	40.6	40.66	40.81	42.23	41.28	42.43	43.65	44.53	43.61	42.18	43.86	41.73	41.83	41.62	44.29	41.11	41.28	44.16	43.47	46.86	44.16	42.78	40.75	35.98	27.08	24.91
1	2017 December Market Prc 9 PM Mkt	34.5	28.74	26.25	36.06	39.31	39.71	40.3	39.95	41.77	41.02	41.76	42.78	41.48	42.13	41.42	42.49	41.01	41.68	42.53	40.78	40.77	40.62	43.48	43.2	47.07	43.38	42.3	39.65	36.19	26.94	25.04
1	2017 December Market Prc 10 PM Mkt	30.51	26.61	25.48	31.77	37.83	39.29	39.49	39.53	39.55	35.49	40.59	41.71	42.01	39.58	40.76	41.29	39.55	39.58	41.12	40.59	39.46	39.7	43.47	41.17	45.46	41.92	40.55	38.95	33.34	25.93	24.88
1	2017 December Market Prc 11 PM Mkt	27.01	25.61	22.56	26.31	32.37	37.04	41.17	39.55	31.18	29.78	42.61	44.15	43.88	42.76	41.47	37.52	31.56	41.17	43.58	40.79	40.43	41.7	39.55	39.08	45.14	44.18	41.55	40.9	27.81	25.78	23.86
1	2017 December Market Prc Midnight M	25.28	24.5	23.05	23.68	27.09	28.85	31.21	31.67	27.67	25.93	34.22	40.05	39.55	38.06	41.24	30.60	26.48	32.39	33.11	31.56	32.37	35.01	33.77	30.94	41.04	41	28.14	32	25.54	24.57	23.14
1	2018 January Market Prc 1 AM Mkt	26.15	30.17	29.07	28.29	28.81	26.01	24.88	25.96	28.25	29.07	30.12	30.99	29	27.24	28.33	30.1	28.56	27.6	30.59	34.68	31.59	34.23	42.26	38.22	29.03	29	29.07	30.99	34.51	31.38	30.83
1	2018 January Market Prc 2 AM Mkt	25.85	29.07	27.9	26.9	27.71	24.83	24.58	25.26	27.27	28.25	28.38	29.08	27.72	26.76	27.12	29.23	28.22	26.35	29	31.61	30.11	38.33	41.53	38.02	28.79	28.73	28.6	30.52	33.29	30.98	30.29
1	2018 January Market Prc 3 AM Mkt	25.67	27.71	28.05	26.32	27.27	24.42	24.42	24.66	27.12	27.71	27.27	29.68	27.27	26.6	27.03	28.83	27.27	25.76	29.54	31.16	30.1	38.01	41	34.97	28.16	28.6	28.51	30.44	31.51	29.74	29.69
1	2018 January Market Prc 4 AM Mkt	25.62	28.56	27.56	26.49	26.92	24.08	24.42	24.75	27.23	27.86	27.71	29.69	27.4	26.56	27.12	28.18	27.33	25.76	29.69	31.58	30.28	37.97	41.79	34.19	28.16	28.97	28.56	31.58	31.53	30.61	30.03
1	2018 January Market Prc 5 AM Mkt	26.06	28.89	28.29	26.87	27.61	24.09	24.42	25.62	27.12	28.6	28.25	30.52	27.23	26.73	27.12	29	28.16	26.36	30.31	32.05	31.25	37.25	42.3	37.8	28.81	29.07	28.56	31.58	34.29	33.61	30.6
1	2018 January Market Prc 6 AM Mkt	27.12	28.81	27.27	28.07	29	24.43	24.71	27.05	29	28.56	32	29.69	28	27.38	29.69	32.02	29.71	28.28	36.25	33.76	32.28	41.09	42.92	41.48	29.69	31.07	28.81	34.18	37.7	37.57	29.61
1	2018 January Market Prc 7 AM Mkt	27.8	36.38	29.48	29.82	30.42	24.58	25.62	27.72	36.38	36.92	36.99	40.08	28.81	28.45	36.39	36.99	34.85	28.58	39.96	29.07	29.61	42.14	52.92	47.99	41.17	46.04	29	37.03	49.46	46.15	41.08
1	2018 January Market Prc 8 AM Mkt	29.07	39.68	36.49	36.38	36.18	25.1	25.83	33.22	40	40.75	41.38	41.28	30.99	28.81	39.63	41.18	41.33	36.99	41.98	30.63	29.86	46.17	56.15	50.2	46.01	47.25	30.59	37.81	52.45	48.93	44.32
1	2018 January Market Prc 9 AM Mkt	30.57	40.03	39.92	39.06	35.46	25.62	26.94	33.22	40.15	41.13	39.58	41.24	34.74	30.82	39.58	42.07	40.18	37.75	41.68	38.44	31.12	47.44	54.4	49.81	46.01	47.01	34.65	41.09	50.45	47.49	44.39
1	2018 January Market Prc 10 AM Mkt	33.62	41.04	40.49	39.86	36.38	26.56	28.02	35.94	40.19	41.31	40.89	41.3	29.69	34.19	41.31	42.14	41.31	39.54	41.31	38.44	37.8	47.05	52.99	48.63	46.01	47.47	41.48	41.93	49.3	47.57	41.42
1	2018 January Market Prc 11 AM Mkt	29.69	40.94	40.9	40.21	36.99	28.23	28.6	36.38	40.19	42.23	40.94	41.25	30.99	29	39.54	41.61	41.21	39.54	41.68	40.49	37.8	46.31	51.45	48.52	47.05	46.95	41.56	41.57	46.21	47.51	41.64
1	2018 January Market Prc Noon Mkt	31.3	39.95	40.98	40.46	36.99	28.81	29.07	36.74	40.05	42.14	41.34	41.25	33.19	29	39.86	42.2	41.31	39.54	41.35	38.44	37.8	46.18	50.11	48.06	46.5	46.24	41.42	40.77	47.31	45.85	41.41
1	2018 January Market Prc 1 PM Mkt	34.19	39.88	38.46	40.22	36.99	28.03	29.72	36.99	40.19	42.22	40.95	41.25	30.04	29	38.19	42.11	36.99	40.12	41.24	30.63	38.44	46.13	49	48.25	44.94	44.83	41.41	38.44	46.83	42.04	41.31
1	2018 January Market Prc 2 PM Mkt	30.18	36.99	38.16	40.21	35.94	27.71	28.81	36.99	40.21	42.18	41.46	40.97	31.31	28.67	36.9	41.37	36.72	40.19	41.31	29.68	37.8	45.44	48.54	47.57	41.21	45.1	42.61	37.8	46.23	41.31	41.53
1	2018 January Market Prc 3 PM Mkt	30.12	37.03	37.04	39.68	35.52	27.01	28.77	36.99	39.96	41.6	40.64	40.25	29.07	28.56	36.99	41.43	36.99	29	41.25	30.63	37.8	46.21	47.9	46.9	41.18	41.67	39.6	37.32	46.14	41.25	41.5
1	2018 January Market Prc 4 PM Mkt	29.96	35.58	37.55	39.63	36.38	27.01	29	38.09	40.08	42.01	40.56	40	29	28.19	38.63	41.18	36.9	40.02	39.92	29.07	37.8	46.07	47.48	46.24	41.38	41.58	37.8	34.53	46.01	41.31	41.52
1	2018 January Market Prc 5 PM Mkt	30.96	39.84	39	40.53	37.04	27.61	28.14	38.64	41.33	42.08	41.36	40.21	29.07	28.56	38.53	41.4	41.31	39.92	40.03	31.61	38.44	46.81	47.81	47.29	41.56	41.51	37.8	37.8	47.12	41.14	42.3
1	2018 January Market Prc 6 PM Mkt	37.87	41.42	42	42.04	41.17	27.38	29	39.92	43.67	45.85	43.03	42.24	37.31	31	42.35	42.66	41.31	40.03	42.73	34.66	41.47	49.67	50.91	48.28	46.17	45.69	42.81	42.48	48.12	44.31	45.59
1	2018 January Market Prc 7 PM Mkt	38.44	41.73	42.26	41.39	41.31	31.6	29.61	39.92	44.53	45.63	44.78	42.08	38.21	33.14	42.26	46.01	41.98	42.87	44.61	40.15	42.86	51.9	54.71	50.83	48.25	47.39	42.92	43.83	49.83	47.12	48.25
1	2018 January Market Prc 8 PM Mkt	38.44	41.34	41.51	41.51	41.31	27.71	29.07	39.82	43.41	46.13	42.9	41.25	31.61	37.38	42.21	42.32	41.51	41.23	41.89	39.68	42.36	52.97	54.64	49.17	47.75	46.4	43.02	43.86	49.08	47.43	48.14
1	2018 January Market Prc 9 PM Mkt	37.8	41.44	41.06	41.31	39.54	29.65	28.81	40.26	41.44	43.57	42.58	40.8	30.63	37.8	40.9	41.51	41.31	41.09	42.78	37.79	42.03	51.6	54.16	48.33	47.48	46.38	42.41	43.83	47.54	47.12	47.07
1	2018 January Market Prc 10 PM Mkt	34.19	41.31	39.58	39.86	36.38	27.09	28.08	36.99	41.25	41.31	41.18	39.92	29.07	32	39.58	41.31	36.99	39.95	41.6	34.34	41.57	49.21	50.24	47.31	45.61	47.02	41.48	42.72	46.63	44.31	44.85
1	2018 January Market Prc 11 PM Mkt	30.71	30.83	29.69	32.8	29.07	27.16	28.56	35.48	30.96	34.99	38.44	30.63	31.85	28.95	29.69	33.43	29	40.14	41.38	34.44	40.05	43.17	45.22	40.21	37.29	39.96	37.8	41.51	38.06	34.97	40.51
1	2018 January Market Prc Midnight M	30.05	28.07	30.15	31.58	28.44	25.83	27.03	29.68	31.57	28.81	35.22	31.51	29.07	28.6	32.06	30.51	28.81	33.81	38.44	35.04	38.44	42.01	41.78	30.63	34.19	37.61	34.24	38.44	38.44	29.61	31.45
1	2018 February Market Prc 1 AM Mkt	29.35	30.6	28.47	27.93	28.76	28.98	28.57	28	28.54	28.65	26.45	26.52	27.38	27.1	28.7	31.54	28.98	26.23	26.54	27.02	26.08	27.89	29.89	29.33	27.12	27	27.24	27.24			
1	2018 February Market Prc 2 AM Mkt	28.57	29.58	27.76	27.24	28.64	27.95	28.3	27.24	27.93	28.23	25.96	26.34	25.73	26.33	27.1	29.67	28.54	25.84	26.2	26.15	25.67	27.02	28.78	28.78	26.64	26.51	26.07	27.08			
1	2018 February Market Prc 3 AM Mkt	28.78	29.54	27.68	27.02	28.57	27.1	28.14	27.57	27.68	27.68	25.72	26.14	24.96	27.02	27.9	29.42	28.23	25.74	25.89	25.59	26.06	27.45	28.52	28.57	26.54	26.05	25.59	27.24			
1	2018 February Market Prc 4 AM Mkt	28.27	29.67	28.78	26.67	29.37	27.84	28.69	27.45	28.1	27.75	26.05	26.54	25.58	27.02	27.85	29.67	27.86	25.84	26.53	25.59	25.9	27.24	28.78	28.57	26.12	26.98	25.67	27.24			
1	2018 February Market Prc 5 AM Mkt	29.41	29.67	27.48	26.99	29.41	28	28.57	27.18	28.8	28.05	25.86	27.1	25.59	27.15	27.91	30.79	28.32	26.13	27.02	25.73	27.09	27.58	29.42	28.78	26.34	27.1	25.83	28.25			
1	2018 February Market Prc 6 AM Mkt	29.67	34.38	27.9	27.1	29.67	29.87	29.5	28.57	28.57	28.57	26.33	28.36	26.54	29.05	31.12	30.5	28.84	26.51	27.24	26.42	29	29.48	31.9	29.93	26.58	27.15	27.1	29.42			
1	2018 February Market Prc 7 AM Mkt	40.53	43.19	28.54	27.6	39.03	37.88	41.52	35.73	35.48	29.67	27.34	32.88	27.7	31.02	37.86	38.74	29.44	27.1	30.4	31.51	30.19	35.73	37.94	31.12	27.3	30.35	28.55	35.48			
1	2018 February Market Prc 8 AM Mkt	43.97	45.15	29.01	29.05	40.49	39.09	42.03	39.84	38.87	31.68	27.68	30.85	30.54	35.48	39.01	40.36	30.68	27.24	35.73	29.82	35.48	37.88	38.9	29.68	27.18	34.58	33.51	38.76			
1	2018 February Market Prc 9 AM Mkt	41.27	45.5	29.68	27.68	39.8	39.22	40.7	40.04	38.57	33.24	28.7	35.73	35.48	36.9	39.21	39.89	31.84	27.72	35.48	32.75	36.54	40.3	40.36	29.55	27.7	32.88	34.87	34.87			
1	2018 February Market Prc 10 AM Mkt	43.33	44.38	31.17	28.54	41.29	36.98	40.58	38.87	38.19	32.82	29.38	35.73	32.68	36.9	39.62	39.31	28.98	28.81	36.93	31.23	35.73	39.11	40.38	29.67	28.78	36.9	33.19	35.73			
1	2018 February Market Prc 11 AM Mkt	42.69	43.19	34.25	28.57	40.3	35.73	40.3	38.87	37.58	28.56	28.78	36.86	35.48	37.5	39.53	38.56	28.76	29.22	38.49	30.38	36.54	39.11	40.15	29.68	29.03	36.9	35.48	35.48			
1	2018 February Market Prc Noon Mkt	41.28	40.58	34.07	28.04	40.18	35.48	39.11	38.87	34.62	32.06	27.53	37.96	35.47	38.3	39.29	38.87	33.16	27.68	35.73	28.55	37.3	38.57	35.88	29.24	28.94	37.53	32.35	37.88			
1	2018 February Market Prc 1 PM Mkt	41.5	39.26	32.62	27.24	39.1	35.73	39.29	38.4	32.91	28.74	26.57	35.88	35.73	37.95	39.22	37.06	28.98	27.38	35.73	32.85	35.74	39.11	35.73	28.57	27.86	37.58	35.73	35.48			
1	2018 February Market Prc 2 PM Mkt	40.61	40.47	29.59	27.1	38.94	35.45	38.87	37.85	32.88	27.82	25.74	35.73	30.15	37.95	39.22	34.52	27.82	26.89	37.63	28.82	35.91	38.16	34.89	29.22	27.58	35.46	35.48	35.48			
1	2018 February Market Prc 3 PM Mkt	40.56	39.35	29.19	28.23	38.51	32.47	38.43	35.47	28.08	27.11	25.99	35.73	30.63	37.88	38.87	33.19	27.21	27.1	35.73	27.7	35.48	37.73	38.38	29.68	27.82	35.73	35.25	37.58			
1	2018 February Market Prc 4 PM Mkt	40.23	37.88	29.39	28.57	33.31	31.72	37.44	35.48	28.55	27.1	26.33	35.48	35.48	37.85	38.91	30.67	27.24	27.24	34.55	27.73	35.73	35.73	33.19	29.68	27.68	31.98	30.47	36.39			
1	2018 February Market Prc 5 PM Mkt	40.4	39.17	29.59	28.4	36.9	35.48	38.59	35.48	27.94	26.9	26.12	32.85	29.54	37.98	38.57	30.88	27.24	27.12	34.9	27.7	35.46	35.73	34.51	30.2	27.59	35.48	30.46	37.88			
1	2018 February Market Prc 6 PM Mkt	42.87	39.25	31.62	27.99	38.67	34.64	40.63	38.87	28.55	27.84	27.1	34.56	35.48	39.12	40.17	33.19	27.84	28.33	35.48	30.38	35.73	39.1	37.88	29.98	28.54	35.48	35.48	37.91			
1	2018 February Market Prc 7 PM Mkt	46.22	41.11	34.34	29.68	41.21	36.87	41.92	40.3	33.49	27.68	29.68	36.9	33.49	39.74	42.03	39.03	27.68	28.54	35.73	31.83	38.33	41.37	39.01	28.88	28.57	36.34	35.48	39.47			
1	2018 February Market Prc 8 PM Mkt	46.22	40.26	34.24	29.05	39.62	37.87	40.3	39.33	35.24	28.04	28.78	35.73	34.59	39.47	41.5	34.63	28.78	28.78	39.38	35.73	39.44	40.3	38.41	29.59	27.87	36.9	38.42	39.21			
1	2018 February Market Prc 9 PM Mkt	45.24	40.34	29.85	29.67	40.3	40.17	40.62	39.21	33.19	31.5	28.84	35.73	33	39.45	40.63	35.25	30.74	30.78	35.73	35.48	37.96	39.62	39.09	28.78	30.05	35.48	37.89	38.97			
1	2018 February Market Prc 10 PM Mkt	41.88	39.12	28.98	29.67	37.05	38.96	38.87	37.78	33.19	30	28.57	33.02	33.24	37.81	39.13	35.05	29.64	29.66	32.88	32.74	37.94	39.78	38.5	28.54	29.67	35.47	35.71	35.97			
1	2018 February Market Prc 11 PM Mkt	38.31	29.71	28.54	28.78	30.33	32.62	35.94	33	31.22	28.54	28.2	31.01	31.22	36.48	35.57	28.98	28.23	28.25	29.46	29.29	34.78	34.49	30.6	27.33	28.23	30.2	31.47	29.68			
1	2018 February Market Prc Midnight M	35.11	28.57	28.27	29.36	30.58	30.48	28.57	31.94	28.78	27.1	27.39	28.44	28.06	30.78	34.36	29.67	26.71	27.36	28.08	27.1	29.45	31.27	29.67	27.5	27.65	28.18	28.21	29.62			
1	2018 March Market Prc 1 AM Mkt	29.9	27.09	27.23	28.29	27.58	28.03	31.45	34.17	29.03	28.22	28.92	27.42	27.53	31.14	34.02	28.53	29.66	29.05	29.03	28.5	28.77	30.91	28.67	29.26	30.76	28.53	28.19	28.77	30.57	28.05	28.26
1	2018 March Market Prc 2 AM Mkt	28.22	27.09	27.09	27.9	26.8	27.66	30.79	30.79	28.96	27.66	28.32	26.98	27.53	30	31.38	28.77	29.05	28.56	28.47	27.96	27.91	29.26	28.43	29.05	29.3	27.88	27.81	28.53	28.53	27.66	28.2
1	2018 March Market Prc 3 AM Mkt	27.86	27.53	26.61	28	26.82	27.23	30.36	30.49	30.44	27.34	28.28	26.54	27.16	29.66	30.8	28.96	28.56	28.56	28.44	27.66	28.22	28.5	29.66	28.8	28.56	27.99	27.83	28.21	28.53	28.27	27.64
1	2018 March Market Prc 4 AM Mkt	27.92	27.34	26.53	28.16	27.09	27.66	30.93	29.66	30.23	27.23	28.04	27.15	27.13	29.66	31.33	28.56	28.56	28.23	28.87	28.22	28.22	28.53	29.66	28.77	28.68	28.22	28.21	28.56	28.77	28.03	27.58
1	2018 March Market Prc 5 AM Mkt	28.71	27.34	26.8	28.56	28.56	28.31	33.38	32.26	30.21	27.66	28.17	27.66	28.12	32.71	30.7	29.99	28.52	28.77	30.61	28.56	29.21	29.66	30.21	28.77	28.96	29.66	28.27	28.77	29.49	28.2	27.5
1	2018 March Market Prc 6 AM Mkt	32.96	28.53	27.18	32.42	31.9	30.85	35.38	30.59	35.03	28.77	28.27	30.21	29.58	35.5	32.18	31.79	29.03	28.56	35.55	31.82	32.82	31.82	34.78	29.63	29.66	33.1	33.33	33.08	33.09	29.46	28.09
1	2018 March Market Prc 7 AM Mkt	37.14	31.66	27.55	32.82	34.35	37.74	42.57	41.93	41.53	29.66	29.61	36.8	36.86	44.9	42.27	36.47	30.71	29.66	38.33	37.47	37.07	36.72	37.01	31.31	31.58	37.08	36.73	36.42	35.12	28.54	28.06
1	2018 March Market Prc 8 AM Mkt	39.02	30.39	28.77	35.69	37.98	39.02	45.09	42.57	44.52	30.42	30.79	36.42	37.97	41.21	42.68	37.55	32.7	31.11	40.28	38.39	37.98	38.28	37.69	32.82	32.82	39.02	37.82	39.32	38.2	33.12	29.03
1	2018 March Market Prc 9 AM Mkt	39.19	33.18	30.87	36.5	37.61	38.61	43.05	40.63	42.43	34.48	33.31	36.72	37.55	42.12	40.63	38.41	35.78	34.23	38.44	37.52	38.41	37.6	37.52	35.51	35.73	39.02	37.92	39.42	38.41	34.35	28.76
1	2018 March Market Prc 10 AM Mkt	37.52	34.35	29.66	37.57	37.78	38.86	40.38	38.68	39.02	34.63	32.82	37	38.25	39.78	39.98	38.9	29.66	35.6	39.02	37.98	38.4	37.55	37.98	35.44	35.73	39.02	38.4	39.02	38.62	34.35	29.05
1	2018 March Market Prc 11 AM Mkt	37.07	34.35	30.48	36.51	39.31	39.02	40.42	37.84	37.64	34.6	33.03	37.07	38.56	42.93	37.94	39.02	35.71	34.76	39.02	38.05	39.02	37.62	37.74	35.65	29.05	39.02	38.44	39.1	38.62	34.35	35.88
1	2018 March Market Prc Noon Mkt	37.53	33.18	30.56	36.5	39.48	39.25	38.88	37.97	37.49	34.44	30.25	37.14	40.38	40.96	39.53	38.36	35.7	34.23	37.53	37.97	38.94	35.7	36.42	35.48	35.22	37.07	38.31	39.33	38.41	34.33	35.52
1	2018 March Market Prc 1 PM Mkt	36.85	31.58	30.55	38.66	37.62	39.03	39.02	37.62	37.07	31.83	29.66	36.15	40.53	39.15	37.92	37.82	35.41	33.64	37.3	35.12	38.29	35.12	35.12	35.41	34.16	38.26	38.37	39.05	37.53	34	35.03
1	2018 March Market Prc 2 PM Mkt	36.02	32.38	30.66	35.69	37.52	38.44	38.41	37.07	37.07	31.15	28.34	35.33	38.91	39.7	38.12	37.92	33.69	31.31	37.61	35.12	37.67	37.09	34.33	34.48	33.07	37.07	37.34	40.38	36.42	34.35	34.62
1	2018 March Market Prc 3 PM Mkt	35.23	31.38	30.41	35.69	39.04	38.42	38.42	35.12	36.42	31.12	28.19	35.4	39.02	37.74	37.9	38.01	32.69	31.63	37.31	34.54	37.83	33.41	32.5	33.28	32.82	37.13	37.6	39.02	35.2	34.35	34.48
1	2018 March Market Prc 4 PM Mkt	35.12	30.16	30.76	36.5	37.71	37.96	38.34	34.35	35.12	30.72	28.23	35.12	39.28	38.24	37.47	37.9	32.99	30.77	35.84	33.65	35.75	29.25	34.35	32.82	33.05	36.4	35.12	38.94	34.35	30.35	32.82
1	2018 March Market Prc 5 PM Mkt	34.35	30.84	30.61	36.5	37.98	38.31	37.62	36.6	34.35	31.12	28.22	33.18	39.02	38.59	37.88	38.29	32.51	32.09	34.35	32.19	36.95	33.18	33.05	34.6	33.47	36.75	37.96	39.02	37.15	29.16	34.57
1	2018 March Market Prc 6 PM Mkt	35.24	32.02	33.92	38.52	39.88	39.49	39.01	37.62	34.26	31.55	28.56	35.12	40.79	40.34	38.42	37.52	35.2	34.48	36.92	34.62	35.54	37.14	30.85	35.64	33.72	37.07	37.96	40.39	37.59	34.35	35.49
1	2018 March Market Prc 7 PM Mkt	37.35	28.54	29.66	40.8	43.33	42.7	43.55	40.38	38.41	31.53	30.52	38.38	44.3	43.17	41.72	37.98	32.82	36.22	39.15	37.98	39.02	37.49	35.12	29.99	29.05	39.02	37.97	40.9	37.98	33.07	34.42
1	2018 March Market Prc 8 PM Mkt	39.03	34.44	31.59	40.54	44.23	44.09	45.37	44.13	38.45	30.58	35.46	38.57	46.6	45.23	44.46	38.42	33.23	36.07	39.79	37.57	41.4	38.97	35.13	34.48	29.6	39.63	39.02	41.4	39.35	34.35	31.41
1	2018 March Market Prc 9 PM Mkt	37.3	31.65	30.92	39.86	41.28	42.27	42.06	42.29	37.07	35.31	33.8	38.37	44.56	43.84	42.29	37.94	39.19	36.5	39.02	39.02	39.02	39.02	33.45	31.15	34.48	39.66	38.92	39.62	39.45	33.09	32.14
1	2018 March Market Prc 10 PM Mkt	34.66	33.18	31.53	36.5	38.6	39.35	39.02	38.4	35.12	30.58	31.54	35.4	39.17	40.75	37.92	37.78	36.5	36.47	37.72	37.52	37.36	35.62	33.18	36.66	35.58	37.22	37.07	39.05	36.42	32.2	29.64
1	2018 March Market Prc 11 PM Mkt	29.66	30.51	33.26	35.69	35.65	35.61	35.51	31.56	34.05	31.48	29.43	35.18	36.5	35.68	35.66	35.68	33.68	34.3	37.26	35.76	36.54	35.69	34.93	34.76	33.85	32.05	35.79	32.05	33.35	34.48	33.49
1	2018 March Market Prc Midnight M	29.01	27.66	29.9	35.56	33.94	31.32	33.47	31.96	29.02	29.95	28.21	30.38	34.48	33.98	32.43	31.83	31.47	30.58	30.83	28.96	34.48	30.73	31.53	32.78	30.98	32.45	31.37	34.02	29.74	30.59	32.24
1	2018 April Market Prc 1 AM Mkt	30.8	28.82	30.67	28.71	28.95	29.37	29.65	30.42	28.55	28.71	28.03	28.16	28.55	27.92	27.83	27.08	28.76	28.42	28.66	28.76	27.66	27.83	26.3	27.34	27.08	27.07	27.75	27.08	27.79	27.25	
1	2018 April Market Prc 2 AM Mkt	30.09	28.95	28.52	28.52	27.09	28.76	28.35	28.85	27.97	27.47	27.67	27.66	27.66	26.79	27.4	27.66	27.71	27.66	27.88	27.66	27	27.22	25.79	25.85	26.77	27.12	26.3	26.31	27.47	27.22	
1	2018 April Market Prc 3 AM Mkt	29.65	29.01	28.24	28.55	27.4	30.51	28.55	29.61	27.22	26.85	27.66	26.52	28.04	27.08	26.97	27.19	27.08	27.88	27.39	28.37	27.08	27.08	26.16	25.58	26.39	25.62	27.08	25.85	27.41	27.03	
1	2018 April Market Prc 4 AM Mkt	29.03	29.63	28.48	27.66	28.76	28.23	28.25	28.76	27.66	27.22	27.22	27.88	27.08	26.12	26.39	27.22	26.8	27.37	28.1	26.48	26.82	26.57	26.28	25.62	25.57	26.52	25.57	25.5	27.25	27.3	
1	2018 April Market Prc 5 AM Mkt	29.65	29.03	29.03	27.66	28.65	29.25	28.52	29.03	28.65	27.3	26.53	27.43	27.66	26.29	26.9	27.08	27.66	26.2	27.79	27.47	26.86	27.19	25.57	25.64	25.35	25.75	26.04	25.57	27.5	27.08	
1	2018 April Market Prc 6 AM Mkt	28.56	31.16	32.15	29.44	30.7	29.83	28.31	28.15	29.8	27.87	27.58	28.18	28.15	26.27	25.85	28.22	27.86	28.12	30.67	28.44	26.51	25.57	26.39	26.17	26.06	27.13	26.3	25.48	26.27	28.95	
1	2018 April Market Prc 7 AM Mkt	30.38	37.09	38.84	31.07	35.62	34.08	30.36	28.95	37.92	36.32	28.51	33.08	33.12	27.8	26.48	30.88	31.53	33.17	36.79	32.22	28.08	26.52	31.09	31.82	28.53	32.57	31.75	26.91	27.08	33.32	
1	2018 April Market Prc 8 AM Mkt	29.65	38.37	41.53	37.84	37.82	37.63	33.04	28.95	41.6	39.37	36.66	37.63	36.74	28.63	25.92	33.17	36.27	37.75	38.86	38.48	29.24	26.78	33.17	35.14	33.28	36.27	36.52	27.56	27.08	36.67	
1	2018 April Market Prc 9 AM Mkt	32.52	39.7	40.04	37.85	37.7	37.87	35.04	29.62	39.12	38.74	37.71	37.82	37.61	31.07	27.19	34.56	36.61	38.59	38.65	37.63	30.35	27.47	33.4	36.82	37.28	36.82	37.37	30.73	28.55	37.63	
1	2018 April Market Prc 10 AM Mkt	31.54	38.61	39.08	37.8	37.63	37.98	34.47	29.65	37.63	37.63	37.63	37.79	37.63	31.96	27.99	33.17	37.63	37.81	37.8	37.67	29.65	28.02	36.03	37.53	37.63	37.11	37.63	32.41	33.01	36.63	
1	2018 April Market Prc 11 AM Mkt	34.47	42.08	37.91	37.8	37.63	37.76	36.75	31.73	37.63	37.63	37.71	37.81	37.83	28.76	28.95	37.8	37.76	37.63	37.8	37.73	30.58	28.95	36.91	37.89	37.66	37.52	37.56	34.41	32.61	37.63	
1	2018 April Market Prc Noon Mkt	28.85	43.46	38.25	37.76	39.04	38.8	34.42	28.95	37.82	37.84	37.78	39.3	37.79	32.37	28.52	39	38.12	37.92	37.87	37.72	31.94	27.96	37.63	37.91	39.46	37.7	37.63	33.9	29.92	37.66	
1	2018 April Market Prc 1 PM Mkt	31.53	43.24	37.83	37.73	38.41	37.78	34.47	31.55	37.87	37.73	38.06	38.19	38.59	30.02	29.65	39.67	37.53	37.53	37.63	37.82	28.54	29.63	37.72	37.99	39.12	37.7	37.63	33.47	32.59	37.67	
1	2018 April Market Prc 2 PM Mkt	29.25	43.23	37.94	37.86	38.47	37.76	32.84	29.6	37.83	37.63	38.51	37.82	37.41	29.6	29.26	39.69	37.81	37.35	37.63	37.83	30.52	28.95	37.95	39.18	39.74	37.67	37.58	32.67	30.87	37.81	
1	2018 April Market Prc 3 PM Mkt	30.58	37.84	37.76	37.55	37.8	37.75	34.47	29.65	37.83	37.8	37.76	37.8	37.63	28.12	31.38	37.82	37.95	37.83	37.17	37.8	29.5	31.1	37.82	39.7	37.9	37.78	37.81	31.08	32.6	36.2	
1	2018 April Market Prc 4 PM Mkt	30.56	37.85	37.86	37.81	37.98	37.77	34.22	28.75	37.87	37.69	37.91	37.63	36.62	30.76	30.06	39.24	37.63	36.61	37.83	36.52	30.67	30.37	37.89	38.21	38.06	37.92	37.23	32.92	30.87	34.73	
1	2018 April Market Prc 5 PM Mkt	28.76	37.63	37.82	37.63	37.76	37.63	34.47	28.76	35.58	36.82	37.8	37.78	36.27	31.51	30.25	37.63	36.82	37.76	36.89	36.33	32.03	29.08	37.38	37.63	38.53	37.8	37.6	33.35	30.64	33.14	
1	2018 April Market Prc 6 PM Mkt	33.12	40.07	37.72	37.63	37.63	37.76	32.98	29.52	37.2	37.7	37.78	36.63	35.34	31.8	32.25	37.99	37.77	37.79	36.71	36.23	32.21	31.1	37.72	37.82	38.37	37.76	37.37	33.12	32.14	36.21	
1	2018 April Market Prc 7 PM Mkt	32.67	38.18	37.63	37.72	37.76	37.74	32.37	28.11	34.73	36.71	37.74	37.79	33.17	30.66	29.65	36.82	37.82	35.14	35.55	34.57	29.65	29.6	37.56	37.78	37.71	37.37	36.95	32.52	30.67	33.21	
1	2018 April Market Prc 8 PM Mkt	34.41	43.69	40.21	37.65	38.21	38.03	36.3	29.65	37.4	37.74	35.46	37.63	34	32.87	30.62	37.28	37.64	36.5	37.8	34.41	31.97	29.65	37.54	37.64	36.81	37.38	36.17	34.47	31.51	33.81	
1	2018 April Market Prc 9 PM Mkt	31.62	41.01	37.76	37.81	40.31	39.83	34.47	31.53	40.81	37.76	37.85	40	37.63	29.03	29.04	42.2	37.82	37.81	37.8	37.79	28.95	28.76	37.9	38.77	37.81	37.85	37.56	34.47	32.71	37.25	
1	2018 April Market Prc 10 PM Mkt	31.1	38.57	38.77	37.76	37.87	37.81	34.47	31.52	37.88	37.61	37.63	37.82	34.77	34.47	31.61	39.18	37.54	37.79	37.78	36.09	30.48	28.65	37.63	37.77	37.63	37.82	36.6	35.28	32.37	36.98	
1	2018 April Market Prc 11 PM Mkt	31.47	34.41	34.47	32.12	36.09	34.26	32.74	31.49	34.41	31.7	31.67	34.47	34.38	31.14	33.66	34.47	33.61	34.42	34.47	31.51	30.75	32.37	36.53	35.19	34.24	35.59	34.47	32.94	32.75	34.47	
1	2018 April Market Prc Midnight M	30.39	33.28	28.55	30.73	32.37	32.35	31.42	30.65	32.08	28.95	29.63	30.73	29.65	28.48	28.74	31.4	28.76	30.89	29.65	29.03	28.52	27.98	29.48	28.95	29.75	29.95	29.09	29.35	28.65	29.65	
1	2018 May Market Prc 1 AM Mkt	27	27.77	28.59	27.76	28.49	26.68	27.4	28.56	28.36	27.53	27.4	28.59	26.19	27.06	27.78	29.12	29.65	28.58	28.74	25.84	26.96	27.06	27.82	28.74	28.52	28.68	26.85	27.4	28.13	28.58	28.61
1	2018 May Market Prc 2 AM Mkt	26.67	27.25	27.48	26.75	27.4	26.18	26.66	27.4	27.52	27.24	26.12	26.67	25.54	26.54	27.32	27.78	27.78	27.35	28.16	25.67	26.16	26.67	27.2	27.78	27.4	27.67	25.83	26.67	27.8	27.61	27.05
1	2018 May Market Prc 3 AM Mkt	26.43	27.21	27.15	26.12	26.53	25.99	26.56	27.4	27.38	26.73	25.91	25.91	25.7	25.86	26.22	27.22	26.89	26.67	27.06	25.77	25.67	26.14	26.67	26.85	26.63	26.64	25.67	26.3	26.79	27.01	26.29
1	2018 May Market Prc 4 AM Mkt	26.01	26.65	26.67	26.16	26.3	25.81	26.59	26.88	27.2	26.14	25.73	25.96	25.67	26.11	25.64	26.55	26.25	26.28	26.19	25.43	25.67	25.91	25.89	26.34	25.82	26.19	25.81	26.21	25.97	26.57	25.81
1	2018 May Market Prc 5 AM Mkt	26.55	26.67	27.32	25.95	26.67	26.18	27.02	27.06	27.33	26.85	25.83	26.18	25.77	25.86	25.67	26.21	26.49	26.18	26.54	25.82	25.8	25.86	26.03	26.64	25.9	26.53	25.75	26.09	25.76	26.19	26.3
1	2018 May Market Prc 6 AM Mkt	27.4	28.27	28.69	27.17	27.03	26.12	28.7	28.74	28.74	27.06	27.06	26.34	25.74	26.9	26.79	27.03	27.4	27.2	26.68	25.67	27.03	27.4	27.01	28.94	27.23	26.78	25.85	27.53	27.2	27.2	26.92
1	2018 May Market Prc 7 AM Mkt	33.44	33.94	34.18	31.98	27.4	26.67	33.16	34.57	33.44	32.13	29.56	26.67	25.67	29.01	31.23	31.52	29.01	30.42	27.05	25.67	28.47	29.66	28.75	29.7	28.75	27.07	25.63	28.78	28.75	28.07	28.46
1	2018 May Market Prc 8 AM Mkt	34.97	35.05	38.41	34.57	28.35	26.83	35.11	38.88	38.82	36.42	34.57	27.4	25.92	33.21	33.23	35.1	33.92	34.06	27.4	25.96	32.88	33.44	33.8	34.57	34.57	27.56	25.99	33.38	33.62	33.44	31.98
1	2018 May Market Prc 9 AM Mkt	36.4	35.55	38.54	36.23	29.45	27.78	38.27	38.89	39.12	35.67	34.57	28.58	27.2	34.86	35.13	36.2	35.02	36.15	28.71	27.07	33.6	34.57	35.06	35.55	34.57	28.25	27.24	34.36	34.57	34.57	34
1	2018 May Market Prc 10 AM Mkt	38.3	35.42	36.01	38.04	31.25	28.77	37	38.95	38.85	37.67	37.07	29.88	28.24	36.47	36.42	36.35	35.51	36.35	30.61	27.78	35.05	35.02	35.06	36.15	36.35	30.65	28.82	36.46	35.55	34.82	35.01
1	2018 May Market Prc 11 AM Mkt	36.42	36.35	38.24	37.53	32.42	29.23	36.42	36.35	38.51	37.71	36.45	30.14	28.74	36.35	39.1	36.47	36.35	36.58	32.72	28.58	35.31	35.94	36.25	36.35	36.49	32.33	29.88	37.74	36.35	35.85	37.34
1	2018 May Market Prc Noon Mkt	36.3	35.5	37.04	37.54	30.87	28.74	37.87	36.42	36.35	36.08	36.81	30.69	28.69	36.85	38.23	38.13	36.37	36.35	31.99	28.09	36.35	36.21	36.35	34.77	36.5	33.08	30.79	37.77	36.42	35.55	36.35
1	2018 May Market Prc 1 PM Mkt	37.08	35.02	37.08	37.21	29.17	28.65	37.15	36.32	34.92	36.58	36.35	29.88	28.74	37.75	40.19	40.15	38.56	37.02	33.64	28.29	35.01	36.35	36.32	37.48	36.35	33.42	31.36	37.84	36.35	35.61	36.37
1	2018 May Market Prc 2 PM Mkt	38.94	35.01	34.98	35.37	30.82	28.31	36.42	36.31	34.57	36.07	36.13	30.81	28.76	37.53	41.21	41.09	37.9	38.48	33.98	28.59	34.92	36.25	31.98	38.37	36.35	33.95	29.88	37.83	37.08	36.04	36.74
1	2018 May Market Prc 3 PM Mkt	36.35	34.57	35.1	35.02	29.88	28.3	36.35	36.35	34.57	36.35	36.35	30.29	28.99	37.87	42.14	41.79	38.3	37.76	32.94	28.74	35.08	33.08	36.41	39.58	36.35	34.54	30.43	39.04	36.91	36.35	36.35
1	2018 May Market Prc 4 PM Mkt	35.15	34.57	34.86	34.75	29.42	27.78	34.57	34.18	34.57	35.34	34.95	29.88	29.17	38.54	42.23	42.42	40.05	37.56	33.26	28.32	35.02	36.35	36.35	39.56	35.49	35.44	31.86	38.35	37.46	35.79	36.85
1	2018 May Market Prc 5 PM Mkt	36.16	34.57	35.72	34.61	29.88	27.81	34.97	35.01	34.57	35.2	34.57	31.24	28.99	38.23	42.58	43.88	40.19	38.04	33.29	28.67	35.55	36.4	36.48	39.35	35.55	35.32	32.33	38.77	37.02	34.95	36.35
1	2018 May Market Prc 6 PM Mkt	35.06	33.99	34.57	34.77	28.99	26.67	35.09	34.57	32.96	34.57	35.55	29.88	29.37	39.51	40.83	44.11	37.55	36.96	31.55	28.9	36.06	35.76	36.59	38.54	36.21	34.08	32.08	38.6	36.44	35.55	36.39
1	2018 May Market Prc 7 PM Mkt	35.05	34.57	34.57	33.8	29.17	27.82	35.18	34.57	32.75	33.44	34.57	29.86	29.17	37	40.67	42.35	36.52	37.3	30.42	28.68	35.7	35.55	36.51	37.26	35.02	33.01	32.01	35.53	36.39	35.13	35.71
1	2018 May Market Prc 8 PM Mkt	34.57	34.57	35.55	34.94	29.5	28.59	35.11	34.57	33.58	35.02	33.44	29.44	29.46	36.64	37.46	40.94	36.85	36.42	30.14	28.74	34.57	35.08	36.4	37.47	34.87	31.96	32.75	30.76	35.58	34.57	35.6
1	2018 May Market Prc 9 PM Mkt	34.57	37.88	37.71	34.82	30.8	30.87	35.46	35	35.02	34.58	34.93	31.54	30.68	37.12	38.5	42.72	37.16	36.35	33.05	29.17	34.57	36.4	36.51	37.28	34.89	34.22	32.99	37.82	33.93	36.35	36.35
1	2018 May Market Prc 10 PM Mkt	34.86	36.35	36.35	34.76	32.45	32.18	36.4	35.83	36.85	35.38	34.57	32.02	33.24	37.58	39.14	41.19	36.99	36.35	32.34	30.4	35.02	36.25	36.35	36.74	35.41	34.57	34.75	37.83	36.01	36.22	36.35
1	2018 May Market Prc 11 PM Mkt	33.18	33.98	33.79	33.27	29.17	29.88	33.24	33.49	33.02	34.15	32.73	29.32	30.83	34.75	37.81	34.25	36.94	35.05	29.23	29.39	31.65	33.31	35.04	35.37	35.08	32.08	33.04	35.26	34.04	33.97	35.33
1	2018 May Market Prc Midnight M	29.88	29.88	30.14	29.74	27.91	28.67	29.58	29.74	28.99	29.17	29.36	27.76	28.69	29.63	33.82	31.59	31.21	30.75	27.78	27.78	28.1	29.17	29.63	31.62	30.41	29.17	29.33	32.39	30.34	29.58	30.43
1	2018 June Market Prc 1 AM Mkt	23.51	22.66	22.16	21.98	22.2	23.08	23.15	23.56	23.29	24.23	25.25	27.03	29.11	26.8	30.14	27.58	25.77	27	28.6	25.84	24.54	24.61	23.48	23.1	23.29	24.63	26.52	25.67	30.6	30.48	
1	2018 June Market Prc 2 AM Mkt	22.5	22.08	21.23	20.64	20.71	22.5	22.5	22.63	22.68	23.24	24.36	24.85	25.81	26.43	27.02	25.44	24.42	24.79	26.17	24.83	24.23	23.49	22.86	22.63	22.72	23.58	24.37	24.9	26.44	26.67	
1	2018 June Market Prc 3 AM Mkt	22.08	21.17	20.57	19.82	20.64	22.02	22.24	22.28	22.04	22.73	23.82	24.22	24.63	24.81	25.32	24.54	23.4	24.04	25.15	24.54	23.77	23.11	22.51	22.16	22.5	23.08	24.08	24.24	25.06	25.27	
1	2018 June Market Prc 4 AM Mkt	21.64	20.51	19.83	19.26	20.79	21.75	22.01	22.02	21.75	22.16	23.5	24.04	24.43	24.6	24.63	24.05	23.1	24.08	24.75	24.12	23.29	22.89	22.21	21.58	22.04	22.57	23.29	23.79	24.38	24.49	
1	2018 June Market Prc 5 AM Mkt	21.74	20.4	19.81	19.49	21.2	21.72	22.22	22.16	21.75	21.93	23.57	23.79	23.94	24.49	24.62	23.97	22.95	24.22	24.8	23.77	23.36	22.16	22.16	21.6	22.24	22.86	23.24	23.48	24.22	24.36	
1	2018 June Market Prc 6 AM Mkt	22.63	20.61	19.42	19.6	22.39	22.54	22.91	22.86	22.02	21.75	24.03	24.25	24.39	24.96	25.13	24.01	23.11	24.49	25.21	24.11	24.09	23.63	22.36	21.59	22.91	23.42	24.1	24.22	24.63	24.37	
1	2018 June Market Prc 7 AM Mkt	23.6	21.4	19.73	20.76	23.22	23.57	24.18	24.06	22.46	22.01	26.19	26.73	27.87	30	29.93	24.37	23.13	27.03	26.88	26.37	25.41	23.05	22.41	21.47	23.82	24.29	26.25	26.37	28.75	24.64	
1	2018 June Market Prc 8 AM Mkt	25.3	22.5	20.88	21.65	24.63	25.84	27.28	27.38	23.54	22.91	32.97	31.86	34.57	36.85	36.91	25.36	23.63	35.4	35.22	30.53	27.51	27.08	23.03	22.49	27.19	27.58	30.12	32.12	35.34	25.67	
1	2018 June Market Prc 9 AM Mkt	27.57	23.1	22.06	22.01	27.15	27.66	30.48	31.89	24.49	23.94	37.03	36.78	38.09	38.37	38.89	28.06	24.63	37.88	39.01	35.42	33.42	30.28	24.22	23	31.87	33.9	35.35	36.98	38.72	30.14	
1	2018 June Market Prc 10 AM Mkt	30.23	24.22	23.1	23.14	30.5	32.14	33.06	33.44	26.27	25.96	39.43	39.58	42.21	42.32	44.77	34.76	27.33	41.78	44.65	37.54	35.37	34.33	24.99	23.82	35.47	36.7	37.71	38.66	41.22	36.88	
1	2018 June Market Prc 11 AM Mkt	32.52	24.22	23.43	23.61	33.13	33.01	34.31	35.22	29.17	29.17	44.01	43.14	44.87	47.21	48.13	36.7	29.88	45.07	48.44	39.3	36.92	35.36	26.49	25.03	37.21	38.16	39.86	41.25	46.37	38.24	
1	2018 June Market Prc Noon Mkt	33.13	24.22	24.22	23.95	35.03	34.12	35.4	35.32	30.46	33.78	46.29	47.14	49.22	49.56	50.7	38.32	33.91	46.54	55.42	41	37.76	36.21	27.53	26.59	37.6	41.05	42.13	44.58	50.95	40.38	
1	2018 June Market Prc 1 PM Mkt	34.38	24.37	23.87	23.83	35.51	35.49	36.04	36.07	32.29	35.93	48.94	50.41	52.04	54.92	53.68	39.14	36.23	51.13	64.24	40.24	38.91	37.33	28.1	27.96	38.85	42.85	44.49	47.62	57.17	42.78	
1	2018 June Market Prc 2 PM Mkt	34.57	24.22	24.11	23.99	36.29	34.44	36.4	36.88	34.04	37.48	51.21	56.49	57.22	64.25	62.01	39.25	38.74	55.6	68.98	42.37	39.4	38.06	28.69	29.17	39.99	45.82	45.53	53.34	66.54	43.33	

1	2018 June	Market Pri 3 PM Mkt	35.32	24.49	24.22	23.8	36.36	35.28	36.88	36.75	34.15	38.24	51.85	58.16	65.02	67.86	58.93	39.8	38.87	50.2	89.87	42.67	39.57	37.71	28.38	29.16	40.83	47.03	49.07	58.05	73.7	44.27	
1	2018 June	Market Pri 4 PM Mkt	33.74	24.89	24.24	24.17	36.46	35.31	36.49	36.43	34.67	38.7	53.37	62.86	67	72.46	60.97	39.08	38.94	64.71	60.44	42.4	39.64	37.53	29.24	30.59	41.85	48.48	50.28	58.23	80.14	45.54	
1	2018 June	Market Pri 5 PM Mkt	33.17	24.66	24.22	24.71	36.13	34.95	36.57	36.67	35.75	38.91	52.8	63.37	65.21	71.53	59.49	39.12	39.06	69.9	75.56	42.55	39.87	37.41	29.11	29.95	42.37	49.12	51.52	62.51	84.11	46.03	
1	2018 June	Market Pri 6 PM Mkt	32.35	24.83	24.22	24.71	35.38	34.57	36.06	36.06	35.36	39.01	51.52	60.18	64.76	71.27	55.03	39.58	38.76	65.67	64.41	41.95	39.53	36.95	29.36	31.45	41.75	48.57	50.86	65.54	75.24	45.43	
1	2018 June	Market Pri 7 PM Mkt	30.84	24.35	22.5	24.95	34.37	33.3	35.24	35.51	34.41	38.52	49.95	55.5	57.85	62.52	50.8	38.5	38.89	58.96	56.94	39.64	38.36	36.2	28.75	30.93	41.17	46.42	47.67	57.27	66.4	43.76	
1	2018 June	Market Pri 8 PM Mkt	27.65	24.12	23.81	24.5	33.04	31.08	33.46	32.91	34.41	38.35	47.56	51	50.37	53.54	47.76	37.42	38.58	54.05	49.79	37.73	36.95	34.57	28.35	30.81	40.11	44.23	43.59	49.88	55.75	42.46	
1	2018 June	Market Pri 9 PM Mkt	27.44	24.37	24.03	24.76	33.13	31.47	34.49	32.81	33.98	38.01	45.84	49.08	48.51	49.81	45.8	36.79	38.3	50.07	46.48	37.5	36.76	32.85	28.73	29.88	38.29	42.31	41.62	47.57	51.51	41.72	
1	2018 June	Market Pri 10 PM Mkt	27.13	24.49	24.22	25.27	33.4	33.15	34.57	33.05	33.83	37.83	43.82	47.63	48.12	48.78	44.19	36.91	38.41	48.66	45.15	37.16	36.86	32.73	29.47	31.75	37.69	41.49	40.58	46.6	49.14	41.04	
1	2018 June	Market Pri 11 PM Mkt	25.38	24.22	23.93	24.37	27.26	26.32	29.53	29.88	32.06	35.46	38.17	39.65	38.29	40.38	38.41	34.76	35.94	39.65	38.39	30.8	33.07	29.48	27.25	28.99	34.08	37.42	36.74	39.36	40.35	39.08	
1	2018 June	Market Pri Midnight k	24.12	23.12	23.09	23.11	24.6	24.22	25.51	24.93	26.35	28.71	30.85	36.6	32.15	37.9	34.4	28.99	29.85	34.76	31.39	26.01	28.07	24.63	24.33	24.89	27.34	32.19	29.91	34.9	37.61	34.46	
1	2018 July	Market Pri 1 AM Mkt	25.58	28.54	29.9	29.65	29.92	28.75	24.64	23.11	23.9	24.64	25.14	24.64	25.02	24.84	24.49	25.57	27.58	27.71	28.2	29.31	29.87	28.55	30.86	28.99	29.88	31.82	33.64	33.94	27.82	34.1	35.78
1	2018 July	Market Pri 2 AM Mkt	24.47	25.65	26.55	25.68	26.88	25.25	23.48	22.5	22.92	23.3	24.49	24.04	23.54	23.27	23.05	24.43	25.14	25.28	25.34	25.68	25.9	25.34	27.03	25.79	27.79	29.64	29.14	28.99	25.59	30.15	31.03
1	2018 July	Market Pri 3 AM Mkt	23.91	24.64	24.72	24.79	25	24.49	22.91	22.18	22.31	22.29	23.3	23.32	22.87	22.65	22.54	23.49	24.22	24.78	24.64	24.81	24.89	24.54	25.95	25.14	25.69	27.3	26.66	25.85	24.64	27.29	28.48
1	2018 July	Market Pri 4 AM Mkt	23.08	24.2	24.42	24.44	24.84	24.19	22.7	21.78	21.99	22.56	23.24	23.05	22.56	22.14	22.1	22.9	24.31	24.2	24.36	24.25	24.02	24.1	25.07	24.6	24.64	26.52	25.34	24.77	23.87	25.87	27.23
1	2018 July	Market Pri 5 AM Mkt	22.87	24.4	24.32	24.22	24.61	24.12	22.51	21.64	21.83	22.51	23.08	23.11	22.7	22.03	21.84	22.97	24.22	24.09	24.17	24.49	23.33	23.41	25.14	24.64	24.64	25.68	25.28	24.22	23.43	25.96	26.11
1	2018 July	Market Pri 6 AM Mkt	22.86	24.87	24.83	24.61	25.2	24.31	22.51	20.39	21.63	23	23.29	22.39	23.09	22.18	22.18	24.01	24.22	24.77	24.64	24.81	23.54	23.39	25.96	23.72	25.42	26.22	25.59	24.26	23.3	28.09	26.02
1	2018 July	Market Pri 7 AM Mkt	22.87	29.04	29.47	26.03	28.5	25.38	22.51	21.58	21.84	24.31	24.57	24.65	24.32	22.18	21.76	26.38	27.29	27.9	27.83	28.05	23.98	23.3	33.41	28.93	28.76	31.76	30.66	24.39	23.21	35.18	34.88
1	2018 July	Market Pri 8 AM Mkt	23.24	34.88	34.88	33.48	35.3	28.93	22.87	22	22.59	25.91	27.18	27.03	26.7	22.9	22.39	28.76	31.75	33.44	33.47	33.47	24.75	24.22	36.74	34	34.49	36.39	35.76	25.68	24.45	38.17	37.01
1	2018 July	Market Pri 9 AM Mkt	24.76	38.19	37.91	36.24	38.32	33.6	23.79	22.81	23.65	28.79	28.76	30.37	29.18	24.79	23.88	34.85	36.55	36.2	37.67	36.83	28.72	26.58	39.68	37.56	37.33	39.13	38.07	30.51	27.77	40.63	40.32
1	2018 July	Market Pri 10 AM Mkt	28.44	41.73	41.23	39.15	40.95	37.08	24.63	23.61	26.5	34.88	32.8	34.62	34.81	28.67	26.67	37.64	37.92	38.13	39.79	39.33	34.59	29.17	45.54	43.51	41.47	45.26	42.7	34.13	31.27	46.48	46.74
1	2018 July	Market Pri 11 AM Mkt	33.92	49.39	46.87	40.95	45.98	38.93	24.98	25.38	30.44	37.01	36.49	36.76	37.1	32.74	29.17	41.3	42.69	40.36	44.12	44.39	36.24	35.24	51.8	47.55	47.32	51.74	48.44	36.24	36.24	54.59	52.24
1	2018 July	Market Pri Noon Mkt	36.24	56.25	51.42	43.18	51.22	40.28	26.21	27.41	34.88	38.24	37.4	39.02	38.99	34.74	33.44	46.55	47.26	45.31	49.04	49.19	38.2	38.2	61.42	53.39	54.42	57.54	54.8	38.83	38.86	65.46	65.28
1	2018 July	Market Pri 1 PM Mkt	38.86	65.11	55.58	45.42	56.14	42.88	27.78	29.48	38.14	39.9	38.55	40.88	39.96	35.7	36.24	51.17	49.4	47.54	53.99	51.42	39.39	40.23	71.33	58.81	60.21	69.57	62.84	39.6	40.96	90.3	80.13
1	2018 July	Market Pri 2 PM Mkt	39.8	77.76	62.34	46.81	62.86	45.42	28.99	31.65	39.17	41.63	41.11	43.34	41.56	36.55	37.55	55.36	53.11	52.62	57.09	56.08	40.71	40.5	88.89	65.73	72.64	89.85	81.14	40.5	41.35	134.03	101.06
1	2018 July	Market Pri 3 PM Mkt	40.88	90.18	66.64	47.43	65.88	45.81	29.66	32.05	39.48	43.37	42.02	45.02	42.3	37.7	38.64	58.98	42.77	54.03	60.54	60.45	40.92	41.84	101.89	70.27	73.02	100.4	76.9	40.97	43.29	157.16	132.91
1	2018 July	Market Pri 4 PM Mkt	41.92	87.75	67.51	48.35	67.03	45.11	29.92	33.82	40.37	44.23	42.92	45.4	42.74	38.27	38.87	61.96	56.11	47.13	61.49	59.72	40.83	42.14	107.37	73.36	84.22	101.01	80.43	41.46	44.28	148.88	105.24
1	2018 July	Market Pri 5 PM Mkt	42.87	88.29	76.51	47.72	67.42	44.96	31.76	33.64	41.28	44.4	44.59	45.45	42.97	39.17	39.49	63.09	41.86	55.37	61.18	60.15	41.23	42.3	102.49	76.11	74.62	110.32	87.99	42.97	44.91	151.26	100.01
1	2018 July	Market Pri 6 PM Mkt	42.89	74.78	62.6	46.85	63.75	42.95	33.27	34.6	41.33	43.22	44.29	45.17	43.01	38.75	39.79	61.7	54.19	53.22	58.37	56.9	41.13	42.19	95.68	73.8	71.54	97.38	92.76	43.12	44.01	138.31	98.75
1	2018 July	Market Pri 7 PM Mkt	41.79	67.27	56.76	45.51	56.73	40.85	31.92	34.63	39.45	41.23	42.74	43.01	39.92	38.77	39.54	57.18	51.2	50.57	55.43	53.03	40.5	41.48	81.28	64.82	78.74	89.19	73.06	41.02	44.65	121.46	75.48
1	2018 July	Market Pri 8 PM Mkt	40.89	58.31	52.17	43.48	52.87	38.9	30.53	32.44	37.9	39.38	40.04	41.26	39.48	37.89	38.85	50.24	46.62	48.25	52.81	48.88	40.01	40.82	63.57	59.44	66.74	70.72	60.28	40.34	42.99	85.88	63.96
1	2018 July	Market Pri 9 PM Mkt	38.91	53.97	49.04	41.91	49.1	37.35	28.75	30.88	36.56	37.9	39.24	39.38	38.29	36.24	38.2	47.65	45.11	46.48	49.84	46.73	39.06	39.93	56.64	54.19	59.86	61.13	55.43	39.51	42.87	79.38	56.1
1	2018 July	Market Pri 10 PM Mkt	39.68	49.67	47.92	40.99	46.62	36.52	28.22	30.15	34.74	36.87	38.48	38.95	37.61	33.93	37.61	44.49	44.06	45.59	47.34	45.11	38.2	40.46	52.01	49.9	56.56	56.78	51.36	38.54	42.56	61.71	50.36
1	2018 July	Market Pri 11 PM Mkt	38.48	39.64	39.05	40.49	38.94	31.12	25.96	28.75	28.07	31.8	34.57	34.62	33.73	33.3	35.96	38.4	38.27	38.2	38.27	38.25	37.06	39.37	39.66	38.91	41.31	42.68	39.61	38.02	41.4	42.94	39.58
1	2018 July	Market Pri Midnight k	33.82	35.87	34.79	37.62	33.69	26.83	24.5	25.91	25.68	27.01	28.6	28.53	28.24	27.79	29.88	32.11	33.46	34.33	34.59	32.34	32.79	36.1	34.69	35.19	36.24	38.25	36.24	32.79	38.65	38.88	37.28
1	2018 August	Market Pri 1 AM Mkt	29.18	24.86	24.8	24.65	25.14	26.63	31.82	32.64	35.89	31.81	25.55	25.14	26.52	29.76	31.2	31.42	29.89	29.91	26.68	25.47	25.39	25.38	27.38	29.18	29	26.04	24.95	24.58	22.88	24.95	24.8
1	2018 August	Market Pri 2 AM Mkt	27.8	24.5	24.39	24.02	24.24	25	26.87	28.49	31.73	27.67	24.47	24.23	25.14	26.32	27.24	27.41	26.39	27.35	24.88	24.65	24.77	24.58	25.41	26.24	26.28	25.14	24.53	24.16	23.91	23.67	24.12
1	2018 August	Market Pri 3 AM Mkt	26.38	24.31	23.93	23.13	21.05	24.5	25.48	26.48	27.8	25	23.89	23.3	24.53	24.82	25.29	25.34	25.14	25.49	24.4	24.24	24.53	24.23	24.26	24.8	24.78	24.53	24.24	23.3	23.28	22.93	23.3
1	2018 August	Market Pri 4 AM Mkt	25.24	23.49	23.29	23.12	22.91	23.93	24.98	25.05	26.23	24.96	23.25	23.2	23.83	24.5	24.5	24.8	25.05	24.65	24.06	23.68	24.23	23.71	23.92	24.62	24.38	24.06	24.23	23.1	22.88	22.88	23.05
1	2018 August	Market Pri 5 AM Mkt	24.99	23.58	23.3	23.07	22.74	23.71	24.69	24.84	25.82	24.67	23.24	22.9	24.16	24.5	24.5	24.7	24.6	24.65	23.63	23.87	24.23	24.33	23.85	24.59	24.35	23.77	23.79	23.3	22.9	22.88	23.1
1	2018 August	Market Pri 6 AM Mkt	25.6	24.23	23.73	23.12	22.87	24.32	24.99	25.14	26.82	24.84	23.3	22.9	24.63	24.94	24.97	25.24	25	24.57	23.43	24.58	24.96	24.38	24.64	24.97	24.37	23.89	24.5	24.12	23.49	23.6	23.95
1	2018 August	Market Pri 7 AM Mkt	28.52	25.49	24.92	23.12	22.82	27.27	30.51	32.56	34.87	28.38	23.6	22.9	27.65	30.98	32.01	31.08	28.77	24.62	23.51	27.27	27.24	27.2	27.97	30.27	24.65	23.58	26.37	25.8	25.13	26.74	27.17
1	2018 August	Market Pri 8 AM Mkt	31.44	27.39	27	23.3	23.44	32.4	34.95	35.7	36.94	33.66	23.8	23.3	32.82	34.91	34.9	34.91	34.81	24.91	24.06	28.08	30.61	29.66	31.7	35.36	25.33	24.5	28.68	27.38	27.49	28.08	29.97
1	2018 August	Market Pri 9 AM Mkt	37.23	30.7	30.33	24.65	24.38	35.87	38.92	39.58	40.27	38.64	24.81	24.52	36.28	38.15	39.13	37.95	37.96	27.78	24.79	33.51	35	34.85	36.62	38.06	28.97	24.73	32.54	30.44	30.34	30.97	34.93
1	2018 August	Market Pri 10 AM Mkt	39.72	35.34	35	26.85	26.24	39.44	43.43	46.13	45.79	42.29	27.79	26.62	39.83	39.88	41.09	39.49	42.81	32.99	26.04	37.68	37.14	37.48	38.53	40.02	33.81	29.18	36.79	34.05	34.08	35	37.29
1	2018 August	Market Pri 11 AM Mkt	42.95	37.4	37.57	30.54	30.91	43.6	51.14	54.11	52.09	44.98	32.62	32.83	44.35	46.15	48.44	47.04	50.41	38.72	29.18	40.64	39.3	40.64	40.56	44.19	37.87	33.8	39.38	36.67	37.43	37.27	39.31
1	2018 August	Market Pri Noon Mkt	43.64	38.8	39.06	33.35	35	51.66	59.1	67.24	62.79	48.45	34.8	35.33	49.42	51.67	56.81	52.85	56.94	38.98	32.13	43.86	41.84	45.63	45.78	49.33	40.15	36.08	41.14	37.99	38.74	38.97	39.53
1	2018 August	Market Pri 1 PM Mkt	45.4	41.3	41.73	33.84	36.28	58.05	79.07	89.37	79.3	51.43	36.17	36.55	56.39	57.85	64.73	59.67	70.09	42.98	34.24	46.41	43.62	48.88	51.64	53.33	41.05	38.72	41.78	38.59	39.28	40.78	41.27
1	2018 August	Market Pri 2 PM Mkt	46.49	42.35	44.08	35.54	38.51	71.94	98.14	132.82	101.17	56.05	38.72	39.03	62.19	67.4	74.38	70.54	94.51	45.24	36.75	48.64	46.61	52.54	55.04	58.01	41.6	39.38	45.3	39.66	40.65	43.18	44.12
1	2018 August	Market Pri 3 PM Mkt	46.76	44.11	46.47	36.75	39.14	86.61	122.68	154.59	109.2	57.9	39.32	39.52	67.57	78.16	90.15	87.18	109.3	45.44	38.62	49.39	47.47	56.08	57.27	67.72	42.92	40.01	47.1	39.68	41.83	44.96	45.55
1	2018 August	Market Pri 4 PM Mkt	38.81	45.03	46.72	39.01	40.13	98.88	130.01	153.99	104.81	56.82	40.03	40.31	68.96	86.23	100.94	86.82	102.16	47.47	38.94	49.04	47.23	58.09	59.66	73.48	44.29	40.52	47.61	39.71	43.72	46.18	45
1	2018 August	Market Pri 5 PM Mkt	44.99	46.28	47.6	39.48	40.5	106.2	143.27	161.07	113.91	56.64	40.3	40.46	70.1	86.82	102.27	91.01	105.39	46.82	39	48.45	46.77	60.22	61.73	80.91	43.94	41.15	47.3	39.61	44.31	47.68	45.28
1	2018 August	Market Pri 6 PM Mkt	43.49	46.31	45.84	39.73	40.66	92.03	111.34	149.78	99.66	53.02	40.08	40.53	68.37	80.4	92	81.52	87.96	44.84	38.86	47.71	46.07	58.76	61.94	72.08	43.5	40.29	46.21	39.06	44.12	46.05	43.57
1	2018 August	Market Pri 7 PM Mkt	41.23	43.53	42.32	38.52	40.66	88.01	102.79	142.35	88.33	49.52	39.49	40.33	62.32	68.47	78.9	67.91	72.4	43.24	38.99	46.66	44.3	55.47	57.23	60.67	42.11	40.5	43.37	38.28	41.43	42.66	40.53
1	2018 August	Market Pri 8 PM Mkt	34.81	40.47	39.09	37.08	40.12	71.43	81.74	97.9	68.58	44.9	38.75	40.03	56.23	58.82	65.56	54.55	60.82	40.32	37.54	43.98	42.08	51.68	52.28	52.6	41.1	39.11	40.33	37.75	39.51	40.16	39.75
1	2018 August	Market Pri 9 PM Mkt	38.6	39.04	38.6	36.34	39.3	63.16	69.84	83	61.74	43.48	36.49	39.33	54.49	55.35	60.03	54.61	56.2	39.34	36.75	43.58	41.7	50.18	50.95	49.89	40.46	38.66	40.28	37.53	39.69	40.12	39.37
1	2018 August	Market Pri 10 PM Mkt	38.54	38.6	38.14	35.57	38.71	55.6	58.42	68.21	55.35	39.6	35.98	38.86	50.48	51.27	55.25	50.84	51.51	38.89	37.39	41.49	39.85	45.76	46.13	47	40.26	37.78	38.97	37.26	39.06	39.17	34.7
1	2018 August	Market Pri 11 PM Mkt	32.32	30.9	31.67	33.74	35.82	40.5	40.79	42.63	42.4	38.09	34.77	36.6	39.59	40.15	40.71	39.18	40.33	33.44	29.62	36.13	34.58	36.61	38.53	39.12	37.15	32.74	29.89	29.36	32.9	33.67	33.76
1	2018 August	Market Pri Midnight k	26.84	26.2	26.99	29.36	30.74	36.15	36.97	39.05	36.75	28.89	28.76	31.84	35.46	35.98	36.32	34.29	36.75	28.74	26.68	27.87	28.49	32.8	33.97	35.57	31.92	27.18	26.53	25.56	27.78	27.8	28.33
1	2018 September	Market Pri 1 AM Mkt	28.32	25.98	26.61	26.88	26.95	27	26.7	25.97	25.61	25.11	25.32	27.16	28.72	27.23	28.75	27.81	28.14	28.77	29.81	27.71	27.42	26.88	25.85	26.7	27.81	27.85	29.82	28.76	27.17	26.95	
1	2018 September	Market Pri 2 AM Mkt	26.63	25.3	25.8	25.89	26.55	25.74	25.7	25.55	24.96	24.97	25.02	26.23	26.4	25.99	27.05	26.21	26.58	27.42	28.75	27.07	26.88	26	25.61	25.7	26.24	27.82	27.62	27.3	26.39	25.96	
1	2018 September	Market Pri 3 AM Mkt	25.7	25.02	25.55	25.48	26.15	25.55	25.49	25.29	24.79	24.8	24.92	25.99	26.14	25.7	26.21	25.7	25.84	26.31	27.43	26.66	26.25	25.7	25.55	26.41	26.02	26.59	26.88	26.68	25.86	25.97	
1	2018 September	Market Pri 4 AM Mkt	25.7	24.92	25.28	25.3	25.9	25.16	25.3	25.16	24.7	24.67	24.8	25.7	25.53	25.7	25.8	25.33	25.51	25.89	26.48	26.06	26.67	25.8	25.36	25.66	25.77	26.25	26.03	26.7	25.7	25.56	
1	2018 September	Market Pri 5 AM Mkt	25.34	24.78	25.23	25.16	25.82	25.16	25.47	25.13	24.66	24.66	24.97	25.51	25.7	25.7	25.64	25.16	25.59	25.7	26.03	26.15	26.58	25.64	25.16	25.7	25.7	25.96	25.73	26.7	25.7	25.47	
1	2018 September	Market Pri 6 AM Mkt	25.6	24.89	25.83	25.7	25.7	25.61	25.64	25.16	24.74	24.54	25.1	25.87	25.9	25.94	25.94	25.12	25.78	26.56	27.82	26.84	27.23	25.7	25.16	26.02	27.23	27.44	26.65	27.43	25.98	25.43	
1	2018 September	Market Pri 7 AM Mkt	25.7	24.8	27.84	27.94	28.78	27.53	27.04	25.08	24.8	24.2	26.8	29.04	28.78	28.89	25.7	25.23	29.6	30.39	33.51	28.93	29.68	25.84	25.31	28.1	29.02	30.36	30.5	31.26	25.88	25.7	
1	2018 September	Market Pri 8 AM Mkt	27.23	25.02	30.88	29.65	31.53	28.84	28.1	25.15	25.02	24.13	27.69	32.28	32.46	32.71	26.06	25.7	33.03	34.33	35.81	33.51	35.34	26.17	25.96	30.98	31.75	34.17	34.72	34.6	26.3	26.36	
1	2018 September	Market Pri 9 AM Mkt	27.89	25.7	34.76	33.51	35.18	31.31	31.27	25.68	25.16	24.7	30.33	35.14	34.89	34.74	27.82	26.66	34.82	35.67	37.5	34.33	36.74	27.23	26.06	31.43	34.46	35.82	35.65	37.5	27.7	27.23	
1	2018 September	Market Pri 10 AM Mkt	33.43	27.82	36.56	36.75	37.92	36.12	34.86	27.42	25.8	25.64	34.94	37.47	37.65	37.52	33.42	28.75	37.5	38.47	39.73	38.93	38.28	28.77	27.38	35.6	37.5	37.28	39.06	38.84	29.8	28.34	
1	2018 September	Market Pri 11 AM Mkt	36.25	30.46	38.34	38.52	39.81	39.34	38.67	29.78	27.82	25.58	37.52	39.14	39.13	39.13	35.78	32.56	39.13	40.06	41.38	40.64	39.76	30.17	29.2	36.12	39.38	40.06	39.43	40	32.92	30.17	
1	2018 September	Market Pri Noon Mkt	38.42	34.82	40.02	38.44	40.6	40.89	37.89	32.45	28.77	28.1	39.03	40	40.36	40.04	37.1	36.96	40.18	41.49	44.6	41.4	41.03	32.43	29.96	38.54	40.89	40.44	41.5	41.16	34.05	32.52	
1	2018 September	Market Pri 1 PM Mkt	38.39	34.75	38.58	40.33	41.56	41.92	41.41	34.01	29.81	29.25	39.2	40.94	39.58	40.58	39.17	37.1	43.94	46.96	46.06	45.73	34.33	33.8	31.95	40.23	41.59	42.02	44.95	42.94	35.54	33.96	
1	2018 September	Market Pri 2 PM Mkt	37.31	38.97	42.03	41.17	44.05	42.32	42.94	32.58	33.13	33.51	40.53	42.2	41.79	42.93	40.55	37.04	48.51	50.44	48.18	47.61	44.35	30.2	29	42.34	44.77	45.92	46.88	45.27	37.07	35.21	
1	2018 September	Market Pri 3 PM Mkt	38.24	40.09	40.07	41.69	44.55	45.65	44.94	34.76	34.49	34.26	41.85	43.77	44.22	44.82	41.25	40.78	52.62	54.88	48.64	48.35	44.13	34.65	32.5	44.89	46.74	48.38	48.65	46.51	37.46	36.87	
1	2018 September	Market Pri 4 PM Mkt	40.38	40.88	40.59	40.2	45.28	46.19	46.37	35.41	32.87	35.79	43.4	45.59	45.61	46.88	41.43	40.43	55.26	58.12	50.42	36.15	34.33	34.49	36.31	46.79	46.96	50.69	51.42	46.95	38.76	34.88	
1	2018 September	Market Pri 5 PM Mkt	39.83	41.44	43.49	40.58	46.2	46.95	46.79	35.85	31.9	36.64	44.45	46.76	46.19	47.01	41.25	41.23	57.2	60.53	50.88	48.42	42.87	34.01	34.76	48.12	48.14	52.17	51.51	46.06	37.31	35.48	
1	2018 September	Market Pri 6 PM Mkt	39.82	42.35	41.35	40.62	45.32	46.7	44.78	35.5	33.34	36.83	44.15	46.36	45.06	46.2	40.4	40.47	56.42	58.77	50.28	47.09	41	32.67	35.38	47.88	47.77	51.09	49.95	43.4	39.2	36.26	
1	2018 September	Market Pri 7 PM Mkt	38.27	40.11	40.01	41.55	44.55	44.23	41.9	36.2	34.09	36.68	41.89	44.01	43.13	43.93	41.02	40.94	53.88	52.72	48.08	45.77	39.46	33.08	34.82	46.12	45.47	47.61	47.9	41.75	36.97	36.96	
1	2018 September	Market Pri 8 PM Mkt	38.53	38.97	41.87	41.4	42.44	42.56	39.77	34.55	33.14	35.73	41.18	41.81	41.46	40.94	39.98	39.82	51.28	50.73	47.89	46.22	39.16	33.87	37.56	45.93	45.01	46.37	47.35	38.86	39.94	37.23	
1	2018 September	Market Pri 9 PM Mkt	38.27	34.9	41.35	39.21	43.4	42.87	39.11	34.39	32.03	37.01	40.27	41.17	41.91	40.7	40.02	41.58	50.5	49.58	47.24	46.5	39.13	35.05	36.6	45.78	43.56	44.84	46.95	39.77	39.17	37.56	
1	2018 September	Market Pri 10 PM Mkt	36.79	38.49	40.64	40	40.78	37.74	37.36	32.65	29.11	34.65	39.5	39.49	40.52	39.83	37.3	39.94	44.38	45.68	44.32	41.56	38.44	32.09	36.35	40.89	40.01	39.96	42.24	38.15	36.16	34.53	
1	2018 September	Market Pri 11 PM Mkt	32.57	34.17	35.36	33.96	34.76	34.34	31.38	28.75	27.57	29.27	36.07	35.99	35.39	36.86	34.7	35.9	37.56	39.61	39.11	32.58	29.91	28.96	30.91	36.07	36.95	39.55	39.3	31.42	30.88	30.9	
1	2018 September	Market Pri Midnight k	28.76	28.98	29.81	28.58	29.02	28.38	27.03	26.24	26.13	26.13	29.62	32.63	29.63	30.87	30.15	31.01	32.94	34.54	30.87	29.02	27.43	27.17	28.56	30.46	30.58	34.66	31.9	28.35	28.67	28.41	
1	2018 October	Market Pri 1 AM Mkt	32.8	28.49	28.6	28.7	27.12	27.56	26.99	30	33.29	32.63	30.83	27.37	27.24	25.47	26.08	26.3	26.83	27.16	26.3	25.98	25.35	25.72	26.3	26.11	26.08	26.3	25.96	25.62	26.3	26.81	27.35
1	2018 October	Market Pri 2 AM Mkt	29.6	27.48	27.32	27.64	26.13	26.53	25.85	28.67	28.25	29	28.6	27.05	26.09	25.02	25.89	25.62	26.13	26.3	25.8	25.62	24.8	25.45	25.11	25.42	26.05	25.96	25.89	25.02	25.8	26.3	26.3
1	2018 October	Market Pri 3 AM Mkt	28.6	27.05	26.94	26.63	25.79	26.11	25.44	27.67	27.76	27.27	27.12	26.16	26.08	24.84	25.72	25.42	25.96	25.82	25.62	25.35	24.41	25.21	24.84	25.38	25.41	25.55	25.61	24.96	25.77	25.85	25.94
1	2018 October	Market Pri 4 AM Mkt	27.46	26.08	26.09	26.09	25.82	25.88	25.34	27	26.9	27.01	27.14	26.01	26.13	24.7	25.62	25.24	25.56	25.62	25.42	25.52	24.41	24.89	24.81	25.18	25.05	25.62	25.44	24.89	25.62	25.72	26.14
1	2018 October	Market Pri 5 AM Mkt	28.6	26.18	26.29	26.58	25.86	25.8	25.02	27.92	27.05	27.12	26.57	25.95	25.73	24.58	26.12	25.62	25.62	25.62	25.47	25.2	24.37	25.61	24.85	25.45	25.62	25.62	25.49	24.52	25.91	25.87	26.01
1	2018 October	Market Pri 6 AM Mkt	30.84	27.16	27.11	27.05	26.13	25.9	25.38	28.61	28.25	28.32	27.79	26.87	25.77	24.71	26.09	26.17	26.17	25.98	25.72	25.43	24.41	26.63	25.84	26.14	26.1	25.98	25.16	24.58	27.27	27.27	27.43
1	2018 October	Market Pri 7 AM Mkt	37.72	34.31	33.92	33.72	31.06	26.94	25.51	37.36	37.07	36.3	35.5	30.2	26.29	24.75	30.51	30.14	30.2	31.54	29.66	25.55	24.58	31.58	29.75	29.66	31.62	28.12	25.77	25.38	35.07	33.8	34.28
1	2018 October	Market Pri 8 AM Mkt	40.47	37.67	36.68	37.36	34.26	27.26	25.95	38.18	37.7	37.55	37.07	35.34	26.67	25.83	35.46	35.03	34.62	35.99	34.38	26.1	25.21	36.19	33.9	34.11	35.19	33.02	26.9	25.8	37.24	38.44	38.25
1	2018 October	Market Pri 9 AM Mkt	41.02	37.07	37.54	37.4	36.01	28.81	27.48	38.87	39.29	37.79	37.54	35.99	27.76	26.29	36.49	35.66	36.12	36.12	34.29	27.04	25.74	36.75	34.37	35.15	35.62	33.78	27.53	26.57	37.7	37.07	37.86
1	2018 October	Market Pri 10 AM Mkt	41.53	37.66	38.38	37.93	37.54	30.51	29.7	40.34	39.74	38.57	39.49	37.53	29.7	27.71	37.03	37.53	37.07	37.48	36.04	28.25	27.02	37.11	35.75	35.46	37.03	35.94	29.19	27.25	37.6	38.31	37.99
1	2018 October	Market Pri 11 AM Mkt	43	40.22	39.72	39.74	37.65	33.84	32.16	41.17	41.01	40.17	40.35	37.57	32.5	28.49	37.39	37.31	37.38	37.48	37.49	30.71	26.94	37.28	36.06	35.88	37.37	36.15	31.31	28.38	38.56	38.29	37.55
1	2018 October	Market Pri Noon Mkt	42.59	40.31	40.08	40.37	37.66	35.21	34.19	41.48	41.71	42.27	41.11	37.53	32.03	28.6	37.3	37.07	37.23	37.51	37.48	31.81	28.05	37.28	36.46	36.66	37.6	36.13	31.38	28.6	39.65	38.31	36.5
1	2018 October	Market Pri 1 PM Mkt	42.85	39.65	39.74	39.74	36.33	35.39	36.42	43.49	42.67	41.8	41.21	37.55	30.83	28.6	37.48	37.65	37.51	39.65	37.48	30.56	27.71	37.41	37.53	37.07	37.63	35.26	29.59	28.34	37.47	37.77	35.19
1	2018 October	Market Pri 2 PM Mkt	43.09	41.07	41.21	39.74	37.66	35.48	36.87	44.71	44.13	43.03	41.59	37.07	29.07	28.25	37.66	37.47	37.15	37.8	37.38	30.19	28.07	37.48	37.07	36.94	37.39	35.27	29	27.95	37.59	38.2	34.94
1	2018 October	Market Pri 3 PM Mkt	43.72	40.37	40.08	39.91	37.72	34.56	37.81	45.06	45.05	44.23	41.61	37.02	28.86	27.34	38.35	37.24	37.5	37.67	37.49	29.83	27.71	37.49	37.49	37.57	37.61	35.37	28.6	27.59	38.56	37.87	35.27
1	2018 October	Market Pri 4 PM Mkt	44.13	42.1	41.18	38.56	37.5	35.56	38.18	46.17	44.57	44.99	41.32	37.44	28.81	27.15	37.5	37.5	37.78	38.17	37.33	30.31	28.01	37.57	36.91	37.44	37.28	35.25	28.25	27.51	38.36	35.69	33.98
1	2018 October	Market Pri 5 PM Mkt	43.92	42.31	40.29	39.18	37.36	35.74	39.11	46.23	44.86	44.88	41.18	37.25	28.81	27.18	37.38	37.07	37.63	37.56	37.07	29.33	28.32	37.55	37.25	37.31	37.33	35.1	28.6	27.34	38.33	37.91	34.24
1	2018 October	Market Pri 6 PM Mkt	44.02	42.33	41.17	37.76	35.99	37.38	39.33	45.83	45.28	44.32	41.35	36.61	29.39	29	37.46	37.54	37.99	37.48	37.07	30.8	30.23	37.57	37.52	37.26	37.07	35.11	29.38	29	38.17	37.78	35.28
1	2018 October	Market Pri 7 PM Mkt	43.35	40.63	42.1	38.21	37.07	37.43	39.78	44.62	44.7	44.14	41.18	37.07	30.76	31.38	37.07	37.7	37.7	37.67	36.19	32.94	32.72	37.55	38.23	37.48	37.66	35.57	30.82	31.5	39.78	40.11	37.85
1	2018 October	Market Pri 8 PM Mkt	43.47	39.74	41.63	39.74	37.48	37.88	41.05	44.87	45.03	43.68	42.4	37.65	32.25	34.04	37.84	37.32	39.74	38.56	37.41	33.36	34.37	37.7	37.67	37.66	37.66	36.12	32.17	34.11	40.5	39.79	37.7
1	2018 October	Market Pri 9 PM Mkt	42.56	40.98	41.83	39.74	37.54	37.65	41.03	44.46	43.67	42.71	41.19	37.59	31.44	34.13	37.7	37.48	37.67	37.87	37.36	31.2	34.14	38.07	37.53	37.48	37.95	35.51	29.98	34.22	40.32	39.56	38.22
1	2018 October	Market Pri 10 PM Mkt	40.88	37.66	39.7	37.81	37.07	35.39	39.23	41.08	41.07	41.27	40.56	36.67	29.7	33.27	36.2	37.07	37.48	37.2	34.8	28.92	33.78	36.7	36.37	37.24	37.07	33.47	28.81	33	37.15	37.26	38.34
1	2018 October	Market Pri 11 PM Mkt	37.58	37.55	39.81	32.84	32.03	31.77	38.19	41.2	39.63	39.16	34.99	30.65	28.16	29.7	33.26	32.48	33.77	31.8	30.84	27.26	28.81	30.82	31.52	33.12	29.98	29.37	27.71	29.7	29.7	29.7	29.7
1	2018 October	Market Pri Midnight k	32.58	32.9	33.17	28.25	28.32	28.31	34.65	35.68	37.49	35.73	29.34	28.21	26.76	28.25	27.47	28.2	28.6	27.94	27.35	25.98	27.11	27.05	27.12	28.36	27.84	27.55	26.3	27.51	27.71	27.98	28.6
1	2018 November	Market Pri 1 AM Mkt	26.44	26.9	26.59	25.78	25.9	26.33	26.06	27.19	25.88	25.97	24.72	25.64	25.94	25.8	27.15	27.07	25.99	25	25.92	25.54	26.59	28.65	32.62	29.95	26.44	26.98	27.41	29.55	28.31	27.73	
1	2018 November	Market Pri 2 AM Mkt	26.83	26.27	26.89	25.71	25.5	25.57	26.06	26.15	25.9	25.13	24.58	25.36	25.7	25.64	25.98	26.59	26.21	24.84	25.42	25.91	25.75	28.25	30.16	28.89	25.95	26.82	27.03	28.67	26.89	27.48	
1	2018 November	Market Pri 3 AM Mkt	25.96	25.79	26.53	25.64	25.4	25.47	25.42	25.9	25.64	24.91	24.6	24.91	25.64	24.91	25.64	26.59	26.2	24.62	25.32	25.48	25.34	28.28	30.58	28.47	25.89	25.77	27.26	28.62	26.08	27.5	
1	2018 November	Market Pri 4 AM Mkt	26.59	25.92	26.17	25.58	25.49	25.51	25.54	26.18	25.4	24.79	24.45	24.91	25.64	25.4	25.64	26.27	26.18	24.61	25.07	25.03	25.68	28.26	30.72	28.28	25.91	26.16	26.95	28.61	25.78	27.73	
1	2018 November	Market Pri 5 AM Mkt	25.64	26.35	26.55	25.64	26.02	25.73	25.77	26.3	25.64	24.73	24.45	25.4	25.64	25.56	26.33	26.86	25.92	24.6	25.47	25.49	26.37	28.84	28.59	28.28	25.88	27.08	27.5	29.31	26.12	28.18	
1	2018 November	Market Pri 6 AM Mkt	28.28	28.62	25.74	25.7	27.5	27.16	27.73	28.17	26.75	24.91	24.45	26.49	26.63	26.59	27.14	29.08	26.95	24.74	27.14	25.64	27.96	33.27	37.5	28.74	24.91	28.61	29.86	31.76	26.36	29.03	
1	2018 November	Market Pri 7 AM Mkt	37.97	37.47	27.27	26.57	34.72	33.01	36.96	35.76	33.27	25.04	24.6	32.75	31.86	32.38	35.79	39.15	26.8	24.91	34.23	32.01	36.96	40.68	43.5	29.44	26.59	37.77	37.24	41.28	27.37	36.31	
1	2018 November	Market Pri 8 AM Mkt	39.48	41.74	29.03	27.29	38.27	37.89	40.31	37.72	37.98	25.73	24.72	37.42	36.34	37.51	39.04	41.24	27.73	25.4	38.27	37.82	39.92	42.85	43.95	31.85	27.14	41.05	40.94	43.55	28.6	38.44	
1	2018 November	Market Pri 9 AM Mkt	39.48	41.42	30.79	28.02	38.86	37.61	40.21	37.53	39.16	27.14	25.51	39.08	35.74	39.11	38.66	40.16	28.74	25.85	39.01	38.27	40.67	42.12	43.18	34.96	27.94	40.56	39.59	42.86	31.84	39.34	
1	2018 November	Market Pri 10 AM Mkt	39.8	41.24	31.98	27.84	40.11	37.34	40.04	38.75	40.34	28.45	25.9	38.55	36.14	39.4	39.51	41.18	29.43	26.71	39.96	38.71	40.6	42.73	43.25	36.97	29.44	39.05	39.59	41.96	36.39	38.58	
1	2018 November	Market Pri 11 AM Mkt	39.43	41.4	33.69	27.43	38.97	38.27	39.05	38.41	39.39	30.66	27.08	40.04	37.44	38.86	39.21	41.04	31.25	27.19	40.51	38.27	41	42.68	41.92	37.18	29.12	40.55	40.7	42.72	37.12	38.85	
1	2018 November	Market Pri Noon Mkt	38.75	40.18	31.67	27.34	39.92	36.93	40.04	38.68	39.01	29.65	27.67	40.23	37.46	40.04	40.13	39.23	29.72	28.34	39.73	38.7	41.24	42.79	41.72	35.92	28.83	39.74	39.18	41.7	36.1	39.06	
1	2018 November	Market Pri 1 PM Mkt	38.53	40.04	29.2	27.29	39.39	33.93	38.5	38.67	39.17	29.27	27.35	39.8	34.75	40.04	40.07	38.5	29.72	28.28	40.18	35.65	40.48	41.06	40.92	33.2	28.94	40.56	38.4	41.24	34.03	38.6	
1	2018 November	Market Pri 2 PM Mkt	38.38	39.17	29.03	27.29	39.29	34.51	39.19	38.57	39.13	29.72	27.29	39.02	35.62	39.05	38.95	38.73	29.03	27.5	39.79	36.96	40.59	42.85	40.58	31.85	28.73	40.83	38.87	42.78	29.61	37.37	
1	2018 November	Market Pri 3 PM Mkt	38.27	38.27	29.01	26.59	38.73	33.17	38.9	38.86	38.94	29.09	27.46	38.71	35.77	40.04	38.6	39.27	28.7	27.62	34.42	37.32	41.24	40.48	40.94	30.22	28.28	39.14	38.48	42.11	28.56	37.75	
1	2018 November	Market Pri 4 PM Mkt	38.1	38.5	28.62	26.59	39.05	32.24	38.27	38.34	38.75	29.61	27.29	38.27	34.79	39.35	38.27	37.97	28.83	27.63	39.54	35.77	40.75	40.54	40.48	29.72	27.84	39.46	38.37	41.24	28.71	37.65	
1	2018 November	Market Pri 5 PM Mkt	38.04	38.16	28.62	27.17	39.18	36.18	38.65	37.94	38.86	29.4	28.28	38.75	37.9	39.51	38.35	37.88	29.61	28.26	39.41	38.27	41.24	42.85	40.38	31.64	28.83	40.04	39.48	41.42	28.36	38.27	
1	2018 November	Market Pri 6 PM Mkt	38.27	37.45	28.62	29.34	40.04	38.27	38.72	39.05	39.37	34.36	30.81	39.26	38.5	40.86	41.28	39.9	32.12	30.66	41.24	40.39	43.57	43.81	43.69	37.14	34.91	42.89	42.89	44.27	34.03	40.48	
1	2018 November	Market Pri 7 PM Mkt	38.27	39.03	29.03	33.35	38.45	39.14	41.24	40.48	40.55	34.49	33.83	40.48	38.34	41.42	41.24	39.27	34.1	34.71	41.24	40.54	43.65	43.58	43.62	36.77	38.45	42.72	44.07	44.88	35.61	41.55	
1	2018 November	Market Pri 8 PM Mkt	39.45	40.09	31.76	31.11	38.57	38.85	40.6	39.59	40.04	31.48	31.63	40.31	37.77	40.48	40.48	40.04	31.34	33.17	40.69	39.15	42.76	43.38	41.3	37.52	37.27	40.95	41.69	42.89	35.64	40.65	
1	2018 November	Market Pri 9 PM Mkt	39.05	39.28	29.72	29.65	38.27	37.99	39.2	38.27	38.58	28.03	29.72	38.75	37.87	39.19	40.24	39.3	29.83	31.15	40.04	38.11	42.28	43.84	41.24	34.3	37.04	41.08	41.28	41.24	35.79	39.61	
1	2018 November	Market Pri 10 PM Mkt	38.45	38.55	28.62	28.3	36.66	37.71	37.81	37.38	36.45	27.73	28.36	37.47	37.88	38.27	38.27	37.77	28.24	29.43	38.27	37.81	41.98	42.06	41.24	31.86	33.32	39.74	41.68	40.04	33.96	38.74	
1	2018 November	Market Pri 11 PM Mkt	30.76	32.32	27.15	26.91	28.28	28.62	30.82	28.74	28.83	26.45	26.59	30.8	29.72	32.09	32.12	31.76	26.89	27.2	30.37	32.91	40.45	42.83	40.55	29.09	29.01	36.86	39.37	35.77	29.09	37.15	
1	2018 November	Market Pri Midnight k	27.26	28.62	27.1	26.34	26.67	27.26	27.73	25.74	27.22	25.31	25.9	27.73	27.19	27.62	27.67	28.62	25.86	25.92	27.18	28.03	35.87	36.59	35.56	27.25	27.29	29.09	32.32	30.67	27.97	30.4	
1	2018 December	Market Pri 1 AM Mkt	27.4	25.91	24.83	25.28	28.06	29.04	30.76	31.51	28.84	27.42	32.92	39.59	33.03	34.57	36.48	30.26	28.39	29.54	31.96	29.27	31.38	31.85	33.03	30.76	41.62	34.44	34.33	31.7	27.16	26.03	25.2
1	2018 December	Market Pri 2 AM Mkt	27.16	25.21	24.61	24.82	27.3	28.84	30.15	29.48	27.47	27.3	31.73	36.87	32.88	33.38	35.12	28.64	28.31	28.74	31.61	29.66	29.69	30.85	29.7	29.74	39.93	37.24	33.03	28.84	24.82	25.16	24.96
1	2018 December	Market Pri 3 AM Mkt	26.81	24.92	24.43	24.68	27.3	28.12	29.44	29.04	27.09	27.16	31.08	35.65	31.87	32.22	33.96	28.04	28.08	29.69	31.25	28.61	29.04	29.96	29.01	29.13	38.21	35.69	31.91	26.6	25.94	24.92	24.88
1	2018 December	Market Pri 4 AM Mkt	26.52	24.92	24.61	24.73	27.52	28.3	28.84	28.75	27.13	27.64	30.98	37.54	32.16	33.02	33.03	28.28	28.15	29.68	31.63	28.91	29.11	28.98	28.97	30.51	39.82	38.37	31.95	25.66	24.61	24.92	24.92
1	2018 December	Market Pri 5 AM Mkt	26.71	25.16	24.68	24.92	28.84	28.84	28.94	28.43	27.19	28.64	31.95	41.04	34.66	33.43	33.16	28.64	29.04	29.33	30.81	29.11	29.04	29.3	29.74	33.51	41.04	38.23	33.92	27.75	25.9	25.08	25.29
1	2018 December	Market Pri 6 AM Mkt	27.36	25.09	26.48	27.05	31.79	31.94	33.7	30.34	27.52	31.99	37.22	40.99	40.48	37.49	35.76	28.64	32.71	34.44	36.03	32.78	33.16	32.25	29.74	40.48	44	40.95	38.93	28.64	24.73	25.02	25.75
1	2018 December	Market Pri 7 AM Mkt	28	25.11	30.45	32.06	41.37	42.34	42.98	31.62	27.09	43.1	43.85	45.56	44.74	43.28	38.23	28.45	43.28	42.86	44.56	42.43	42.55	34.57	29.74	43.92	45.58	45.63	43.42	37.21	26.61	24.68	27.35
1	2018 December	Market Pri 8 AM Mkt	29.09	25.91	37.54	39.56	41.54	43.64	43.88	33.41	28.84	44.9	45.37	47.24	47.16	45.62	41.22	31.59	44.9	46.48	47.63	45.11	43.82	38.73	35.19	47.05	50.09	48.22	46.9	40.41	27.32	25.58	28.62
1	2018 December	Market Pri 9 AM Mkt	29.74	27.3	37.32	38.97	42.69	43.28	43.92	37.52	30.28	44.71	45.78	47.05	47.02	45.63	41.73	34.57	44.82	45.71	46.63	44.08	44.12	41.36	39.59	46.92	47.87	47.06	46.36	42.26	28.97	27.79	30.14
1	2018 December	Market Pri 10 AM Mkt	30.92	28.02	38.95	40.09	43.28	43.15	43.88	40.48	32.57	44.96	44.98	45.67	45.84	46.91	41.28	35.84	43.66	44.51	46.81	43.59	43.83	42.16	38.78	46.06	46.74	46.68	44.61	42.25	30.81	28	33.54
1	2018 December	Market Pri 11 AM Mkt	30.77	28.28	39.67	39.32	43.62	43.22	43.59	40.6	33.45	45.35	44.43	45.15	46.35	47.06	43.79	36.78	44.96	43.28	44.82	45.13	43.86	41.04	38.64	46.23	46.64	45.21	43.83	41.79	31.38	28.33	33.84
1	2018 December	Market Pri Noon Mkt	30.83	28.21	38.23	42.14	43.12	43.28	43.35	40.48	32.49	43.77	43.72	44.71	45.39	46.81	41.55	33.57	43.45	42.71	44.82	43.28	43.39	40.48	37.99	45.39	45.43	44.82	44.25	39.5	31.16	28.14	33.27
1	2018 December	Market Pri 1 PM Mkt	29.04	27.75	38.59	39.58	42.94	42.65	43.28	40.48	31.7	43.85	43.32	44.12	44.52	46.54	39.59	32.76	42.52	43.15	45.2	43.02	43.21	39.04	34.5	44.97	44.45	43.48	43.22	38.1	28.61	27.75	31.12
1	2018 December	Market Pri 2 PM Mkt	29.04	27.65	38.41	39.97	42.56	42.31	42.96	36.59	30.73	43.49	43.41	43.28	45.06	45.72	39.61	31.62	42.26	42.24	44.82	42.57	43.35	36.38	31.4	44.59	44.54	43.38	42.46	35.67	28.27	26.6	29.75
1	2018 December	Market Pri 3 PM Mkt	28.33	27.3	38.24	39.92	42.45	43.28	42.61	33.77	30.84	43.35	43.31	43.59	44.91	44.15	35.97	30.54	43.12	42.66	44.8	43.36	43.28	35.81	31.62	43.88	41.8	43.45	42.14	31.79	28.05	25.9	31.79
1	2018 December	Market Pri 4 PM Mkt	28.64	27.3	38.23	39.61	42.71	43.01	42.71	36	30.34	43.12	43.47	43.58	45.32	44.39	38.39	30.79	43.48	42.45	44.94	43.82	43.28	35.88	31.35	43.59	43.84	44.15	42.3	31.79	28.33	25.66	30.12
1	2018 December	Market Pri 5 PM Mkt	29.11	27.49	38.95	42.53	43.3	43.47	42.71	40.48	32.48	44.84	43.72	44.94	45.32	44.97	40.48	32.93	43.48	44	47.04	44.72	43.28	40.48	34.41	44.76	44.33	44.82	42.25	33.27	29.27	25.75	31.79
1	2018 December	Market Pri 6 PM Mkt	32.53	31.42	42.22	43.7	44.76	45.05	44.82	43.96	40.48	47.49	47.94	49.29	49.24	47.61	44.22	41.42	46.82	49.1	51.44	47.4	45.07	43.99	42.18	49.04	45.29	48.29	44.82	40.4	30.84	27.75	39.5
1	2018 December	Market Pri 7 PM Mkt	34.15	32.1	40.99	43.93	44.71	45.72	45.2	43.78	42.39	48.65	49.1	50.72	49.81	47.64	45.35	42.59	48.91	50.38	51.44	48.33	46.23	44.97	44.34	51.44	46.57	49.08	45.97	41.73	31.25	27.97	39.57
1	2018 December	Market Pri 8 PM Mkt	32.58	28.64	41.78	43.62	44.82	44.96	44.75	43.66	41.28	47.38	48.65	50.24	48.46	47.05	44.22	41.47	48.27	49.6	50.94	46.91	44.82	44.91	43.78	50.44	46.57	49.2	45.17	40.73	30.85	27.3	38.29
1	2018 December	Market Pri 9 PM Mkt	30.8	29.1	37.72	43.28	43.76	44.27	44.9	42.25	41.1	45.82	47.55	48.79	46.83	45.92	43.83	41.1	45.63	49.04	48.26	44.94	44.51	43.84	43.94	48.73	46.64	47.04	44.82	39.31	30.06	27.77	33.27
1	2018 December	Market Pri 10 PM Mkt	29.74	28.14	36.24	42.64	43.28	43.28	43.42	38.46	38.31	44.91	46.02	46.74	44.9	44.82	41.04	40	44.76	46.63	44.82	44.76	43.74	40.85	41.86	46.92	45.48	45.37	43.45	37.39	28.64	27.3	32.42
1	2018 December	Market Pri 11 PM Mkt	28.36	26.61	29.65	35.35	39.09	39.77	39.84	33.03	31.6	43.4	44.65	44.81	44	44.39	37.73	33.19	40.85	43.89	43.12	40.48	41.4	39.79	38.41	45.37	44.38	44.01	40.47	31.61	28.3	27.15	28.61
1	2018 December	Market Pri Midnight k	27.2	25.57	25.96	29.74	30.74	32.07	32.9	30.87	28.64	37.43	41.06	40.75	39.59	41.18	33.03	29.07	33.15	37.91	33.29	34.81	39.44	36.47	33.03	41.75	40.3	41.03	33.39	27.75	27.42	25.66	27.16
1	2019 January	Market Pri 1 AM Mkt	29.11	30.76	29.41	30.09	27.21	26.05	26.58	29.43	31.76	31.78	33.3	30.64	29.2	29.43	32.04	30.54	28.86	31.9	38.77	33.89	39.69	44.26	39.98	31.47	30.64	30.17	34.2	39.01	33.8	29.46	31.08
1	2019 January	Market Pri 2 AM Mkt	28.86	29.58	28.07	29.1	25.58	25.31	26.39	28.95	29.58	29.7	31.47	28.86	28.07	28.49	31.4	29.46	27.59	30.47	34.64	31.76	35.42	43.8	39.98	29.75	29.46	29.46	32.12	38.48	32.28	28.98	29.58
1	2019 January	Market Pri 3 AM Mkt	28.49	29.12	28.03	28.49	25.21	25.21	25.83	27.99	29.58	28.61	30.86	28.25	28.07	27.96	30.76	28.49	26.81	30.69	33.27	33.09	34.15	43.1	37.09	29.45	29.58	29.43	31.57	37.13	34.18	29	29.58
1	2019 January	Market Pri 4 AM Mkt	28.49	28.87	27.56	28.49	25.09	25.17	26.1	28.49	29.43	28.49	31.03	28.25	27.96	28.07	29.84	28.49	26.77	31.74	33.79	32.94	39.26	43.56	37.3	29.44	29.71	29.43	32.17	33.75	32.35	32.23	29.47
1	2019 January	Market Pri 5 AM Mkt	28.86	29.48	28.07	29.05	25.09	25.21	26.48	28.86	30.78	30.92	32.23	28.49	28.03	28.69	30.85	29.43	27.9	32.23	35.05	32.94	38.67	43.7	39.38	30.17	31.13	29.43	32.28	36.82	34.88	29.43	31.46
1	2019 January	Market Pri 6 AM Mkt	29.05	28.07	29.58	28.49	25.19	25.58	28.1	31.25	33.75	34.05	30.17	28.93	28.7	31.4	29.58	31.54	29.83	38.89	29.86	29.86	39.98	45.59	41.96	35.42	36.34	29.58	35.42	42.77	39.29	32.23	36.59
1	2019 January	Market Pri 7 AM Mkt	31.72	30.19	33.88	31.07	25.45	26.57	29.31	35.14	39.88	39.9	41.65	30.42	29.58	37.67	40.78	37.67	33.24	41.81	30.17	30.95	44.81	55.24	50.12	42.96	46.4	29.58	39.38	51.99	48.77	44.78	48.06
1	2019 January	Market Pri 8 AM Mkt	33.75	37.67	38.24	37.67	26.24	27.12	33.88	41.27	42.6	41.47	43.56	33.79	31.38	41.12	41.76	41.27	35.88	43.56	39.27	33.57	47.51	57.7	51.87	48.11	48.97	34.77	39.9	53.21	51.6	47.71	50.17
1	2019 January	Market Pri 9 AM Mkt	36.23	41.63	40.49	39.27	27.31	28.03	30.54	41.34	42.59	41.94	42.81	30.17	34.1	41.46	42.43	42.02	40.88	41.56	42.44	35.18	48.82	56.03	51.54	47.57	48.64	33.03	41.5	52.4	49.33	46.66	50.18
1	2019 January	Market Pri 10 AM Mkt	38.82	42.22	41.33	39.9	28.07	29.46	34.57	42.41	42.61	42.4	42.77	31.57	29.58	41.66	44.64	42.03	40.68	43.33	41.64	39.98	48.99	54.33	51.59	49.03	47.95	44.06	43.77	51.6	49.89	46.17	49.89
1	2019 January	Market Pri 11 AM Mkt	39.34	42.46	42.21	40.36	29.43	29.86	39.69	42.53	42.73	42.77	42.64	39.48	29.86	41.27	44.1	40.38	41.27	43.62	42.89	39.98	48.64	52.51	50.45	47.95	47.94	44.06	43.52	50.8	48.84	46.48	49.75
1	2019 January	Market Pri Noon Mkt	39.38	40.9	42.12	40.88	30.17	31.36	38.24	42.55	42.88	43.28	42.9	32.54	30.04	41.27	43.04	41.62	41.3	43.45	42.86	39.98	48.41	51.68	50.4	48.17	47.61	44.38	43.13	49.75	47.67	44.64	48.86
1	2019 January	Market Pri 1 PM Mkt	39.38	40.9	41.82	40.89	29.58	31.83	40.88	42.65	42.77	42.51	42.8	31.95	29.86	40.98	42.77	41.04	41.31	42.8	32.23	39.98	47.77	51.58	50.36	47.6	48.23	44.05	42.74	48.52	46.03	42.77	47.79
1	2019 January	Market Pri 2 PM Mkt	36.43	40.94	41.67	38.74	29.41	28.86	38.24	42.49	42.77	42.65	42.65	31.17	29.58	38.88	43.59	37.76	41.33	42.77	30.75	42.74	47.68	50.35	49.57	45.92	46.98	44.14	42.6	48.23	46.4	42.77	47.06
1	2019 January	Market Pri 3 PM Mkt	36.76	41.01	41.27	38.24	27.38	28.54	37.65	42.43	42.77	42.42	42.42	30.1	29.46	41.24	42.77	41.27	41.3	42.65	30.17	39.98	47.6	49.51	49.49	45.04	45.53	39.38	39.4	47.95	44.67	44.49	46.19
1	2019 January	Market Pri 4 PM Mkt	31.55	40.78	41.27	38.24	28.49	28.75	38.24	42.4	42.77	42.42	42.55	29.86	29.19	41.27	42.77	41.2	41.22	42.49	31.67	39.38	47.69	48.99	48.92	45.97	46.3	39.38	35.54	48.26	42.95	44.45	46.06
1	2019 January	Market Pri 5 PM Mkt	35.14	41.12	42.77	38.24	29.15	28.96	41.05	42.55	44.4	42.92	42.32	37.12	29.46	41.51	43.29	42.6	41.49	42.58	31.4	39.98	48.44	50.3	49.75	46.22	46.32	44.02	39.38	48.35	44.44	43.56	46.79
1	2019 January	Market Pri 6 PM Mkt	39.98	43.12	45.01	42.4	28.35	31.57	42.77	43.56	46.94	44.68	42.86	36.68	35.42	43.56	44.81	42.77	42.65	44.43	41.73	43.54	51.6	53.13	50.29	48.43	47.74	44.18	43.72	50.64	46.37	47.81	48.81
1	2019 January	Market Pri 7 PM Mkt	43.23	43.6	43.33	42.14	28.49	32.54	43.69	45.55	48.03	46.75	41.6	39.52	33.28	45.28	46.74	44.82	42.77	45.18	42.9	45.02	54.38	57.21	52.01	50.61	49.75	44.74	47.54	51.69	48.88	50.37	52.02
1	2019 January	Market Pri 8 PM Mkt	42.87	42.77	43.44	41.27	33.51	30.64	41.78	44.99	47.67	44.62	42.65	39.98	39.98	44.09	45.29	42.61	42.88	44.49	43.15	44.89	53.78	57.68	51.65	49.14	49.04	44.72	48.45	51.59	48.85	49.89	51.92
1	2019 January	Market Pri 9 PM Mkt	39.98	42.77	42.51	41.35	28.07	29.57	41.77	42.77	44.76	44.83	42.65	31.9	32.23	44.81	45.23	42.77	42.49	44.62	41.43	44.55	52.79	55.03	50.05	48.88	48.7	44.68	48.08	49.89	48.75	48.86	51.59

1	2019 January	Market Pri 10 PM Mkt	36.27	41.15	41.62	40.4	30.17	28.86	41.55	42.77	43.86	42.78	41.53	32.88	31.57	41.61	42.88	40.24	42.49	43.24	41.19	43.15	51.49	52.35	48.75	48.66	47.92	43.81	44.23	48.5	47.19	46.42	49.89
1	2019 January	Market Pri 11 PM Mkt	32.23	32.27	32.05	30.17	28.31	30.11	30.17	35.42	39.38	42.31	32.23	34.56	29.86	32.23	39.38	29.47	32.23	42.87	39.62	42.81	46.42	45.58	43.22	39.7	42.53	39.38	43.46	41.71	39.38	42.74	44.42
1	2019 January	Market Pri Midnight k	28.49	32.54	31.85	29.43	27.56	28.01	31.95	29.46	29.86	31.57	35.84	31.28	28.49	29.58	29	29.96	35.42	39.14	30.17	39.38	44.44	43.46	38.93	31.15	36.12	36.26	39.88	35.42	31.08	34.34	43.46
1	2019 February	Market Pri 1 AM Mkt	31.05	29.41	29.11	30.56	30.64	29.84	29.84	30.44	29.84	27.66	28.01	28.46	28.05	30.02	33.2	30.76	27.61	27.84	28.05	27.42	29.4	31.35	30.62	28.41	27.93	28.46	28.63	29.42			
1	2019 February	Market Pri 2 AM Mkt	30.71	28.83	28.34	30.14	28.98	29.4	28.43	29.72	29.62	27.51	28.03	26.66	27.9	28.35	33.25	30.03	27.08	27.82	27.54	26.47	28.05	30.65	30.14	27.97	27.84	27.63	27.93	28.05			
1	2019 February	Market Pri 3 AM Mkt	29.84	28.83	28.4	30.66	28.64	29.84	28.83	28.83	29.03	27.94	27.94	26.27	27.82	29.25	31.24	29.43	26.88	27.32	26.55	27.54	28.83	29.87	29.84	27.68	27.72	26.66	27.94	28.46			
1	2019 February	Market Pri 4 AM Mkt	30.76	28.65	27.95	31.17	28.83	30.03	28.46	29.4	29.06	27.08	28	26.53	27.73	29.43	31.45	29.55	27.21	27.79	26.58	27.89	28.46	30.35	29.72	27.57	27.87	26.5	28.6	28.46			
1	2019 February	Market Pri 5 AM Mkt	31.2	28.83	28.17	31.72	29.87	31.66	29.03	30.64	29.54	27.99	28.05	26.52	28.46	29.15	32.78	29.55	27.54	26.89	26.64	28.22	28.7	31.05	30.55	27.9	27.93	26.88	29.4	28.69			
1	2019 February	Market Pri 6 AM Mkt	35.39	28.83	28.12	30.83	28.83	30.62	29.44	35.07	30.14	28.13	28.97	27.94	30.14	34.01	31.95	30.14	27.84	29.4	27.91	29.43	31.2	30.14	31.2	27.94	28.98	27.54	31.67	30.87			
1	2019 February	Market Pri 7 AM Mkt	45.44	29.43	28.83	39.18	36.96	40.74	38.17	38.17	31.71	28.83	35.98	28.54	33.85	39.45	40.43	31.25	28.43	35.89	28.75	30.68	36.96	40.67	30.04	28.02	29.01	30.14	37.61	36.75			
1	2019 February	Market Pri 8 AM Mkt	47.81	30.14	28.46	41.36	40.8	43.34	40.26	40.34	34.44	29.24	36.75	30.56	39.06	40.43	43.16	33.19	28.88	36.96	30.17	36.96	40.26	40.52	35.01	28.05	34.19	33.85	40.46	39.52			
1	2019 February	Market Pri 9 AM Mkt	47.6	34.9	31.74	41.85	40.47	41.93	40.36	40.1	35.7	30.14	36.96	32.08	40.1	40.83	40.85	33.54	29.43	36.96	33.85	36.96	40.44	40.43	31.2	29.84	36.96	36.36	40.28	41.74			
1	2019 February	Market Pri 10 AM Mkt	47.09	35.15	33.18	42.05	40.4	41.72	40.56	42.26	34.95	30.63	36.75	33.85	39.21	42.05	40.8	29.42	30.14	40.43	30.56	38.83	40.77	41.74	30.89	30.65	36.96	36.75	38.05	41.81			
1	2019 February	Market Pri 11 AM Mkt	45.6	38.23	30.09	41.81	38.12	41.48	40.42	37.79	35.68	30.68	40.11	36.96	40.1	41.87	40.43	30.59	30.89	40.26	30.56	40.08	40.2	40.78	31.95	30.64	36.96	34.19	37.36	41.74			
1	2019 February	Market Pri Noon Mkt	43.42	35.39	28.83	41.2	40.48	40.8	40.26	36.91	28.95	29.4	40.16	36.75	40.44	40.77	39.92	29.65	29.09	41.65	30.56	40	41.55	41.56	31.54	29.77	39.98	36.96	34.08	39.84			
1	2019 February	Market Pri 1 PM Mkt	41.8	31.54	28.46	40.43	36.96	40.73	40.17	36.86	30.8	28.34	33.55	36.75	40	41.27	39.22	31.24	28.71	36.96	30.57	38.19	40.5	36.96	29.61	29.42	36.96	36.83	36.96	40.42			
1	2019 February	Market Pri 2 PM Mkt	40.62	30.14	27.92	40.36	35.07	40.46	40.93	33.79	28.83	27.05	33.85	38.17	40.42	40.61	36.96	28.7	28.04	39.18	30.56	38.17	39.96	40.47	28.83	28.83	36.75	36.75	38.17	39.32			
1	2019 February	Market Pri 3 PM Mkt	40.26	32.71	27.94	40.26	36.75	40.43	36.96	28.37	28.46	26.99	38.09	33.85	40.1	40.48	36.76	28.62	28.05	36.92	29.42	36.96	39.95	39.83	28.75	28.53	36.96	36.75	36.75	39.28			
1	2019 February	Market Pri 4 PM Mkt	38.17	30.89	29.31	39.15	33.85	39.98	36.93	29.54	28.06	27.54	37.96	36.99	40.1	40.26	33.37	27.99	28.13	36.93	29.84	36.75	39.18	33.85	31.64	29.2	36.96	30.64	38.17	40.26			
1	2019 February	Market Pri 5 PM Mkt	39.18	31.51	29.54	39.93	36.17	40.43	40.33	28.83	28.43	27.31	37.26	33.85	40.44	40.24	31.57	28	28.22	36.75	30.56	37.9	38.17	30.56	30.74	28.83	36.75	33.85	35.08	39.37			
1	2019 February	Market Pri 6 PM Mkt	41.78	31.53	28.83	40.36	32.19	41.93	41.57	31.33	28.62	28.83	38.65	37.91	40.81	42.05	35.89	29.42	29.44	36.96	33.85	38.26	41.81	39.54	28.83	29.55	36.74	36.96	39.26	41.66			
1	2019 February	Market Pri 7 PM Mkt	41.9	35.58	31.54	42.83	41.74	43.29	42.1	36.19	28.75	30.62	39.06	36.96	41.74	43.72	36.96	28.75	29.84	36.96	36.96	41.3	42.8	40.74	31.38	29.43	37.31	33.84	41.85	41.84			
1	2019 February	Market Pri 8 PM Mkt	41.74	35.39	31.88	42.46	41.88	43.56	42.06	35.24	28.96	30.45	39.98	36.96	41.74	41.54	40.61	29.02	28.94	39.83	37.27	41.74	41.74	41.78	30.01	29.15	40.1	40.26	41.78	41.74			
1	2019 February	Market Pri 9 PM Mkt	42.13	31.95	31.54	40.56	41.74	41.83	39.69	33.85	33.32	30.62	36.75	34.66	41	42.07	38.73	28.83	28.89	39.18	36.96	40.83	40.58	40.55	29.3	29.43	39.95	40.03	40.81	41.94			
1	2019 February	Market Pri 10 PM Mkt	40.79	31.04	30.14	40.26	39.19	40.97	39.2	30.17	31.17	30.8	36.74	33.85	40.54	41.58	36.36	31.6	28.74	33.85	30.17	40.01	40.81	40.45	29.25	28.5	36.96	38.81	38.9	39.95			
1	2019 February	Market Pri 11 PM Mkt	35.39	29.4	29.84	34.84	31.95	35.31	37.47	32.56	30.14	29.29	32.96	32.58	38.63	38.63	30.37	29.55	29.55	31.2	30.04	31.4	34.29	30.89	28.46	28.89	28.87	33.17	31.54	31.95			
1	2019 February	Market Pri Midnight k	30.75	28.7	31.06	29.55	32.84	29.55	31.59	30.25	28.13	28.74	29.87	29.4	32.83	34.55	31.14	28.05	28.46	29	28.42	30.68	34.6	31.95	28.83	28.83	30.14	29.43	31.14	33.31			
1	2019 March	Market Pri 1 AM Mkt	27.94	27.75	30.12	29.08	28.9	32.44	34.85	29.82	28.45	29.01	26.74	27.32	28.97	32.65	29.49	29.82	29.39	29.32	28.45	29.41	31.59	29.39	28.82	29.65	27.92	27.71	28.82	29.54	27.4	27.85	29.41
1	2019 March	Market Pri 2 AM Mkt	28.03	27.53	29.17	27.91	28.76	31.61	31.48	30.42	27.92	28.21	26.27	26.6	30.66	30.99	29.54	29.84	28.82	28.69	28.42	28.45	29.54	27.17	28.51	29.18	27.64	27.2	28.21	27.93	27.05	27.82	28.44
1	2019 March	Market Pri 3 AM Mkt	28.45	27.35	29.15	27.66	28.21	31.37	31.71	31.69	27.72	28.25	26.28	26.94	30.75	30.99	29.54	29.31	28.45	27.09	27.99	28.96	29.52	29.82	28.21	28.03	27.53	26.88	27.73	27.83	27.53	26.93	27.81
1	2019 March	Market Pri 4 AM Mkt	28.38	27.08	29.02	28.06	29.14	31.62	32.49	31.15	27.74	27.92	26.45	27.41	31.25	30.77	29.6	28.72	28.82	28.82	28.45	28.7	29.27	30.2	27.95	28.21	27.92	27.38	27.72	27.82	27.59	26.77	27.46
1	2019 March	Market Pri 5 AM Mkt	29.01	27.53	29.98	29.42	29.54	33.69	32.87	31.45	27.93	28.73	27.71	27.73	32.26	29.43	29.82	29.01	28.45	30.12	29.54	29.64	30.66	30.8	28.21	28.72	28.45	27.82	28.45	28.4	27.53	26.64	27.56
1	2019 March	Market Pri 6 AM Mkt	28.59	27.91	33.01	33.42	33.38	36.67	35.37	32.92	28.65	29.15	29.54	30.2	34.12	33.01	33.06	29.54	28.67	36.34	31.27	33.41	33.69	31.68	26.86	28.82	31.66	29.54	30.27	30.75	28.73	27.08	27.92
1	2019 March	Market Pri 7 AM Mkt	29.51	28.45	35	33.84	39.35	44.32	44.72	42.68	29.54	29.77	30.94	35.64	43.98	43.32	35.55	29.39	29.54	39.09	36.34	35.55	35.03	35.55	27.91	29.53	35.79	33.84	34.44	33.55	31.07	28.32	28.82
1	2019 March	Market Pri 8 AM Mkt	33.26	29.62	36.5	40.38	39.86	46.02	45.64	44.61	30.76	31.38	35.55	39.62	45.41	44	40.46	31.53	32.38	40.59	38.92	38.86	36.88	39.31	31.19	30.71	39.02	36.14	36.3	36.31	35.58	26.15	29.93
1	2019 March	Market Pri 9 AM Mkt	31.47	31.84	37.95	40.53	39.92	45.38	43.97	41.02	34.17	32.5	35.01	38.58	44.18	40.45	39.69	35.81	34.14	39.25	38.7	39.21	36.35	39.58	34.66	30.6	38.56	36.22	39.06	36.04	31.33	32.45	31.49
1	2019 March	Market Pri 10 AM Mkt	33.42	31.52	37.95	40.38	39.74	42.64	40.79	40.38	29.43	32.91	36.3	39.23	42.73	41.1	40.38	36.27	34.57	39.6	34.31	39.27	37.21	38.59	34.76	34.54	39.14	36.31	39.08	36.81	31.99	32.25	33.56
1	2019 March	Market Pri 11 AM Mkt	35.55	28.57	39.94	40.38	40.3	42.18	40.36	39	30.6	32.45	38.39	39.81	40.81	39.34	39.81	36.29	34.15	38.85	37.25	39.23	35.32	38.46	34.58	33.49	38.81	38.17	39.62	35.55	35.56	33.38	33.31
1	2019 March	Market Pri Noon Mkt	34.78	31.39	37.95	40.16	40.47	42.83	40.82	36.63	33.99	31.63	37.69	39.37	41	39.31	39.34	36.12	34.11	39.12	39.01	39.31	35.1	36.3	34.36	32.74	38.02	36.7	39.31	36.3	35.69	33.48	28.45
1	2019 March	Market Pri 1 PM Mkt	35.72	31.73	34.35	39.71	40.34	39.29	38.67	36.3	31.74	30.12	36.3	38.68	39.53	39.53	39.74	35.05	32.94	38.31	36.3	39.36	36.3	33.84	33.17	32.74	36.3	38.17	39.11	35.55	30.47	30.87	29.73
1	2019 March	Market Pri 2 PM Mkt	33.84	30.81	37.17	40.4	39.7	39.24	38.31	37.99	32.53	29.15	36.3	40.38	39.29	39.31	39.81	33.65	33.74	35.74	36.3	37.97	35.63	30.38	33.46	30.44	36.3	35.42	39.33	35.55	30.63	31.33	27.68
1	2019 March	Market Pri 3 PM Mkt	32.85	30.8	37.95	40.58	39.23	39.56	39.56	35.98	30.76	29.28	33.84	40.38	39.64	39.41	39.56	33.48	33.07	36.11	36.3	38.19	33.84	37.01	33.79	30.2	34.29	36.3	39.31	33.84	30.28	31.17	29.04
1	2019 March	Market Pri 4 PM Mkt	31.59	31.63	37.16	39.1	39.57	39.26	36.73	37.31	31.33	29.17	34.18	39.64	38.31	39.28	38.17	33.61	32.89	36.3	35.56	33.52	36.3	35.55	31.99	30.12	33.84	36.3	36.68	35.55	35.67	32.62	29.18
1	2019 March	Market Pri 5 PM Mkt	31.5	31.48	37.16	40.38	39.67	39.62	38.13	36.09	31.42	29.18	38	38.75	40.21	39.54	39.09	34.1	33.02	33.84	35.55	35.55	36.3	35.55	32.67	31.21	33.29	38.06	38.86	35.55	35.58	31.74	28.99
1	2019 March	Market Pri 6 PM Mkt	33.44	34.56	41.63	40.59	40.81	39.84	39.14	36.3	32.99	29.01	37.18	40.67	40.2	40.38	38.67	34.87	33.62	37.75	33.84	36.3	36.3	29.29	34.85	30.73	36.38	35.31	40.38	36.3	29.29	31.12	27.53
1	2019 March	Market Pri 7 PM Mkt	35.35	35.37	41.34	45.65	43.75	44.52	42.69	39.73	32.41	30.72	38.31	44.41	43.69	40.78	39.57	31.91	37.27	38.16	38.72	39.17	37.71	33.81	38.55	34.01	39.19	38.99	40.04	33.58	29.89	35.31	29.39
1	2019 March	Market Pri 8 PM Mkt	35.09	32.48	42.77	45.65	46.01	46.75	44.47	39.35	31.87	34.52	39.59	46.47	44.91	41.91	39.19	38.76	36.28	39.28	39.08	39.31	39.1	36.3	37.26	31.42	39.23	39.25	40.91	37.14	30.16	37.95	31.64
1	2019 March	Market Pri 9 PM Mkt	33.71	32	41.65	41.97	42.2	45.51	40.62	36.29	36.12	33.05	39.42	45.77	43.91	41.13	39.06	37.95	33.02	39.72	39.33	39.31	38.91	33.84	36.91	36.84	40.38	38.71	40.38	36.3	28.82	37.95	31.91
1	2019 March	Market Pri 10 PM Mkt	30.3	35.37	39.38	39.34	40.62	41.93	40.38	36.3	31.92	31.36	38.34	40.48	40.38	40.38	39.02	37.23	37.15	39.31	38.31	37.89	38.18	36.3	36.36	33.99	38.38	36.3	39.24	33.74	28.89	35.37	31.29
1	2019 March	Market Pri 11 PM Mkt	32.48	34.16	37.16	34.34	37.17	37.16	36.24	34.95	31.93	29.82	35.1	36.38	36.97	34.97	37.6	32.91	34.18	31.9	36.87	37.05	36.24	35.33	32.64	31.65	36.32	36.48	37.04	34.11	32.07	31.91	30.02
1	2019 March	Market Pri Midnight k	28.82	31.9	37.06	35.09	32.63	33.49	32.74	30.76	30.29	28.45	30.12	31.42	30.59	31.47	31.73	30.73	30.2	32.43	31.21	32.48	31.22	30.6	30.73	29.82	30.2	29.93	31.23	28.82	29.01	30.77	29.53
1	2019 April	Market Pri 1 AM Mkt	28.81	29.82	28.33	28.62	29.38	29.32	29.53	28.96	29.38	28.81	28.95	29.35	28.74	28.34	27.7	29.22	28.9	29.38	29.29	28.75	28.44	27.77	29.05	28.81	28.81	29.69	29.14	29.38	28.44	29.19	
1	2019 April	Market Pri 2 AM Mkt	29.41	28.44	27.92	28.44	28.58	28.44	29.53	28.86	28.44	28.02	28.02	28.82	27.52	28.2	27.61	28.29	28.36	29.08	27.89	27.7	27.83	27.52	28.02	28.41	28.62	28.44	27.92	29.22	28.44	27.52	
1	2019 April	Market Pri 3 AM Mkt	29.38	28.44	28.15	27.68	29.02	28.6	29.53	27.83	27.52	28.44	27.52	28.88	27.41	27.92	27.32	27.78	28.61	27.72	29.01	27.92	27.63	26.9	27.3	27.71	27.52	29.01	27.92	28.65	27.94	27.71	
1	2019 April	Market Pri 4 AM Mkt	29.23	28.42	27.77	28.68	28.02	28.02	28.44	28.44	27.54	27.79	28.2	27.68	26.85	27.04	27.73	27.04	27.75	29.11	27.52	27.4	27.2	27.81	27.03	27.6	27.82	27.37	26.98	28.04	28.44	26.85	
1	2019 April	Market Pri 5 AM Mkt	29.09	29.53	27.77	28.31	28.68	28.52	29.53	28.41	27.77	27.14	27.78	28.2	27.3	27.31	26.93	27.52	28.02	28.51	28.44	28.01	28.11	27.52	27.92	26.71	27.52	27.82	26.93	28.58	28.02	27.71	
1	2019 April	Market Pri 6 AM Mkt	30.95	32.17	28.81	29.82	29.23	28.44	29.4	30.12	29.38	28.84	28.84	28.42	26.79	26.44	28.84	28.49	28.69	30.74	29.13	27.26	26.53	28.44	27.93	27.82	28.81	28.92	26.68	28.17	30.56	28.64	
1	2019 April	Market Pri 7 AM Mkt	34.76	38.52	33.83	33.83	33.83	30.12	29.53	34.53	34.29	31.21	34.2	34.42	28.5	26.85	30.42	34.27	32.53	34.29	33.56	29.03	27.39	32.49	33.51	30.26	34.35	32.81	28.44	28.62	34.59	34.29	
1	2019 April	Market Pri 8 AM Mkt	37.41	39.19	37.36	37.78	38.14	32.8	29.09	38.19	39.1	34.29	37.54	37.58	29.2	26.98	34.46	37.61	36.8	38.58	37.92	29.82	27.12	34.51	37.38	34.72	37.92	37.56	29.33	29.06	37.92	37.66	
1	2019 April	Market Pri 9 AM Mkt	39.14	38.76	37.73	37.97	38.97	37.18	29.45	39.98	39.04	37.79	37.78	38.24	34.26	27.52	37.38	39.16	39.12	38.47	38.9	34.32	28.43	37.75	38.56	38.86	38.64	38.97	34.28	30.79	38.78	38.47	
1	2019 April	Market Pri 10 AM Mkt	39.48	38.97	38.61	38.97	38.95	38.42	30.98	37.63	38.79	38.68	38.73	38.3	32.05	28.5	37.33	38.97	38.97	38.9	38.84	31.91	28.62	37.56	38.75	38.97	38.62	38.15	36.52	32.5	38.33	38.89	
1	2019 April	Market Pri 11 AM Mkt	40.91	38.97	37.79	37.79	38.9	36.37	31.61	39.09	38.76	38.06	38.19	37.88	33.05	29.53	38.13	38.97	38.55	38.86	38.67	34.23	29.82	38.68	39.12	38.99	38.87	39.06	36.07	34.36	38.9	38.82	
1	2019 April	Market Pri Noon Mkt	42.77	38.97	38.97	38.97	38.3	36.25	28.32	39.14	39.05	38.84	38.97	38.45	31.06	29.13	39.02	39.13	38.62	39.02	38.46	32	28.96	39.22	39.53	39.34	39.12	39	35.69	32.54	40.04	39.01	
1	2019 April	Market Pri 1 PM Mkt	42.55	38.78	38.15	38.92	38.64	34.4	29.54	38.95	38.97	38.99	36.77	37.71	30.77	30.73	39.34	38.97	38.97	38.8	37.87	31.56	31.12	39.48	40.3	40.95	39.05	39.12	34.22	34.33	39.22	39	
1	2019 April	Market Pri 2 PM Mkt	43.04	39.09	38.93	38.97	38.82	35.28	28.95	38.85	38.97	38.97	38.98	38.44	29.82	28.19	38.97	39.06	38.27	38.64	38.58	30.73	29.63	39.8	40.58	40.88	39.2	39.04	34.3	33.12	39.01	38.97	
1	2019 April	Market Pri 3 PM Mkt	38.97	37.88	37.71	37.76	38.41	31.9	29.53	37.79	38.44	38.97	38.97	38.2	29.47	31.61	39.03	38.78	38.25	38.83	38.64	30.12	31.61	38.15	40.94	39.41	39	38.99	32.89	34.88	37.79	38.3	
1	2019 April	Market Pri 4 PM Mkt	39.03	37.56	37.8	37.79	37.79	35.37	30.12	37.78	38.47	38.97	38.38	37.62	30.83	31.32	39.05	38.97	38.18	38.64	37.63	31.4	31.32	39.06	40.4	40.9	39.25	38.28	34.53	32.76	37.41	38.02	
1	2019 April	Market Pri 5 PM Mkt	38.85	36.46	37.56	38.97	37.79	36.31	29.41	37.56	38.38	38.32	38.12	36.94	33.51	31.36	38.61	38.6	37.9	37.79	37.54	32.67	30.87	39.19	39.74	40.1	38.93	38.97	34.25	32.5	36.8	37.79	
1	2019 April	Market Pri 6 PM Mkt	38.97	35.9	37.79	37.79	38.5	36.68	28.81	37.5	38.1	38.97	37.6	36.68	33.66	12.74	38.97	38.33	37.64	37.78	37.22	32.78	31.89	39.12	39.22	38.69	39.13	38.85	34.19	34.42	37.38	37.61	
1	2019 April	Market Pri 7 PM Mkt	39.16	37.71	38.97	38.88	38.96	35.37	28.44	37.16	37.56	37.51	37.77	35.07	30.58	30.6	38.84	37.84	36.22	37.51	36.87	31.38	30.81	39.06	39.1	38.77	38.54	37.79	34.37	32.61	36.87	37.26	
1	2019 April	Market Pri 8 PM Mkt	42.67	39.02	38.31	38.97	39.12	37.54	29.41	37.26	38.15	37.75	38.58	34.28	35.3	31.61	39.01	38.95	35.9	37.79	34.48	33.22	30.96	39.12	39.17	38.42	39	37.77	35.97	34.11	35.9	37.56	
1	2019 April	Market Pri 9 PM Mkt	41.27	38.92	38.97	39.21	39.2	36.22	29.53	39.07	38.78	38.23	38.97	37.63	35.04	32	40.55	38.91	37.94	38.27	37.17	33.9	32.61	39.17	39.74	39.19	39.17	38.97	36.53	34.57	38.33	38.15	
1	2019 April	Market Pri 10 PM Mkt	38.97	37.76	37.56	37.56	37.69	36.22	30.12	38.87	38.76	38.64	38.97	36.87	34.64	31.87	38.99	38.68	38.31	38.97	36.97	34.44	31.61	39.33	39.22	38.8	39.2	37.76	36.74	35.04	38.64	38.5	
1	2019 April	Market Pri 11 PM Mkt	37.88	34.94	31.61	37.87	36.06	36.06	30.79	38.04	36.59	35.96	37.54	35.87	31.06	32.53	37.38	34.83	36.35	37.23	31.61	31.61	29.47	38.86	38.31	35.37	37.63	37.39	33.82	33.79	35.97	35.85	
1	2019 April	Market Pri Midnight k	32.18	28.65	29.53	30.87	31.53	31.63	29.82	32.65	29.82	29.82	30.49	29.68	29.05	28.99	31.36	29.82	30.65	30.16	29.5	29.08	28.68	30.99	30.62	31.91	31.45	30.44	31.74	30.6	31.48	29.61	
1	2019 May	Market Pri 1 AM Mkt	29.67	29.76	29.38	29.78	28	28.9	29.46	29.88	29.2	28.56	28.72	27.37	28.56	28.79	30.86	30.43	29.57	29.97	26.92	27.93	28.05	28.73	29.76	29.72	29.97	28.07	28.53	29.18	29.51	29.46	28.6
1	2019 May	Market Pri 2 AM Mkt	29.07	28.56	27.84	28.82	27.55	27.91	28.56	28.56	28.24	28.11	27.98	26.75	27.37	27.91	29.41	29.31	28.2	28.75	26.7	27.15	28.03	28.14	29.05	28.31	28.03	26.98	27.86	28.56	28.7	28.24	27.98
1	2019 May	Market Pri 3 AM Mkt	28.2	28.24	27.67	28.24	27.56	27.71	28.24	28.56	27.98	27.23	27.8	26.78	27.1	27.84	27.98	28.09	27.89	28.02	26.49	26.82	27.06	27.67	27.84	27.67	27.67	26.57	27.55	27.98	28.11	27.82	26.94
1	2019 May	Market Pri 4 AM Mkt	27.95	28	27.67	27.67	27.68	27.98	28.15	28.24	27.67	26.92	27.34	26.81	27.1	26.76	28.11	27.98	27.06	27.67	26.56	26.68	26.8	26.99	27.08	27.51	27.54	26.72	27.17	27.27	27.39	26.92	26.57
1	2019 May	Market Pri 5 AM Mkt	28.03	28.24	27.98	28.13	28.15	28.18	28.2	28.56	27.84	27.06	27.72	27.02	27.12	26.8	27.67	27.67	26.94	27.91	26.76	26.63	26.8	27.12	27.67	26.95	27.67	26.96	27.87	27.06	27.28	26.92	26.68
1	2019 May	Market Pri 6 AM Mkt	29.58	29.8	28.6	28.49	27.84	29.74	30.65	30.68	28.57	28.34	27.98	27.06	28.13	28.19	28.56	28.53	28.32	27.96	26.71	27.86	28.24	27.94	28.14	28.12	27.87	26.75	28.53	28.22	28.15	27.98	27.13
1	2019 May	Market Pri 7 AM Mkt	34.99	35.73	34.07	29.45	27.93	35.73	37.58	36.4	34.81	32.96	28.06	27.05	31.12	32.69	33.05	31.65	32.2	28.09	26.8	29.33	31.48	29.58	29.59	29.49	28.11	26.89	30.94	30.68	29.26	28.84	28.47
1	2019 May	Market Pri 8 AM Mkt	37.22	37.5	35.66	29.6	28.57	37.08	40.31	37.58	36.72	37.58	28.34	27.13	35.73	37.58	35.73	36.29	37.32	28.33	26.96	34.6	36.29	34.7	36.65	35.73	28.56	27.1	35.23	36.29	34.5	34.1	32.67
1	2019 May	Market Pri 9 AM Mkt	36.79	37.67	37.58	30.46	29.27	37.58	37.83	38.14	37.6	37.24	29.54	27.98	37.58	37.58	37.68	37.62	37.34	29.76	27.84	35.71	35.88	36.29	37.58	36.69	29.58	28.18	36.08	36.29	36.5	36.65	35.73
1	2019 May	Market Pri 10 AM Mkt	37.58	37.58	37.58	33.36	30.33	37.65	37.67	37.67	37.58	37.6	32.17	29.61	37.54	37.67	37.64	37.67	37.67	32.58	28.76	37.03	36.33	37.58	37.58	37.54	33.1	29.88	38.13	37.58	36.35	37.37	36.29
1	2019 May	Market Pri 11 AM Mkt	38.58	37.65	37.65	34.68	30.94	37.68	37.85	37.58	37.74	37.58	32.52	30.43	37.98	38.8	39.35	37.64	38.16	34.58	29.76	35.73	37.21	37.63	37.58	37.58	34.61	31.07	39.28	37.67	37.59	37.67	37.58
1	2019 May	Market Pri Noon Mkt	37.58	37.67	37.67	33.5	29.99	37.65	37.64	36.87	37.58	37.58	30.94	29.58	38.44	41.59	41.36	37.72	38.09	34.36	29.58	36.36	37.63	37.58	38.09	37.67	34.62	31.59	39.52	37.67	37.65	37.66	37.67
1	2019 May	Market Pri 1 PM Mkt	37.54	37.58	38.44	33.29	29.73	37.58	37.58	36.69	37.58	37.5	32.58	30.43	39.14	42.56	42.7	38.15	38.33	34.79	29.57	36.49	37.63	36.15	38.33	37.98	35.31	30.92	39.71	37.65	37.58	37.65	37.74
1	2019 May	Market Pri 2 PM Mkt	34.1	37.58	37.61	33.29	29.58	37.58	37.58	36.36	37.58	37.87	33.87	29.98	39.81	42.89	42.73	39.22	39.45	34.8	29.58	37.58	37.67	37.67	39.42	37.67	36.78	33.05	39.87	38.77	36.29	38.09	37.78
1	2019 May	Market Pri 3 PM Mkt	37.58	37.74	37.6	31.78	29.55	37.67	37.67	36.69	37.72	37.67	32.93	30.48	40.23	44.06	43.44	38.98	39.32	35.57	29.64	36.99	37.63	37.98	41.15	37.63	34.9	33.25	40.67	38.69	37.67	37.91	41.54
1	2019 May	Market Pri 4 PM Mkt	36.29	37.58	36.69	30.94	29.18	37.6	37.58	36.14	37.65	37.53	32.9	30.42	37.9	41.85	44.48	41.51	39.42	34.38	29.56	37.43	36.5	38.09	40.72	37.71	35.92	31.81	40.52	38.69	37.67	38.15	40.31
1	2019 May	Market Pri 5 PM Mkt	36.4	37.23	35.73	31.97	29.31	37.58	37.65	35.63	36.85	37.28	33.28	30.72	40.75	44.37	45.66	38.94	39.35	34.48	30.01	37.72	37.94	38.24	40.33	37.67	36.13	31.71	40.52	38.89	37.47	38.09	38.46
1	2019 May	Market Pri 6 PM Mkt	35.73	36.38	35.73	30.59	29.32	37.54	37.58	35.47	36.32	36.29	31.83	30.72	38.59	42.36	45.24	38.91	38.42	33.05	30.1	35.73	37.95	38.31	39.85	37.58	34.84	35.2	40.2	38.21	36.67	38.25	37.67
1	2019 May	Market Pri 7 PM Mkt	36.21	37.12	36.37	30.33	29.37	37.22	36.31	35.73	36.11	35.4	31.27	30.64	39.13	40.3	43.93	38.56	37.93	31.78	29.63	37.39	37.82	38.32	38.9	36.29	34.2	33.75	37.97	37.58	34.9	37.32	37.58
1	2019 May	Market Pri 8 PM Mkt	36.29	37.58	35.73	30.91	30.33	37.58	36.57	35.36	37.4	34.99	30.83	31.49	38.25	39.36	42.55	38.16	37.9	34.26	30.24	35.98	35.73	37.8	38.61	35.84	34.45	32.56	39.28	37.58	36.53	36.52	36.48
1	2019 May	Market Pri 9 PM Mkt	37.67	39.1	37.41	34.13	32.83	37.67	37.58	37.53	37.67	36.29	34.61	33.05	37.94	39.45	44.35	38.43	38.01	33.65	30.58	37.25	35.73	37.67	38.33	36.02	35.31	35.11	39.28	30.24	37.43	37.6	35.74
1	2019 May	Market Pri 10 PM Mkt	37.63	38.1	37.18	34.2	34.53	37.67	37.58	36.71	37.65	36.71	34.02	35.37	38.87	41.45	43.12	38.91	38	34.41	33.12	36.21	35.85	38.2	38.11	36.65	35.65	35.65	39.35	37.58	37.63	37.67	36.68
1	2019 May	Market Pri 11 PM Mkt	36.31	35.65	35.57	30.94	31.74	35.04	35.91	34.51	36.41	35.57	30.56	32.82	36.77	39.62	37.36	37.12	35.65	30.81	30.94	33.24	34.74	36.03	36.95	35.63	32.6	34.95	36.73	35.82	35.69	36.37	34.62
1	2019 May	Market Pri Midnight k	30.94	32.84	30.94	29.31	29.95	31.16	31.82	30.6	30.68	30.94	28.97	29.75	30.74	35.37	33.9	33.88	12.72	29.01	29.03	29.03	30.31	30.81	34.24	33.1	30.25	30.84	33.28	30.94	30.94	31.74	30.1
1	2019 June	Market Pri 1 AM Mkt	23.5	23.07	22.88	23.07	23.83	23.85	24.59	23.99	24.97	25.99	28.19	30.55	29.5	33.49	29.52	27	27.26	30.33	27.23	25.28	25.38	23.12	24.03	24.2	25.42	27.22	27.11	32.47	31.74	29.88	
1	2019 June	Market Pri 2 AM Mkt	22.95	22.14	21.67	22.35	23.12	23.27	23.3	23.27	23.83	25.23	25.78	26.84	27.06	28.57	26.44	25.3	25.61	27.21	24.9	25.24	24.55	23.77	23.5	23.5	24.15	25.27	25.69	27.41	27.42	26.61	
1	2019 June	Market Pri 3 AM Mkt	22.25	21.32	20.72	21.54	22.98	22.98	23.07	22.97	23.41	24.71	25.07	25.57	25.78	26.21	25.27	24.45	25.07	25.97	25.27	24.88	23.83	23.21	22.98	23	23.58	24.85	24.97	25.77	26.15	25.47	
1	2019 June	Market Pri 4 AM Mkt	21.23	20.88	20.39	21.51	22.48	22.72	22.84	22.46	22.98	24.34	24.97	25.11	25.26	25.27	24.97	24.18	24.82	25.66	24.97	24.18	23.77	22.98	22.85	23.07	23.27	24.51	24	25.36	25.17	24.83	
1	2019 June	Market Pri 5 AM Mkt	21.4	20.68	20.35	22.16	22.58	22.98	22.97	22.72	22.69	24.24	24.76	24.82	25.25	25.27	24.97	23.96	24.97	25.56	24.86	24.33	23.77	23.06	22.22	23.21	23.5	24.2	24.23	25.06	25.08	24.32	
1	2019 June	Market Pri 6 AM Mkt	21.4	20.93	20.32	23.3	23.12	23.65	23.8	22.75	22.72	24.97	25.23	25.23	26.37	26.27	24.97	23.89	25.32	26.18	25.18	24.87	23.98	23.06	22.25	23.77	23.95	24.72	25.13	25.27	25.1	24.31	
1	2019 June	Market Pri 7 AM Mkt	22.05	20.67	21.25	24.13	24.14	24.85	24.64	23.07	22.72	27.01	28.9	28.52	30.57	31.25	25.01	23.83	28.28	28.29	26.36	26.17	25.37	23.5	22.31	24.45	25.22	27.02	28.29	29.59	25.41	24.21	
1	2019 June	Market Pri 8 AM Mkt	23.3	22.46	22.07	25.25	26.24	27.68	28.47	24.55	23.77	34.4	34.11	36.75	38.1	38.29	26.25	24.77	36.35	36.4	31.59	29.59	28.29	23.83	23.3	27.98	28.17	31.67	34.11	36.77	26.66	25.11	
1	2019 June	Market Pri 9 AM Mkt	23.98	23.55	22.73	27.98	28.47	31.67	33.29	25.36	24.97	38.39	38.02	38.31	40.54	38.38	30.59	25.56	40.55	40.9	37.47	34.83	30.77	24.97	23.83	32.42	35.18	36.81	38.32	40.1	32.07	26.93	
1	2019 June	Market Pri 10 AM Mkt	24.97	24.21	23.78	31.51	33.18	34.31	34.63	28.16	27	41.19	39.59	43.82	43.86	45.8	35.93	28.74	43.84	45.99	38.98	37.09	35.54	25.99	24.88	36.73	38.27	39.03	39.4	42.6	38.38	32.99	
1	2019 June	Market Pri 11 AM Mkt	25.18	24.64	24.02	34.25	34.25	35.82	36.44	30.31	30.33	45.1	44.05	46.4	48.2	49.57	38.49	31.59	47.23	50.08	40.52	38.42	37.35	28.5	26.26	38.17	39.58	41.06	42.77	47.57	40.36	36.94	
1	2019 June	Market Pri Noon Mkt	25.05	24.79	24.36	36.31	35.43	36.62	36.69	33.06	34.64	47.83	48.11	50.56	51.33	53.08	40.04	34.82	50.23	56.47	42.32	38.87	38.26	29.57	28.57	39.05	42.1	41.76	45.77	53.3	42.45	39.94	
1	2019 June	Market Pri 1 PM Mkt	25.26	24.87	24.25	36.67	36.35	36.74	37.55	33.73	38.06	50.07	52.33	55.5	55.27	56.17	40.83	38.83	53.36	62.31	43.82	38.89	38.91	29.31	25.83	40.06	44.1	45.62	49.66	58.41	44.65	42.06	
1	2019 June	Market Pri 2 PM Mkt	25.23	24.87	24.87	36.94	35.62	37.9	38.1	34.79	39.89	53.03	56.67	57.22	63.08	58.3	41.78	39.4	57.73	77.54	43.93	40.43	39.26	29.55	29.98	41.48	46.87	46.77	53.79	69.41	45.7	43.51	
1	2019 June	Market Pri 3 PM Mkt	24.97	24.97	24.89	37.15	36.79	38.15	38.09	35.63	40.3	53.74	59.48	66.58	68.25	60.01	41.46	39.42	61.57	88.18	44.8	40.56	38.94	29.31	30.55	41.67	48.25	50.28	56.22	73.97	45.99	45.76	
1	2019 June	Market Pri 4 PM Mkt	25.48	25.21	25.11	37.75	36.98	37.9	37.74	36.37	41.01	54.88	62.4	65.99	70.3	60.66	41.94	39.47	66.77	85.46	45.34	40.68	38.87	30.33	32.63	42.9	50.76	51.9	58.34	82.73	47.5	46.44	
1	2019 June	Market Pri 5 PM Mkt	25.28	23.65	25.7	36.83	36.66	37.76	37.34	38.11	40.74	54.43	64.42	66.29	71.65	59.29	41.37	39.83	70.43	66.77	44.74	40.79	38.66	30.65	32.39	43.29	51.51	53.37	62.31	85.56	47.48	47.33	
1	2019 June	Market Pri 6 PM Mkt	25.61	23.83	25.55	36.62	35.61	36.9	36.85	38	40.64	53.17	61.1	63.4	77.91	56.36	40.84	40.8	67.99	65.16	44.06	40.67	38.31	30.6	33.24	43.22	51.04	52.9	62.83	77.29	46.94	46.88	
1	2019 June	Market Pri 7 PM Mkt	25.23	25.13	25.45	35.08	34.38	36.75	36.58	36.9	40.6	51.51	56.79	58.01	66.71	51.22	40.15	40.83	62.3	57.83	41.87	39.46	37.42	29.82	33.11	42.21	47.69	48.9	60.49	68.26	46.64	46.4	
1	2019 June	Market Pri 8 PM Mkt	24.92	24.65	25.22	34.26	31.84	34.25	34.34	36.76	40.07	49.53	52.44	51.66	56.9	49.26	39.4	39.93	55.72	51.82	39.79	38.38	35.82	29.45	32.38	40.99	45.54	44.91	52.29	57.64	44.18	45.78	
1	2019 June	Market Pri 9 PM Mkt	25.18	25	25.89	34.25	32.37	35.64	33.41	35.4	39.83	47.28	50.08	50.23	51.66	46.88	38.29	40.05	51.88	48.35	39.23	37.76	34.36	29.61	30.92	39.82	43.87	41.03	48.72	53.08	43.38	44.19	
1	2019 June	Market Pri 10 PM Mkt	25.54	25.23	26.64	34.44	34.33	35.82	34.22	35.24	39.51	45.44	49.01	49.23	51.02	45.88	38.8	40.34	50.7	47.19	39.05	37.99	34.35	30.6	33.88	39.05	43.02	42.52	48.36	49.89	41.29	44.52	
1	2019 June	Market Pri 11 PM Mkt	24.97	24.87	25.23	28.2	26.88	30.34	30.1	33	38.46	40.18	41.29	41.13	42.36	40.25	36.2	37.64	40.83	37.44	33.57	35.49	29.59	28.55	30.94	35.12	39.45	37.45	41.52	41.68	40.83	41.62	
1	2019 June	Market Pri Midnight k	23.83	23.83	23.8	25.27	25.11	26.55	25.83	27.12	29.58	32.8	38.1	34.44	39.28	36.16	30.33	31.94	36.77	32.98	27.08	28.95	25.56	25.44	26.31	28.57	33.58	12.2	38.61	39.41	35.83	38.44	
1	2019 July	Market Pri 1 AM Mkt	30.62	12.94	31.59	32.98	30.13	26.01	24.22	25.17	25.74	25.84	26.04	27.44	26.25	25.83	27.12	29.84	29.77	30.02	30.95	32.51	30.95	28.91	32.89	34.15	36.08	34.88	35.26	30.61	36.62	38.49	33.14
1	2019 July	Market Pri 2 AM Mkt	26.59	28.28	28.01	28.06	27.25	23.13	22.47	23.83	24.56	25.26	23.77	24.97	24.52	24.11	25.29	26.67	27.12	26.87	27.69	28.1	26.69	30.02	28.46	30.1	30.54	31.9	30.34	27.53	33.09	33.15	30.34
1	2019 July	Market Pri 3 AM Mkt	25.82	25.14	26.59	26.64	25.41	23.8	23.04	22.98	23.8	24.88	24.34	24.11	23.53	23.4	24.73	25.38	25.69	25.83	25.91	25.75	25.93	28.04	26.46	28.19	29.27	28.8	28.15	25.96	28.57	30.34	29.16
1	2019 July	Market Pri 4 AM Mkt	25.27	25.38	25.81	25.66	25.19	23.62	22.93	22.87	23.08	24.18	24.22	23.55	23.31	23.08	23.98	24.97	25.4	25.3	25.41	25.56	25.27	26.48	25.69	25.82	28.45	26.81	26.33	25.15	27.28	28.86	27.68
1	2019 July	Market Pri 5 AM Mkt	25.45	25.83	26.31	25.59	25.27	23.31	22.36	22.61	23.06	24.18	23.96	23.5	22.99	22.79	24.21	25.2	25.27	25.46	25.52	24.73	24.74	26.63	23.94	25.92	27.39	26.78	25.27	24.56	27.4	29.35	27.54
1	2019 July	Market Pri 6 AM Mkt	26.26	25.97	26.22	26.94	25.29	23.4	21.82	22.66	23.8	24.58	24.48	23.97	23.05	22.68	25.27	25.59	25.83	25.83	25.93	25.28	24.58	28.08	26.5	26.53	28.14	27.93	25.44	24.13	30.95	31.19	28.2
1	2019 July	Market Pri 7 AM Mkt	32.19	32.23	32.33	28.93	28.25	23.39	21.82	22.39	25.28	25.85	25.48	25.58	23.08	22.66	27.78	28.81	29.6	29.67	30.84	25.5	24.22	35.14	31.59	31.35	34.5	34.65	25.85	24.13	37.92	37.77	29.56
1	2019 July	Market Pri 8 AM Mkt	37.36	36.53	37.52	35.14	30.97	23.83	23.05	23.22	27.82	28.23	28.8	28.25	23.83	23.27	31.67	34.68	35.69	36.08	35.51	26.36	25.3	38.36	36.2	36.88	38.24	37.86	27.78	25.29	39.93	39.21	35.77
1	2019 July	Market Pri 9 AM Mkt	39.8	39.66	39.66	39.03	36.09	24.97	23.83	24.71	32.01	31.93	34.57	31.67	26.38	25.11	36.09	38.19	39.43	39.27	38.83	29.8	29.04	41.12	40.11	39.26	40.98	39.93	31.41	29.33	42.67	42.9	38.64
1	2019 July	Market Pri 10 AM Mkt	44.4	43.55	42.77	41.69	39.48	26.26	25.18	27.33	36.93	35.87	37.17	37.21	30.82	29.04	39.52	40	39.79	41.7	40.84	35.59	34.45	47.78	45.75	44.24	47.65	45.33	36.44	33.85	48.43	49.5	40.17
1	2019 July	Market Pri 11 AM Mkt	51.53	49.22	47.54	43.8	42.09	27.67	26.59	33.67	38.83	38.32	39.1	39.33	34.24	31.96	41.44	45.71	44.1	46.21	43.9	37.71	37.57	55.41	50.59	50.75	55.13	52.16	38	37.73	57.29	56.54	43.15
1	2019 July	Market Pri Noon Mkt	58.77	54.35	53.25	46.39	44.26	28.57	29.53	38.47	40.81	39.57	40.53	40.67	36.01	36.09	48.9	50.1	47.68	51.78	51.43	40.41	39.97	64.29	55.62	56.87	61.55	57.34	41.27	40.56	75.2	68.03	44.35
1	2019 July	Market Pri 1 PM Mkt	69.05	57.81	58.6	48.28	46.61	29.95	32.23	39.44	42.65	41.08	42.71	41.65	37.73	37.71	54.07	52.86	50.36	56.22	56.5	40.21	42.18	76.89	62.29	63.89	69.44	65.78	42.1	42.88	90.79	91.79	44.22
1	2019 July	Market Pri 2 PM Mkt	82.63	65.13	63.35	49.28	48.29	31.49	34.84	40.63	44.74	44.36	45.5	44.17	39.09	40.11	57.78	57.01	54.32	59.95	60.46	42.58	43.04	97.26	68.21	79	93.98	86.16	42.55	43.69	144.09	114.67	45.79
1	2019 July	Market Pri 3 PM Mkt	94.49	70.56	68.5	50.56	49.02	32.87	35.26	41.26	45.79	45.14	47.76	44.61	40.14	40.5	61.38	59.31	47.07	64.12	63.94	43.11	43.83	109.74	75.62	76.18	123.35	79.67	44.18	45.26	165.92	125.86	44.99
1	2019 July	Market Pri 4 PM Mkt	95.63	71.53	70.19	49.03	48.6	33.29	35.74	42.85	47.26	46.21	48	45.84	40.29	41.06	63.51	59.84	57.72	64.9	63.35	43.19	44.62	111.06	80.31	76.17	106.06	80.23	44.73	46.44	172.02	131.21	44.37
1	2019 July	Market Pri 5 PM Mkt	94.57	71.1	70.65	49.2	49.19	35.23	36.87	43.74	47.02	47.72	47.43	45.79	41.14	41.31	65.92	59.32	58.02	64.9	63.1	43.09	44.65	108.8	79.36	99.31	100.81	87.68	45.89	47.65	163.13	114.22	44.13
1	2019 July	Market Pri 6 PM Mkt	82.18	65.92	66.53	48.18	47.66	35.74	37.73	43.37	46.47	47.2	47.46	45.46	41.08	42.15	64.41	56.91	56.14	61.67	60.09	43.28	44.99	97.15	78.12	95.33	101.93	82.54	45.31	47.39	143.49	97.82	42.81
1	2019 July	Market Pri 7 PM Mkt	71.42	59.1	66.27	47.5	44.53	35.1	37.73	41.39	44.24	45.88	44.62	42.54	40.98	41.51	58.93	54.5	53.75	58.46	56.08	42.57	43.9	88.03	70.55	86.88	93.59	67.67	44.15	46.88	107.79	86.24	40.9
1	2019 July	Market Pri 8 PM Mkt	61.72	54.67	55.32	45.14	41.37	33.9	35.67	40.28	41.86	42.96	43.02	40.99	40.03	40.83	53.64	46.42	50	55.59	49.6	41.99	43.24	67.36	62.42	72.31	77.08	63.78	42.34	45.01	89.77	68.36	39.61
1	2019 July	Market Pri 9 PM Mkt	56.35	52.02	53.68	44.06	39.41	30.52	33.61	38.31	40.63	41.37	41.14	40.32	38.45	40.29	50.52	38.15	48.64	52.46	48.43	41.05	42.8	58.9	57	63.78	65.83	58	41.44	43.77	88.92	60.15	38.75
1	2019 July	Market Pri 10 PM Mkt	51.97	50.4	51.79	43.15	34.65	29.58	33.09	37.78	39.36	40.73	40.07	39.26	37.47	39.71	47.25	47.06	47	49.53	47.1	39.93	41.83	54.33	53.06	59.48	61.5	55.11	41.29	44.1	64.67	56.81	39.33
1	2019 July	Market Pri 11 PM Mkt	41.46	41.35	41.89	41.41	35	28.19	30.95	30.1	36.15	36.37	37.1	35.99	34.42	38.74	40.36	40.37	40.14	40.28	40.29	39.08	41.65	41.46	41.29	42.87	44.66	41.79	40.06	42.98	45.89	41.61	34.34
1	2019 July	Market Pri Midnight k	37.99	37.73	38.59	36.25	29.55	25.7	27.67	27.51	29.27	30.47	31.15	30.34	30.34	33.04	35.22	35.31	36.08	36.4	36.49	34.28	37.88	37.73	37.21	39.94	40.31	37.73	36.37	40.96	41.44	40.21	29.6
1	2019 August	Market Pri 1 AM Mkt	25.65	25.32	25.67	26.09	27.99	32.3	34.4	36.86	33.16	26.42	26.02	27.19	30.29	32.71	33.13	30.6	31.09	27.8	26.39	26.01	26.15	28.78	30.66	30.07	27.24	25.71	25.32	25.22	25.71	25.85	25.8
1	2019 August	Market Pri 2 AM Mkt	23.23	25.25	24.86	25.28	25.76	27.78	29.78	32.56	28	25.31	25.25	25.99	27.06	28.26	28.27	27.7	28.27	25.8	25.29	25.66	25.28	26.24	28.58	26.94	26.05	25.28	24.97	23.11	24.54	24.98	24.73
1	2019 August	Market Pri 3 AM Mkt	24.98	24.84	24.14	24.02	25.32	26.32	26.72	28.26	25.99	24.89	24.23	25.28	25.68	26.02	26.39	25.92	26.49	25.31	25.06	25.28	24.9	25.28	25.85	25.85	23.78	25.13	24.21	23.81	23.87	24.19	23.9
1	2019 August	Market Pri 4 AM Mkt	24.47	24.35	23.84	23.78	24.43	25.57	26.04	26.65	25.46	24.56	23.84	24.82	25.3	25.28	25.57	25.53	25.79	25.17	24.88	25.25	24.62	24.99	25.47	25.17	24.98	24.83	24.09	23.78	23.57	23.91	23.78
1	2019 August	Market Pri 5 AM Mkt	24.4	24.23	24.1	23.51	24.44	25.57	25.57	26.6	25.55	24.34	23.78	24.75	25.57	25.37	25.57	25.68	25.45	24.68	25.05	25.25	24.56	24.5	25.28	24.96	24.66	24.57	24.12	22.48	23.63	23.84	23.81
1	2019 August	Market Pri 6 AM Mkt	25.12	24.81	23.84	23.51	25.41	26.5	26.2	27.68	25.63	24.34	23.78	25.31	26.22	25.85	25.88	26.07	25.39	24.79	25.31	25.57	25.25	25.48	25.85	25.05	24.73	25.16	24.98	24.34	24.23	24.8	23.78
1	2019 August	Market Pri 7 AM Mkt	25.61	25.55	23.84	23.51	27.79	30.68	34.22	36.3	29.2	24.43	23.78	28.67	31.14	32.67	31.49	30.3	25.57	24.47	28.19	28.26	27.79	28.91	31	25.42	24.53	27.34	26.91	25.76	27.61	27.62	24.62
1	2019 August	Market Pri 8 AM Mkt	28.21	28.26	24.03	24.23	32.9	36.1	36.98	38.58	34.14	24.98	24.19	33.8	36.09	36.17	36.05	35.79	25.71	25	30.04	31.74	29.56	32.16	36.24	25.99	25.21	29.33	25.08	28.06	28.48	30.94	24.93
1	2019 August	Market Pri 9 AM Mkt	32.36	32.42	25.31	25.25	37.1	40.62	41.06	40.7	39.81	25.5	25.25	37.37	39.04	40.03	38.75	39.05	28.97	25.85	34.61	35.63	35.72	37.38	39.92	30.02	25.68	32.98	32.34	30.44	34.13	35.98	25.67
1	2019 August	Market Pri 10 AM Mkt	36.19	36.18	27.83	27.24	40.44	42.85	46.52	45.71	43.85	28.58	27.81	40.26	40.95	41.79	42.69	44.49	34.34	28.26	38.75	38.75	38.75	39.64	40.85	34.84	30.48	37.2	34.8	34.95	36.24	38.69	29.91
1	2019 August	Market Pri 11 AM Mkt	38.75	38.75	31.77	32.96	44.47	51.44	55.3	52.73	47.03	32.94	33.73	45.03	46.63	49.3	47.65	51.47	40.45	29.82	41.97	40.24	40.59	40.92	44.8	39.06	34.6	40.17	38.21	38.52	38.45	40.11	33.73
1	2019 August	Market Pri Noon Mkt	40.07	40.3	34.72	34.32	51.3	59.38	67.16	63.59	49	35.51	37.38	49.69	52.42	57.39	52.74	57.11	41.44	33.15	45.56	42.36	45.44	46.55	49.06	41.96	37.56	41.22	38.75	39.49	40.04	40.42	35.37
1	2019 August	Market Pri 1 PM Mkt	41.21	42.68	35.69	37.43	58.22	69.01	87.79	76.98	52.19	38.81	37.67	56.28	57.92	61.66	60.64	69.55	44.6	29.72	48.19	43.62	49.04	51.6	53.31	43.03	40.16	44.66	39.93	40.17	41.36	42.03	37.39
1	2019 August	Market Pri 2 PM Mkt	42.28	44.85	37.92	38.87	69.26	94.08	129.91	100.64	58.11	40.29	40.38	62.05	65.79	73.25	71.56	93.55	47.39	30.66	50.57	46.63	52.43	55.24	56.7	43.33	40.51	46.09	40.44	41.56	43.3	43.17	38.02
1	2019 August	Market Pri 3 PM Mkt	44.62	46.99	40.51	40.51	82.36	114.14	153.1	108.11	59.1	41	41.33	66.58	72.6	88.75	82.99	110.31	48.66	31.27	51.19	47.26	55.8	57.42	63.71	44.61	42.01	47.75	40.92	42.35	45.88	45.47	38.56
1	2019 August	Market Pri 4 PM Mkt	45.39	47.17	40.41	41.89	97.46	147.5	147.69	103.88	58.23	41.86	41.91	68.79	81.1	96.95	89.22	102.44	48.75	40.6	53.11	47.21	57.9	58.17	68.68	47.05	41.35	48.15	41.04	41.14	47.33	46.1	38.81
1	2019 August	Market Pri 5 PM Mkt	46.38	48.07	40.36	41.89	103.85	120.71	158.38	106.01	49.06	42.77	41.99	68.48	81.34	99.44	85.62	106.52	48.76	40.71	49.62	46.7	58.98	58.17	70.72	45.88	42.84	48.22	40.93	44.75	48.1	45.97	40.56
1	2019 August	Market Pri 6 PM Mkt	46.74	46.4	40.68	42.01	97.53	116	140.79	96.56	53.72	41.96	41.83	66.7	75.27	95.12	79.55	88.59	46.78	40.58	48.84	46.38	58.42	59.12	66.26	45.28	43.08	47.45	40.19	44.48	47.12	43.7	41.4
1	2019 August	Market Pri 7 PM Mkt	43.49	43.12	40.51	42.03	81.96	96.95	127.3	84.28	49.77	41.12	41.94	61.81	65.39	75.67	68.9	72.02	45.31	40.53	47.39	44.83	55.19	55.8	58.75	43.57	40.52	45.06	39.71	42.27	42.87	41.35	38.06
1	2019 August	Market Pri 8 PM Mkt	41.11	40.17	39.59	41.49	70.48	79.75	90.53	69.19	46.82	40.36	42.21	56.76	58.12	64.32	57.62	60.97	41.27	39.53	45.45	42.08	51.56	51.56	51.64	42.09	40.98	41.55	38.75	41	41.09	40.78	37.62
1	2019 August	Market Pri 9 PM Mkt	40.37	39.48	37.6	40.76	60.8	69.25	81.24	60.61	44.99	37.55	40.51	54.84	55.39	59.18	55.48	57.11	40.95	39.19	44.8	42.68	50.41	50.89	49.32	42.01	40.51	41.49	38.82	41.11	41.45	40.93	37.82
1	2019 August	Market Pri 10 PM Mkt	39.51	38.75	37.47	40.99	56.02	59.28	67.84	55.71	42.63	37.61	40.51	50.49	49.95	55.39	52.06	53.14	40.6	37.2	42.81	40.97	46.43	46.34	47.21	41.87	40.15	40.14	38.83	40.06	40.76	39.75	36.45
1	2019 August	Market Pri 11 PM Mkt	33.1	33.23	34.63	37.69	42	42.09	44.77	43.03	35.61	34.06	37.86	40.78	41.93	42.46	41.24	41.28	37.58	30.83	37.34	30.95	34.29	40.42	41.43	39.24	33.39	34.53	30.28	35.58	34.88	35.25	31.85
1	2019 August	Market Pri Midnight k	26.52	28.17	29.75	31.85	37.61	39.56	40.51	40.76	30.11	29.78	33.06	34.55	37.71	37.9	37.22	37.39	30.01	28.15	28.57	29.34	33.87	35.49	35.68	30.96	28.28	28.07	26.6	28.58	28.65	29.56	26.89
1	2019 September	Market Pri 1 AM Mkt	27.09	28.09	28.23	28.23	28.23	27.93	27.02	25.99	26.03	26.16	28.6	29.72	28.71	29.47	28.15	28.59	29.56	30.36	29.26	28.27	28.7	26.91	27.57	29.56	29.28	31.34	29.56	27.99	26.62	27.8	
1	2019 September	Market Pri 2 AM Mkt	26.38	26.68	26.82	27.7	26.8	26.61	26.17	25.85	25.77	26.17	27.18	28.22	26.93	27.94	26.96	27.16	28	29.23	28.14	27.68	27.4	26.6	26.71	27.72	28.02	28.6	28.27	27.1	25.4	27.46	
1	2019 September	Market Pri 3 AM Mkt	25.95	26.48	26.4	27	26.4	26.15	26.28	25.67	25.59	25.86	26.61	27.04	26.4	26.92	26.27	26.53	26.86	27.66	27.15	27.15	26.95	26.59	26.68	26.95	27.4	27.72	28.1	27.01	26.6	27.15	
1	2019 September	Market Pri 4 AM Mkt	25.78	26.3	26.13	26.72	26.4	26.4	25.68	25.54	25.53	25.58	26.52	26.4	26.34	27.03	25.92	26.22	26.55	27.16	26.67	27.15	26.91	26.4	26.62	27.15	27.16	27.09	27.96	26.78	26.57	26.81	

1	2019	September	Market Pri	5 AM Mkt	25.59	26.28	26.23	26.81	26.29	26.26	25.86	25.52	25.6	25.78	26.4	26.21	26.6	26.3	26.19	26.4	26.4	27.02	26.61	26.88	26.68	26.21	26.77	27.15	27.08	26.84	28	25.86	26.4	26.89	
1	2019	September	Market Pri	6 AM Mkt	25.59	26.87	26.61	27.41	25.29	26.62	26.17	25.56	25.45	26.23	26.62	26.66	27.07	26.46	25.73	26.58	26.9	27.87	27.15	27.7	26.82	26.4	27.24	27.7	27.9	27.46	28.31	26.63	26.55	25.86	
1	2019	September	Market Pri	7 AM Mkt	25.77	28.57	28.97	30.17	28.33	28.12	26.18	25.55	24.71	27.81	30.83	30.44	30.95	26.58	25.86	30.48	30.86	33.74	28.42	30.42	27.1	26.4	30.05	30.87	32.41	32.46	33.18	27.15	26.4	31.09	
1	2019	September	Market Pri	8 AM Mkt	26.71	32.49	31.12	33.81	31.36	30.66	26.35	25.86	24.74	29.28	34.33	34.51	34.88	27.08	26.4	33.28	34.6	37.06	34.12	34.44	27.41	26.58	31.49	34.15	35.49	35.92	35.83	27.28	27.16	34.15	
1	2019	September	Market Pri	9 AM Mkt	26.88	36.08	34.78	36.06	32.54	32.51	26.6	26.4	25.36	32.94	37.06	36.63	36.65	28.77	27.15	35.47	36.95	38.38	34.87	34.82	28.13	27.21	34.38	35.62	37	36.97	39.53	28.6	28.21	35.67	
1	2019	September	Market Pri	10 AM Mkt	28.97	38.37	40.1	39.71	40.3	37.21	28.73	27.15	27	36.85	39.71	38.75	39.75	31.43	29.53	37.08	38.81	40.15	40.47	39.47	29.62	26.27	37.25	39.71	39.04	41.3	40.47	30.36	29.49	39.71	
1	2019	September	Market Pri	11 AM Mkt	32.12	41.16	39.58	41.09	40.81	39.71	30.97	29.34	28.27	36.97	40.02	40.13	41.21	36.37	34.04	40.89	40.91	41.62	41.83	40.53	32.31	29.63	39.95	38.67	39.88	41.54	41.58	34.22	30.97	40.63	
1	2019	September	Market Pri	Noon Mkt	36.08	41.93	41.23	42.57	41.63	39.79	33.17	30.88	29.75	40.31	41.15	40.67	40.92	38.65	38.32	41.11	41.68	41.61	43.35	42.31	33.94	31.42	41.2	42.35	41.18	41.43	42.41	35.63	33.71	40.66	
1	2019	September	Market Pri	1 PM Mkt	35.68	43.52	41.96	43.54	42.71	42.4	35.34	31.81	32.32	40.79	42.14	41.14	41.34	39.88	38.73	43.12	46.44	46.29	46.26	34.51	34.38	35.54	42.28	43.17	45.34	44.34	43.97	37.36	35.35	41.17	
1	2019	September	Market Pri	2 PM Mkt	40.89	43.05	43.69	46.06	43.71	43.88	34.82	33.67	33.49	40.99	43	43.08	44.51	41.51	41.46	47.78	50.83	48.12	47.5	43.23	35.88	35.06	44.38	46.22	46.79	47.73	47.39	37.91	36.08	37.35	
1	2019	September	Market Pri	3 PM Mkt	42.16	41.89	43.86	46.33	46.21	46.28	38.52	35.65	35.62	43.34	45.26	45.3	46.09	42.88	41.61	52.26	55.1	48.91	48.65	41.57	31.75	35.46	46.19	47.58	49.66	49.85	45.82	39.04	37.58	41.65	
1	2019	September	Market Pri	4 PM Mkt	42.2	43.05	44.89	46.54	47.08	47.23	37.57	36.47	37.02	44.82	46.48	46.7	47.6	42.09	42.49	54.85	57.05	49.61	48.58	43.78	30.97	35.7	48.04	48.5	52.78	51.84	48.07	39.9	36.04	41.68	
1	2019	September	Market Pri	5 PM Mkt	41.42	43.05	44.97	47.78	48.5	47.46	37.51	35.6	37.92	45.44	48.29	46.7	48.14	42.99	43.73	56.71	59.36	50.12	48.51	43.23	34.15	29.65	49.39	49.27	53.02	51.81	47.57	40.84	38.04	41.96	
1	2019	September	Market Pri	6 PM Mkt	42.11	41.55	43.91	47	47.33	46.36	37.54	35.7	39.15	45.78	47.78	46.12	46.64	42.31	42.34	55.86	57.21	49.59	47.76	42.31	31.2	38.14	49.35	48.51	52.15	50.41	45.59	40.18	38.88	41.4	
1	2019	September	Market Pri	7 PM Mkt	41.6	42.4	42.05	46.22	44.91	43.6	35.7	35.96	37.59	43.51	45.48	43.82	45.02	42.69	42.84	52.69	53.01	47.28	46.31	40.67	36	38.55	46.9	46.04	48.61	48.05	40.19	38.5	38.08	41.14	
1	2019	September	Market Pri	8 PM Mkt	43.8	43.26	43.29	43.86	43.44	41.08	35.65	34.97	37.66	42.04	43.06	43.2	42.43	41.07	41.52	50.42	50.94	47.31	46.53	40.52	31.42	38.5	46.69	45.95	47.33	48.91	41.15	37.36	39.71	41.63	
1	2019	September	Market Pri	9 PM Mkt	41.51	43.3	43.27	44.81	43.49	39.71	35.45	33.98	38.62	41.77	42.99	43.24	42.18	39.85	43.07	50.01	50.08	46.93	46.53	39.77	33.94	38.86	46.51	43.1	45.59	47.9	41.06	39.91	40.7	41.29	
1	2019	September	Market Pri	10 PM Mkt	40.76	42.49	41.33	41.82	41.81	36.94	33.65	30.59	37.01	41.46	41.51	41.59	41.79	38.87	41.8	43.61	43.9	43.54	42.42	32.46	34.37	35.6	42.29	41.81	41.27	41.54	40.57	37.08	36.14	39.43	
1	2019	September	Market Pri	11 PM Mkt	35.7	37.72	34.82	36.16	35.5	32.52	29.79	28.96	30.97	37.2	38.6	36.08	37.66	35.67	36.11	41.51	41.41	38.76	34.36	31.78	29.63	32.65	37.29	38.55	39.69	41.35	34.21	32.01	31.66	32.96	
1	2019	September	Market Pri	Midnight M	29.82	31.05	30.25	30.36	29.07	28.94	27.92	27.7	27.47	31.12	33.71	30.62	33.49	31.43	31.38	33.93	34.75	33.03	29.51	28.27	28.2	29.58	33.81	32.18	36.39	34.37	29.53	29.42	29.43	28.6	
1	2019	October	Market Pri	1 AM Mkt	29.58	29.48	30.03	28.43	28.6	28.17	31.7	34.49	34.51	32.52	28.69	28.53	26.83	28.1	28.07	28.84	28.65	28.52	28.5	26.51	27.08	27.93	27.93	28.07	27.96	27.57	26.86	27.82	28.29	28.86	28.53
1	2019	October	Market Pri	2 AM Mkt	28.58	28.33	29.04	27.03	27.99	27.57	29.58	31.04	30.49	29.61	27.96	27.66	26.52	27.58	27.57	27.61	27.83	27.5	27.25	25.93	26.59	26.32	26.32	27.66	26.75	27.04	26.19	27.5	27.76	27.67	27.96
1	2019	October	Market Pri	3 AM Mkt	27.61	28.02	27.83	26.95	27.64	26.58	28.86	29.05	28.86	28.5	27.61	27.57	26.3	26.89	26.59	27.07	27.57	26.66	27.05	25.59	26.38	25.88	26.27	26.53	26.6	26.6	26.27	26.97	26.9	27.4	27.62
1	2019	October	Market Pri	4 AM Mkt	26.92	27.57	27.83	27.05	27.57	26.52	27.96	28.3	28.19	28.5	27.4	27.06	26.09	27.08	26.6	26.58	27.05	26.64	26.72	25.53	26.42	25.64	25.68	26.24	26.4	26.62	25.59	26.94	26.89	26.88	27.33
1	2019	October	Market Pri	5 AM Mkt	27.77	27.87	27.93	26.86	26.73	26.5	29.48	28.5	28.39	28.21	27.35	26.71	25.76	27.58	26.46	26.94	27.21	26.61	26.47	25.4	26.63	26.32	25.92	26.32	26.4	26.07	25.4	27.57	27.24	27.96	27.96
1	2019	October	Market Pri	6 AM Mkt	28.67	28.5	28.16	27.38	26.91	26.55	30.37	30.81	30.03	29.06	27.95	27.03	26.05	28.05	27.83	27.83	28.07	27.48	26.65	25.59	27.85	26.99	26.99	27.54	26.68	26.32	26.21	29.23	28.86	28.86	29.06
1	2019	October	Market Pri	7 AM Mkt	36.12	36.24	36.28	31.55	27.72	26.41	38.82	38.95	39	37.08	32.84	27.57	26.42	33.9	34.08	34.07	35.12	30.95	27.25	26.09	34.96	33.16	32.79	33.9	30.73	26.8	25.76	37.56	36.57	36.6	37.54
1	2019	October	Market Pri	8 AM Mkt	38.37	38.88	38.01	36.58	28.12	27.61	40.34	41.05	39.13	40.9	36.38	28.5	27.05	39.03	37.41	37.41	38.88	36.61	27.75	26.5	38.82	37.25	37.2	38.18	36.32	28.07	26.91	39.91	38.91	41.08	41.09
1	2019	October	Market Pri	9 AM Mkt	39.39	38.82	38.37	37.39	30.85	28.75	41.93	41.09	41.09	40.93	37.14	29.77	27.65	39.17	38.37	39.96	38.81	37.28	28.86	27.72	38.87	37.84	38.1	38.87	37.26	29.43	27.79	40.21	39.78	40.67	39.92
1	2019	October	Market Pri	10 AM Mkt	41.09	40.9	41.05	37.46	32.38	30.81	42.63	41.7	41.93	42.05	40.29	31.72	29.31	38.99	38.82	38.87	39.64	39.02	30.84	28.86	38.82	38.37	38.18	38.82	38.7	30.71	29.06	41.74	40.87	39.06	41.05
1	2019	October	Market Pri	11 AM Mkt	42.51	41.92	41.5	38.87	35.62	35.62	42.67	42.48	42.65	43.58	41.05	33.42	29.43	39.59	38.82	38.82	41.28	38.82	34.06	28.86	38.82	38.82	38.37	38.82	38.97	33.26	29.41	40.52	40.92	39	41.05
1	2019	October	Market Pri	Noon Mkt	42.31	42.56	41.53	38.7	37.09	36.79	42.88	43.51	43.17	43.4	40.91	34.37	30.17	40.79	38.82	40.35	41.62	39.53	35.44	29.75	38.92	38.87	38.98	38.82	39.02	33.53	29.99	41.09	40.13	40.36	40.91
1	2019	October	Market Pri	1 PM Mkt	42.46	40.9	41.74	38.54	37.73	38.14	43.65	44.39	43.46	43.49	40.55	31.82	29.98	40.92	38.9	40.9	41.53	38.98	35.17	30.17	38.87	38.88	38.37	41.05	38.96	32.14	29.66	41.65	38.82	38.37	38.76
1	2019	October	Market Pri	2 PM Mkt	41.42	42.65	41.44	38.82	37.29	40.11	45.23	44.96	43.78	44.58	40.92	31.08	29.48	40.92	39.35	41.05	41.26	40.97	34.23	30.17	38.88	39.15	39.37	38.98	37.53	30.85	29.43	40.02	40.79	38.61	38.37
1	2019	October	Market Pri	3 PM Mkt	43.59	42.98	41.83	39.05	37.72	40.49	46.92	45.75	44.99	41.41	38.78	30.74	28.86	38.89	39.01	41.08	41.05	38.82	34.12	29.58	38.9	38.93	38.87	38.88	37.41	29.66	29.48	38.82	39.49	37.45	38.37
1	2019	October	Market Pri	4 PM Mkt	44.24	41.53	41.44	38.76	37.92	40.59	47.22	46.76	47.2	45.02	37.42	30.57	28.52	38.82	38.96	41.05	41.09	38.82	34.56	29.86	38.82	38.88	39.24	38.93	37.38	29.83	28.52	39.54	37.19	38.06	38.76
1	2019	October	Market Pri	5 PM Mkt	44.36	42.15	41.09	39.21	37.79	40.69	48.02	47.07	47.56	43.38	38.37	29.86	28.71	38.15	38.37	39.57	41.05	39.49	33.93	30.17	38.88	38.9	39.91	39.91	37.41	30.06	28.92	39.54	39.58	39.01	38.57
1	2019	October	Market Pri	6 PM Mkt	42.67	44.1	40.12	37.83	38.84	40.59	47.03	46.66	45.28	43.77	39.67	31.48	30.61	39.62	41.09	41.09	41.05	38.71	33.18	33.26	38.82	38.87	38.82	38.9	37.09	30.83	30.93	41.09	40	37.58	38.5
1	2019	October	Market Pri	7 PM Mkt	42.56	41.53	39.4	37.57	40.02	40.89	46.53	46.31	45.38	43.36	37	32.21	33.08	39.62	41.08	41.78	41.64	38.82	34.33	35.44	38.9	38.82	38.9	39.88	38.51	34.21	34.94	41.9	41.66	40.93	38.87
1	2019	October	Market Pri	8 PM Mkt	42.81	43.88	41.63	38.82	39.83	42.91	46.82	46.22	45.74	43.81	38.82	34.69	36.11	41.2	41.74	41.74	41.74	38.82	35.89	36.8	40.85	40.82	40.51	41.44	38.82	34.9	37.91	42.35	41.74	41.2	41.09
1	2019	October	Market Pri	9 PM Mkt	43.58	43.87	40.55	39.08	39.5	41.64	43.8	44.42	44.9	41.47	38.37	33.93	35.74	41.2	40.13	41.74	41.93	38.87	35.1	37.34	39.33	39.49	41.09	39.74	37.63	33.23	36.6	42.05	41.05	41.53	40.92
1	2019	October	Market Pri	10 PM Mkt	42.54	43.14	41.08	38.35	37.06	40.68	41.58	42.56	41.26	42.49	36.59	30.78	34.2	39.27	39.94	41.29	41.05	37.53	31.76	35.44	38.9	38.97	38.82	38.91	37.15	30.84	35.44	39.91	39.5	38.91	38.37
1	2019	October	Market Pri	11 PM Mkt	38.8	39.06	34.4	34.03	33.2	40.38	41.36	40.63	40.81	37.82	31.78	29.45	32.48	34.17	35.44	35.92	35.32	31.66	29.17	32.51	34.32	34.24	35.44	34.02	31.37	29.43	31.72	32.54	33.88	33.62	31.57
1	2019	October	Market Pri	Midnight M	33.9	34.17	27.53	27.48	29.55	37.79	38.45	38.81	37.44	31.38	29.43	28.16	29.43	27.2	30.35	30.58	30.17	29.06	27.96	29.41	28.5	28.8	30.34	29.02	28.51	27.72	29.06	29.48	30.43	30.05	30.17
1	2019	November	Market Pri	1 AM Mkt	28.81	28.97	27.18	27.14	27.59	27.71	28.92	27.1	27.98	25.87	26.72	27.72	27.59	28.52	28.52	28.3	26.16	26.9	27.8	27.96	33.48	35.45	32.84	27.3	28.98	28.52	32.02	27.99	28.74	30.79	
1	2019	November	Market Pri	2 AM Mkt	27.85	27.99	26.95	26.98	27.07	26.92	27.84	25.42	26.34	25.56	26.61	26.49	26.07	27.78	27.68	27.3	25.71	26.48	27.02	27.47	31.82	33.64	30.4	26.87	28.14	29.52	30.51	27.59	28.89	29.1	
1	2019	November	Market Pri	3 AM Mkt	27.59	28	26.67	26.43	26.91	27.13	27.58	26.61	25.71	25.21	25.61	26.66	25.79	26.99	27.7	26.9	25.67	25.8	26.78	26.51	31.85	32.27	29.46	26.77	27.59	28.89	29.46	27.03	28.65	29.48	
1	2019	November	Market Pri	4 AM Mkt	27.77	28.08	26.68	26.65	26.4	26.73	27.64	26.34	25.61	25.19	25.96	26.34	25.99	27.02	27.99	26.85	25.61	25.71	26.64	27.36	32.49	31.93	29.13	26.72	27.33	28.33	30.58	26.96	28.81	28.46	
1	2019	November	Market Pri	5 AM Mkt	27.86	27.99	26.73	26.9	27.11	27.64	27.84	26.58	25.61	25.19	25.83	26.45	26.51	27.6	28.1	26.89	25.61	26.05	26.47	28.02	33.48	33.64	29.05	27.04	28.3	29.03	31.77	26.83	29.33	28.46	
1	2019	November	Market Pri	6 AM Mkt	30.67	28.05	26.98	28.89	29.11	29.46	29.23	29.14	26.05	25.54	27.89	27.87	27.99	29.91	30.91	27.59	26.08	28.1	27.99	29.73	38.62	43.64	30.4	27.39	30.79	31.88	35.45	27.07	30.82	29.48	
1	2019	November	Market Pri	7 AM Mkt	38.81	29.89	28.1	37.07	34.33	38.87	37.66	35.91	26.23	25.32	35.76	34.58	35.41	38.36	40.44	28.2	26.16	34.45	35.98	38.59	46.3	44.47	31.7	28.48	40.16	39.6	42.93	26.64	37.77	29.49	
1	2019	November	Market Pri	8 AM Mkt	42.03	31.41	28.89	39.73	39.59	40.57	40.49	39.29	27.22	25.86	39.13	37.92	38.78	42.61	42.66	28.61	26.34	38.59	39.29	42.01	46.47	45.18	34.37	28.89	43.01	42.85	44.44	27.52	39.59	30.79	
1	2019	November	Market Pri	9 AM Mkt	42.32	34.48	28.85	40.31	39.86	41.79	40.69	40.53	28.68	27.02	40.29	38.69	40.59	41.36	41.91	30.82	27.59	40.4	39.59	42.24	46.4	45.05	37.5	29.6	40.83	42.09	44.38	29.93	39.92	34.12	
1	2019	November	Market Pri	10 AM Mkt	42.66	37.24	29.52	40.95	39.27	41.1	39.64	40.61	30.72	28.05	40.01	38.74	40.26	40.63	42.66	32.92	28.89	40.51	39.89	42.03	45.16	43.94	37.19	30.81	42.61	42.61	44.88	32.84	42.51	36.44	
1	2019	November	Market Pri	11 AM Mkt	42.04	36.69	29.6	41.98	39.59	41.97	40.4	41.81	33.64	29.03	41.46	39.59	41.46	40.78	40.97	34.12	28.99	41.7	39.87	42.66	45.04	43.39	39.86	31.71	42.09	42.66	45.16	35.74	43.38	38.62	
1	2019	November	Market Pri	Noon Mkt	42.19	36.79	30.45	41.77	39.01	41.49	40.4	41.03	34.09	29.48	41.53	38.95	41.87	40.23	41.44	32.1	29.89	41.5	40.19	42.85	44.6	42.71	38.31	30.52	41.76	42.66	44.92	35.73	40.3	36.44	
1	2019	November	Market Pri	1 PM Mkt	41.94	32.99	29.91	41.52	36.83	40.56	40.59	41.7	33.12	28.89	41.47	37.08	41.79	40.46	40.56	31.55	30.15	41.51	39.19	41.98	43.92	42.04	35.45	30.72	42	39.58	42.66	31.6	40.36	35.11	
1	2019	November	Market Pri	2 PM Mkt	42.13	32.44	29.17	40.88	36.91	40.07	40	41.49	32.92	29.12	40.53	37.79	42.13	41.41	40.44	31.66	30.03	40.52	39.36	42.77	43.85	42.66	33.64	29.6	42.14	40.09	43.08	28.88	39.64	33.64	
1	2019	November	Market Pri	3 PM Mkt	41.83	30.3	28.58	39.98	36.97	39.58	40.57	40.62	31.73	29.48	40.29	37.03	41.22	39.76	40.29	30.2	29.48	39.97	38.92	42.02	43.85	42.66	33.17	30.2	41.83	40.26	42.66	27.28	40.17	31.78	
1	2019	November	Market Pri	4 PM Mkt	39.73	30.17	28.52	40.51	33.91	40.25	39.66	41.01	32.73	28.86	40.08	37	41.38	40.35	39.59	30.81	29.39	40.39	37.17	41.98	43.63	41.94	32.01	29.89	41.46	39.58	41.39	27.28	39.24	30.58	
1	2019	November	Market Pri	5 PM Mkt	40.25	29.89	30.84	40.77	38.99	41.54	40.27	40.22	33.64	30.2	40.11	38.88	41.43	40	40.27	31.75	30.36	41.82	40.47	42.66	44.2	43.17	34.43	30.83	41.45	41.94	42.52	28.34	40.72	32.14	
1	2019	November	Market Pri	6 PM Mkt	40.33	30.72	31.95	42.14	40.26	41.82	41.78	41.86	35.36	33.65	42.19	40.47	41.99	41.98	41.84	35.45	34.86	43.12	41.87	45.1	47.68	45.04	38.78	37.4	45.2	45.03	46.23	29.47	42.66	38.67	
1	2019	November	Market Pri	7 PM Mkt	41	33.29	38.47	41.58	40.5	42.31	42	41.94	38.78	36.55	41.98	42	42.85	42.85	41.94	36.96	36	42.78	41.55	45.12	49.34	45.2	39.81	38.61	42.66	45.61	46.9	33.91	42.14	39.44	
1	2019	November	Market Pri	8 PM Mkt	40.7	35.45	35.11	40.21	40.42	42.08	41.94	41.29	35.81	35.11	41.97	39.98	41.77	42	42.52	34.72	35.21	42.19	40.72	43.86	48.82	45.2	39.93	39.52	44.22	45.07	44.64	33.86	42.66	38.86	
1	2019	November	Market Pri	9 PM Mkt	41.94	32.89	33.71	39.98	39.66	41.94	40.7	40.46	32.37	33.88	41	39.59	41.32	42.22	40.67	32.81	33.47	41.81	39.58	41.97	46.23	43.08	36.58	39.4	42.66	43.38	42.28	33.14	41.98	36.71	
1	2019	November	Market Pri	10 PM Mkt	40.36	31.02	30.79	38.18	39.59	40.12	39.45	38.53	30.2	30.2	39.27	39.59	40.29	40.22	40.46	29.48	32	40.27	39.68	41.6	46.31	42.56	34.12	36.47	42.01	44.31	41.75	31.56	41.68	33.64	
1	2019	November	Market Pri	11 PM Mkt	37.95	29.6	28.37	30.85	31.29	33.38	30.9	31.5	28.44	28.52	32.19	33	35.09	35.11	34.26	28.43	28.95	33.21	36.01	42.22	41.39	41.39	30.78	30.85	38.66	40.21	38.58	31.06	38.51	29.89	
1	2019	November	Market Pri	Midnight M	30.79	28.05	27.99	28.71	28.89	30.06	28.27	29.2	26.74	27.59	28.89	28.71	29.89	29.89	29.69	26.67	27.6	29.79	30.2	38.98	37.23	37.75	28.83	28.97	32.74	34.48	32.56	30.41	34.17	28.52	
1	2019	December	Market Pri	1 AM Mkt	28.06	25.8	26.42	29.74	30.21	32.63	33.19	30.12	28.98	34.81	40.14	35.72	38.68	39.87	31.78	29.62	33.21	33.69	31.03	34.15	34.36	34.6	33.83	40.49	42.57	35.81	32.84	28.19	27.6	26.01	27.33
1	2019	December	Market Pri	2 AM Mkt	26.53	25.63	26.12	28.9	29.48	30.93	31.72	28.9	28.54	33.18	37.24	35.45	35.45	37.39	29.62	28.9	30.82	31.5	30.48	31.71	33.05	30.87	32.72	38.52	40.76	34.6	30.47	27.12	26.26	26.17	26.74
1	2019	December	Market Pri	3 AM Mkt	26.28	25.35	25.82	29.23	29.47	30.72	30.84	28.31	28.11	33.73	37.02	33.99	34.31	36.21	29.48	28.64	30.21	32.25	29.72	30.8	32.93	30.69	31.71	36.03	39.18	34.04	27.99	27.45	25.89	25.66	26.7
1	2019	December	Market Pri	4 AM Mkt	26.36	25.57	25.63	29.62	29.59	30.21	30.1	28.28	28.76	33.64	37.24	34.36	34.08	35.04	29.62	29.15	29.62	31.66	29.62	29.9	30.87	30.57	33.65	35.71	38.76	34.36	28.9	25.83	26.17	26.17	26.66
1	2019	December	Market Pri	5 AM Mkt	26.49	25.95	25.95	30.21	30.65	30.88	30.12	28.54	29.62	34.64	41.31	37.05	34.9	34.81	29.68	29.62	30.54	33.1	29.9	31.14	31.04	30.87	35.71	37	41.24	35.88	28.9	25.82	26.3	26.28	26.72
1	2019	December	Market Pri	6 AM Mkt	26.36	27.99	27.96	34.36	34.36	35.45	33.02	28.72	34.03	41.69	42.96	42.87	42.5	38.9	29.62	34.6	36.14	38.03	34.49	35.96	34.36	32.78	42.83	43.4	43.42	42.11	29.58	25.51	26.21	26.76	27.97
1	2019	December	Market Pri	7 AM Mkt	26.27	32.87	34.67	43.58	41.96	44.9	32.94	28.29	44.33	45.36	47.47	47.21	45.54	40.94	29.62	44.6	44.62	46.49	44.22	44.31	36.08	33.62	45.49	48.35	46.85	44.88	38.68	25.63	25.75	28.35	32.52
1	2019	December	Market Pri	8 AM Mkt	27.22	39.64	41.1	44.83	45.65	46.09	30.28	30.68	46.31	47.31	48.49	49	47.46	43.48	33.58	46.37	46.72	49.49	46.53	45.34	42.57	37.17	48.19	50.15	47.97	48	41.79	27.9	26.65	30.93	35.45
1	2019	December	Market Pri	9 AM Mkt	28.59	39.67	41.53	44.83	44.6	45.66	42.83	33.88	46.25	47.25	47.88	48.59	48.56	45.56	37.49	45.65	46.35	47.82	46.17	45.93	42.89	41.65	48.4	48.64	48.41	46.54	44.01	28.11	28.85	32.87	36.41
1	2019	December	Market Pri	10 AM Mkt	29.15	40.28	41.12	44.33	44.95	45.95	42.83	34.36	46.56	46.62	47.66	47.12	48	45.74	38.27	46.53	45.65	46.41	44.96	45.89	44.13	42.11	48.01	48.15	47.73	46.55	44.14	33.61	29.51	35.43	37.33
1	2019	December	Market Pri	11 AM Mkt	29.3	40.28	42.24	44.83	44.71	45.65	43.05	34.68	46.41	46.87	47.45	46.68	48.45	45.75	37.96	44.83	45.01	46.53	46.57	44.83	44.24	40.9	47.89	47.74	47.3	46.33	43.58	33.39	29.25	35.82	38.71
1	2019	December	Market Pri	Noon Mkt	29.48	41.09	41.97	44.91	44.8	44.92	42.82	34.56	46.25	45.97	46.4	47.29	48.04	44.42	35.98	45.07	44.67	46.59	46.57	44.83	42.85	39.68	47.54	46.41	47.11	44.83	41.51	33.55	29.21	34.47	37.2
1	2019	December	Market Pri	1 PM Mkt	29.02	40.28	40.98	44.5	44.85	44.83	40	34.23	45.74	45.05	46.1	46.25	47.72	42.11	34.2	45.14	44.1	46.61	45.96	44.6	42.11	35.77	46.37	45.73	45.93	45.14	40.03	29.9	28.9	32.63	34.43
1	2019	December	Market Pri	2 PM Mkt	28.9	39.74	40.91	44.83	44.9	44.83	38.38	33.35	45.23	44.83	45.88	46.24	47.23	39.59	33.82	44.06	44.8	46.6	45.03	44.59	39.45	34.36	46.33	46.29	46.23	44.79	38.47	29.47	28.11	32.41	32.68
1	2019	December	Market Pri	3 PM Mkt	28.11	40.02	42.34	44.82	44.83	44.83	38.55	32.27	44.82	44.83	45.61	46.41	46.31	38.66	32.72	43.64	43.64	46.41	45.14	44.83	36.49	33.58	45.9	44.89	45.56	44.14	34.28	29.62	26.84	33.03	32.3
1	2019	December	Market Pri	4 PM Mkt	28.5	40.66	42.84	44.83	44.83	44.83	41.05	33.93	44.83	44.83	45.53	46.34	46.31	38.97	33.79	43.88	44.26	46.59	45.74	44.88	38.54	33.93	45.15	45.13	45.38	44.33	33.91	29.62	26.43	32.4	30.57
1	2019	December	Market Pri	5 PM Mkt	29.09	40.79	44.71	44.85	45.1	44.88	42.95	34.47	45.67	45.65	46.69	47.81	46.31	42.76	34.36	45.05	44.33	47.3	46.44	44.83	41.58	38.75	46.58	45.65	46.21	44.48	36.68	29.89	26.76	33.91	33.91
1	2019	December	Market Pri	6 PM Mkt	33.36	43.63	44.92	46.11	46.65	46.25	45.94	42.84	49	49.15	50.48	50.23	49.32	45.76	43.45	47.88	50.06	53.14	50.66	46.56	45.62	42.94	50.32	49.52	46.79	46.43	41	33.25	29.04	41.63	42.18
1	2019	December	Market Pri	7 PM Mkt	33.13	43.8	45.54	46.44	46.31	47.62	46.01	45.6	50.55	50.48	52.16	50.97	49.18	46.2	45.58	50.44	51.92	53.83	49.91	47.28	45.82	46.01	53.11	51.98	47.76	47.71	43.59	33.85	29.15	42.73	43.61
1	2019	December	Market Pri	8 PM Mkt	31.78	43.58	45.04	46.29	46.58	46.41	45.62	45.5	48.89	49.77	51.26	49.41	48.58	46.01	45.5	49.66	51.17	52.4	47.43	46.41	46.67	45.84	52.08	50.85	48.16	46.63	42.87	32.01	28.75	40.55	42.25
1	2019	December	Market Pri	9 PM Mkt	31.68	40.9	45.24	46.01	46.1	46.6	44.09	43.16	46.84	48.89	50.11	48	48.01	46.01	42.99	46.66	50.37	49.11	46.56	46.37	45.62	46.01	50.23	50.44	48.57	45.13	42.07	30.9	28.72	35.29	42.45
1	2019	December	Market Pri	10 PM Mkt	29.36	39.4	44.83	44.83	45.01	45.76	42.11	38.97	46.53	46.41	47.82	46.58	46.91	42.77	42.48	46.32	47.78	46.55	45.12	45.36	45.21	45.72	48.34	48.35	46.86	44.21	40.17	29.62	28.62	33.91	39.37
1	2019	December	Market Pri	11 PM Mkt	28	30.21	38.12	40.08	42.42	43.03	37.32	33.92	46.13	46.71	46.77	45.77	46.09	40.56	35.45	43.78	45.76	43.54	42.85	44.4	42.11	41.65	46.81	46.62	46.86	42.82	33.1	29.54	28.11	29.62	33.12
1	2019	December	Market Pri	Midnight M	26.36	27.99	31.79	33.87	34.89	35.45	32.78	30.07	38.14	43.68	42.85	42.11	42.32	35.45	30.52	34.44	40.15	34.36	38.81	39.85	39.85	35.71	45.34	43.67	39.99	34.36	29.2	28.79	26.69	27.96	28.9
1	2020	January	Market Pri	1 AM Mkt	29.47	30.82	31.23	25.88	26	27.66	31.47	32.25	34.15	36.44	32.17	30.08	31.24	34.42	32.24	29.34	34.74	40.19	29.56	41.98	45.88	44.12	33.68	37.42	31.8	35.55	41.51	36.66	29.81	33.71	37.04
1	2020	January	Market Pri	2 AM Mkt	27.94	29.25	29.34	25.91	25.34	26.2	29.54	30.94	30.73	33.4	29.81	27.5	29.34	32.03	30.01	28.28	32.28	37.13	34.02	42.82	45.47	44.1	29.81	34.84	29.56	34.58	38.25	34.58	34.19	31.8	35.63
1	2020	January	Market Pri	3 AM Mkt	28.02	28.22	27.94	24.34	25.16	26.2	28.78	29.93	29.56	33.06	29.25	28.29	28.56	31.67	29.56	27.31	31.94	35.79	33.89	41.79	45.02	38.2	36.02	29.81	29.34	34.58	37.86	34.15	33.89	29.81	37.04
1	2020	January	Market Pri	4 AM Mkt	28.23	28.7	27.94	25.22	25.28	25.97	28.78	29.81	29.5	32.84	29.36	27.64	29.05	31.54	29.52	27.61	31.8	36.47	34.1	42.96	45.21	41.37	29.81	29.82	29.34	34.98	37.53	34.04	33.4	29.81	37.04
1	2020	January	Market Pri	5 AM Mkt	28.7	28.5	30.11	25.02	25.15	27.13	29.34	30.78	30.89	34.13	28.78	28.7	29.82	32.18	29.81	27.94	34.38	37.04	34.28	44.16	45.52	40.82	31.89	31.59	29.34	37.04	44.72	36.83	30.86	32.06	37.04
1	2020	January	Market Pri	6 AM Mkt	31.8	30.94	32.57	23.83	25.62	28.75	33.03	36.24	35.67	38.76	30.08	29.56	32.35	37.48	33.96	30.06	40.67	38.5	29.81	44.1	49.65	44.76	34.65	35.55	29.57	43	44.93	41.31	34.8	40.31	45.69
1	2020	January	Market Pri	7 AM Mkt	29.56	36.53	36.97	25.58	26.74	26.58	33.02	39.38	33.68	40.42	32.01	31.48	33.02	38.49	33.99	28.67	41.07	41.44	32.58	45.72	54.56	49.15	43.29	46.17	38.49	44.1	51.23	47.73	41.92	48.04	49.82
1	2020	January	Market Pri	8 AM Mkt	29.81	38.49	36.56	26.91	27.94	33.3	40.68	41.37	39.87	43.44	35.37	32.03	40.02	41.37	42.15	37.19	44.28	43.62	42.34	49.35	57.51	51.55	48.04	49.08	41.67	44.1	53.28	50.91	46.06	51.26	51.88
1	2020	January	Market Pri	9 AM Mkt	31.99	39.52	39.25	27.7	28.29	31.72	39.93	41.37	40.03	41.6	31.5	34.43	41.6	44.14	42.52	37.33	44.23	43.7	38.12	49.35	55.91	50.44	48.21	49.48	44.96	45.28	52.64	50.31	45.92	50.32	51.37
1	2020	January	Market Pri	10 AM Mkt	34.58	40.38	39.38	25.98	30.14	34.24	40.71	41.45	40.93	43.11	34.14	38.7	40.14	44.61	40.93	39.46	44.1	44.1	40.91	49.41	54.15	50.24	49.35	49.4	45.65	45.5	50.7	50.1	45.97	50.4	49.89
1	2020	January	Market Pri	11 AM Mkt	38.12	41.49	39.49	32.02	30.94	35.65	41.37	41.49	42.8	43.14	37.87	39.06	40.01	41.37	39.82	40.33	44.34	44.18	41.62	49.6	51.89	51.61	47.94	48.2	45.94	45.79	51.88	48.8	45.92	51.19	51.22
1	2020	January	Market Pri	Noon Mkt	38.12	41.48	39.48	30.84	31.93	38.09	41.37	45.14	42.92	42.29	39.18	32	39.83	44.93	47.02	40.36	43.14	43	41.19	48.8	51.82	49.48	47.41	47.73	46.1	45.02	49.74	47.02	45.92	50.01	50.04
1	2020	January	Market Pri	1 PM Mkt	38.12	42.01	39.47	31.8	29.56	36.81	41.37	44.93	42.99	41.66	36.84	31.35	40.14	41.37	39.4	40.62	42.89	37.73	43	48.2	49.86	51.28	48.33	49.49	45.46	45.65	49.03	46.17	46.05	48.04	48.47
1	2020	January	Market Pri	2 PM Mkt	38.12	40.93	39.38	29.68	31.93	36.74	41.37	44.6	41.37	41.58	33.4	39.4	39.5	41.37	38.74	39.15	42.84	31.88	43.86	48.04	50	48.68	46.86	46.86	44.68	45.54	47.33	45.8	45.93	47.73	47.41
1	2020	January	Market Pri	3 PM Mkt	34.66	40.35	39.14	29.34	31.8	37.43	41.37	44.15	41.26	41.32	30.94	29.68	39.5	43.17	38.43	40.12	41.07	31.82	42.19	47.58	51.83	49.64	46.86	46.02	45.09	44.42	46.94	44.98	41.97	46.12	46.49
1	2020	January	Market Pri	4 PM Mkt	33.76	40.37	38.33	28.7	31.74	38.54	41.37	44.6	41.37	40.93	30.94	29.67	39.83	43.03	38.4	40.13	40.38	33.4	41.18	48.34	51.87	49.76	46.11	45.97	44.68	41.05	46.89	41.37	43.14	46.02	46.11
1	2020	January	Market Pri	5 PM Mkt	43	41.32	36.4	29.77	29.54	39.41	41.37	45.78	42.96	41.37	32	29.81	39.96	43.73	41.37	40.71	40.93	37.04	44.24	49.47	49.92	50.01	46.53	45.94	45.38	45.21	47.35	41.9	46.86	47.9	45.84
1	2020	January	Market Pri	6 PM Mkt	46.16	45.76	41.53	32.7	32.73	43.21	44.85	47.97	46.73	45.46	41.15	32.02	45.07	45.79	42.29	40.9	46.17	43	45.28	50.39	53.06	49.62	48.04	47.03	46.65	46.64	48.8	45.8	47.72	48.04	47.26
1	2020	January	Market Pri	7 PM Mkt	45.9	45.92	41.56	36.49	36.01	44.24	46.57	49.83	48.26	45.53	41.4	38.65	45.67	46.28	43.74	45.43	48.04	44.77	47.43	53.96	58.8	52.23	49.73	48.56	47.94	51.44	51.08	48.04	49.41	50.52	48.04
1	2020	January	Market Pri	8 PM Mkt	44.86	44.84	41.59	30.94	34.58	40.03	46.21	48.04	47.08	44.68	37.04	39.44	45.72	45.74	43.08	44.45	47.41	44.44	48.15	54.22	57.29	49.57	50.7	48.51	48.99	51.78	49.82	48.11	51.03	51.47	48.82
1	2020	January	Market Pri	9 PM Mkt	44.68	42.65	41.44	28.34	29.81	39.9	43.15	46.86	46.65	41.37	32	37.04	44.47	45.67	41.88	42.04	46.92	44.16	47.34	52.88	54.57	49.18	49.85	48.41	46.58	49.54	49.51	47.08	49.94	51.22	49.14
1	2020	January	Market Pri	10 PM Mkt	37.04	40.31	39.48	30.94	29.34	39.38	41.37	41.53	42.17	40.71	31.8	35.34	40.14	43.23	38.34	40.87	44.93	40.82	45.41	50.73	52.08	49.11	47.39	48.93	46.38	49.33	49.24	45.89	47.35	49.42	46.15
1	2020	January	Market Pri	11 PM Mkt	32.01	37.04	31.99	28.57	31.56	40.47	43.85	37.35	43.47	41.29	36.89	29.81	32.27	37.04	31.8	43.68	44.73	40.49	44.72	49.84	51.71	45.87	43.68	46.15	44.1	46.92	45.08	39.17	44.68	46.53	45.15
1	2020	January	Market Pri	Midnight M	33.04	29.78	29.66	25.87	28.22	33.21	36.78	39.78	40.27	38.28	32.69	28.7	37.41	35.77	32.1	38.28	43.65	40.09	42.75	46.6	45.67	37.37	34.58	43.78	43.28	41.31	37.04	30.94	37.04	45.47	41.07
1	2020	February	Market Pri	1 AM Mkt	31.75	32.3	33.85	35.17	33.47	33.28	34.04	33.66	29.38	29.1	29.77	29.91	33.78	38.54	35.56	29.3	29.3	29.52	28.66	31.89	35.88	35.56	29.77	29.4	30.22	28.47	30.89	35.2			
1	2020	February	Market Pri	2 AM Mkt	29.77	30.11	33.48	32	33.08	30.9	32.76	32.05	28.74	29.1	28.91	29.28	30.9	35.56	32.62	28.24	28.74	27.9	27.9	29.63	35.09	33.87	29.36	29.3	28.33	29.58	29.77	33.54			
1	2020	February	Market Pri	3 AM Mkt	29.77	30.17	33.14	30.26	33.19	31.89	31.97	32.7	28.24	28.74	27.45	27.9	32	34.56	32.12	27.89	28.31	27.28	28.21	30.81	32.15	33.76	28.66	28.74	27.87	29.77	30.61	31.75			
1	2020	February	Market Pri	4 AM Mkt	29.77	29.73	35.31	29.3	33.52	31.82	32.81	31.75	27.99	29.77	26.01	29.52	33.88	35.53	33.48	26.56	28.74	27.62	26.35	30.72	33.28	33.25	28.28	29.28	28.16	30.1	30.9	32			
1	2020	February	Market Pri	5 AM Mkt	29.53	30.01	37.49	32.46	30.9	32.99	34.51	32.06	29.3	31.29	28.24	32.19	32.69	37.58	32	26.61	29.52	27.9	29.77	30.9	35.56	34.4	28.66	29.77	28.74	31.79	30.9	33.17			
1	2020	February	Market Pri	6 AM Mkt	29.63	30.8	34.23	29.77	35.56	30.9	39.26	33.3	29.6	33.23	29.77	35.17	38.17	35.56	33.16	28.66	32.28	29.52	32.07	35.56	35.56	30.43	28.98	30.53	29.77	36.68	35.56	31.64			
1	2020	February	Market Pri	7 AM Mkt	35.56	32	43.81	38.95	44.47	40.31	40.26	38.05	31.66	38.19	27.59	35.4	38.61	44.38	37	30.16	31.43	29.97	31.71	40.42	41.21	31.87	30.25	29.72	31.71	40.38	40.3	41.56			
1	2020	February	Market Pri	8 AM Mkt	40.49	34.64	46.06	44.07	47.29	43.75	45.75	39.01	31.75	40.46	37.54	40.27	42.12	46.27	39.72	31.3	40.5	33.58	41.33	43.12	44.71	35.56	30.9	35.42	37.74	41.2	40.4	41.38			
1	2020	February	Market Pri	9 AM Mkt	41.84	28.77	46.01	43.77	46.1	43.78	44.31	39.81	34.11	40.88	35.42	40.27	43.2	46.33	31.95	31.92	40.92	35.42	40.27	43.19	44.99	34.02	33.47	35.42	39.7	42.81	43.35	43.95			
1	2020	February	Market Pri	10 AM Mkt	42.33	30.9	46.03	42.49	44.85	44.16	43.67	31.75	35.49	40.27	35.42	41.33	43.96	45.9	39.64	35.32	41.57	35.58	39.07	43.97	44.3	35.56	35.36	41.31	40.12	42	44.06	43.6			
1	2020	February	Market Pri	11 AM Mkt	42.91	33.18	45.54	40.43	45.74	41.73	40.87	39.32	35.56	41.34	38.31	40.27	44	45.01	30.9	34.74	42.44	35.42	40.03	43.68	43.81	35.89	29.77	41.85	40.42	41.52	44.2	42.52			
1	2020	February	Market Pri	Noon Mkt	38.05	29.77	45.9	40.4	44.41	41.41	40.5	38.83	31.87	40.27	33.96	39.65	42.12	43.63	31.79	32.74	42.84	32.79	39.06	43.77	43.16	36.73	34.88	41.46	35.88	41.04	43.73	40.38			
1	2020	February	Market Pri	1 PM Mkt	35.56	29.52	43.81	40.47	43.39	43.36	38.76	29.26	29.96	39.07	35.42	39.07	41.84	42.12	29.52	30.71	41.2	31.71	40.27	43.29	41.11	32	32.43	41.25	40.42	38.76	43.71	40.3			
1	2020	February	Market Pri	2 PM Mkt	37.02	33.51	43.03	40.5	43.16	40.43	38.66	30.9	29.18	40.27	35.42	39.07	41.37	40.43	32.1	29.74	41.28	31.71	38.89	42.44	40.64	29.77	31.42	41.05	35.41	38.76	43.64	40.27			
1	2020	February	Market Pri	3 PM Mkt	36.53	34.41	41.17	36.72	41.17	40.49	32.71	31.75	28.74	37.34	35.89	38.92	41.62	39.04	30.9	30.31	40.43	31.21	38.46	42.07	40.1	36.92	31.8	37.72	35.42	38.39	42.76	38.8			
1	2020	February	Market Pri	4 PM Mkt	35.56	33.11	41.26	35.42	41.01	40.27	28.5	30.37	29.14	36.46	35.42	39.06	41.77	36.72	31.56	30.73	40.4	28.23	38.78	41.56	39.11	29.62	32	40.38	35.42	38.31	41.85	35.75			
1	2020	February	Market Pri	5 PM Mkt	35.56	33.58	41.09	39.46	42.12	40.44	31.21	30.92	30.83	35.42	36.72	40.27	42.87	35.42	31.92	30.75	40.12	27.55	38.88	41.53	39.26	29.63	31.61	36.21	35.42	38.86	42.49	31.71			
1	2020	February	Market Pri	6 PM Mkt	35.56	30.77	42.73	40.49	45.13	42.3	38.01	33.06	31.92	41	36.47	43.54	44.93	40.42	32.78	29.52	40.27	33.36	41.79	43.68	39.52	30.45	29.77	40.29	36.08	41.42	42.98	38.03			
1	2020	February	Market Pri	7 PM Mkt	43.76	36.79	45.8	43.29	46.27	45.12	40.08	38.78	36.14	42.86	41.04	45.78	47.56	40.58	29.62	30.9	41.08	40.08	45.62	45.9	40.66	31.98	29.77	41.37	40.98	44.2	44.99	39.68			
1	2020	February	Market Pri	8 PM Mkt	42.74	35.56	45.9	43.81	46.27	45.64	40.04	29.77	35.67	41.55	41.11	45.75	46.77	40.44	30.9	30.9	40.27	31.59	44.71	46.41	42.47	35.56	31.92	41.29	41.44	44.08	45.37	40.5			
1	2020	February	Market Pri	9 PM Mkt	39.72	35.23	44.58	43.61	45.13	44.81	38.94	29.74	35.28	40.74	40.27	41.32	46.2	40.41	29.77	29.77	40.49	39.49	43.35	45.67	42.51	34.41	31.92	40.84	41.22	43.51	44.3	40.08			
1	2020	February	Market Pri	10 PM Mkt	35.56	39.45	43.5	40.66	43.79	40.83	35.42	36.83	35.33	37.64	36.98	39.07	41.05	40.05	30.15	30.9	37.05	35.11	40.27	43.85	40.27	31.92	29.77	38.76	40.46	40.51	43.12	38.85			
1	2020	February	Market Pri	11 PM Mkt	31.74	31.92	35.56	39.72	35.56	38.06	29.77	33.72	32.12	29.77	39.21	42.08	41.82	35.17	32.9	32.96	29.77	35.05	35.17	40.34	35.08	29.52	33.21	39.78	39.72	35.56	36.22	31.98			
1	2020	February	Market Pri	Midnight M	34.62	29.77	31.92	30.85	39.71	39.34	34.26	30.38	30.29	33.54	32.76	38.29	41.38	36.87	29.77	29.98	31.92	30.9	35.96	37.4	36.08	30.9	31.15	31.79	32	37.11	32.95	33.29			
1	2020	March	Market Pri	1 AM Mkt	30.01	28.64	29.18	33.59	35.19	31.56	28.43	29.74	27.88	28.22	33.67	34.77	29.73	30.88	32.72	30.36	29.74	30.59	34.77	30.21	29.96	30.85	29.63	28.63	29.65	31.73	28.22	29.28	31.31	29.49	27.99
1	2020	March	Market Pri	2 AM Mkt	29.28	27.88	27.88	32.55	34.01	30.88	28.22	29.43	27.67	28.22	33.29	33.26	29.74	30.02	29.74	30.01	29.67	29.74	30.88	30.78	29.74	29.74	29.24	28.38	29.32	29.65	28.62	28.72	29.96	28.29	27.72
1	2020	March	Market Pri	3 AM Mkt	29.16	27.6	27.88	34.13	32.63	32.97	28.01	29.28	27.6	28.38	33.26	32.29	29.85	29.74	29.74	29.74	29.63	29.72	30.29	29.89	29.7	29.74	28.65	28.22	29.28	29.59	29.28	29.28	29.74	28.22	27.75
1	2020	March	Market Pri	4 AM Mkt	28.72	28.22	29.05	34.77	34.37	32.36	27.85	28.72	28.02	28.88	32.36	33.91	29.99	29.72	29.7	30.34	29.74	29.82	30.09	32.1	29.17	29.68	29.28	28.93	29.31	29.52	29.28	28.22	29.42	28.72	27.85
1	2020	March	Market Pri	5 AM Mkt	29.49	29.28	29.34	37.28	35.1	32.71	28.64	29.19	28.64	28.72	34.58	34.77	30.88	29.95	29.74	33.32	31.13	31.68	31.53	33.79	29.74	29.37	29.84	29.28	29.73	30.59	29.25	28.28	29.67	30.54	27.85
1	2020	March	Market Pri	6 AM Mkt	33.22	33.53	34.28	40.02	38.6	37.85	28.83	29.7	32.11	31.13	36.62	38.51	35.44	30.07	30.12	38.26	35.1	35.94	36.89	37.66	30.61	29.7	36.85	32.45	33.73	34.46	30.46	28.64	29.74	31.95	29.74
1	2020	March	Market Pri	7 AM Mkt	40.01	32.03	37.82	44.56	43.66	43.66	31.13	30.88	36.55	37.21	44.12	43.66	36.6	33.49	31.11	39.79	39.03	39.32	38.51	38.86	32.64	31.43	36.7	34.17	34.15	31.09	33.91	29.49	31.46	36.45	28.07
1	2020	March	Market Pri	8 AM Mkt	42.47	40.28	38.98	45.63	45.66	44.07	33.34	33.72	35.85	38.8	45.01	44.54	39.04	35.06	34.58	44.58	42.69	42.59	39.71	39.21	36.07	33.95	38.04	36.88	38.03	38.47	35.85	33.39	33.94	37.03	36.64
1	2020	March	Market Pri	9 AM Mkt	38.32	39.96	39.32	44.29	44.29	42.91	36.65	34.77	37.67	38.62	44.13	43.02	41.19	38.92	37.48	43.02	40.12	42.47	38.86	39.89	38.32	36.24	39.79	36.78	40.38	39.03	34.17	36.13	36.44	38.56	34.17
1	2020	March	Market Pri	10 AM Mkt	41.7	39.09	40.1	44.03	41.76	39.29	38.5	33.7	37.23	40.95	44.64	42.55	39.67	38.36	38.44	42.8	40	42.55	38.86	39.88	37.88	37.94	38.86	37.49	40.79	39.67	35.35	37.03	38.17	38.77	37.33
1	2020	March	Market Pri	11 AM Mkt	43.58	41.9	39.86	43.02	39.29	42.19	36.65	34.77	38.07	42.78	42.76	40.07	40.22	38.61	38.03	42.4	39.96	42.57	39.13	38.57	38.56	37.39	38.93	39.28	42.74	39.47	37.34	38.08	38.06	38.79	34.17
1	2020	March	Market Pri	Noon Mkt	43.42	38.74	40.23	42.88	39.09	38.46	35.1	30.78	36.7	42.96	42.42	40.34	38.86	38.67	37.2	40.29	39.79	39.44	38.96	39.1	37.9	34.77	39.77	39.32	41.47	39.35	36.88	38.09	37.43	39.09	38.62
1	2020	March	Market Pri	1 PM Mkt	42.21	39.52	40.39	42.19	38.07	36.77	32.98	29.74	38.19	43.02	42.57	40.06	38.93	38.27	35.83	39.55	36.98	38.06	37.24	38.34	35.58	35.15	38	37.87	41.64	38.34	34.17	37.97	35.84	38.75	37.12
1	2020	March	Market Pri	2 PM Mkt	41.48	39.74	38.86	41.87	38.94	34.17	33.6	29.7	35.75	39.85	42.03	38.86	38.86	38.01	34.73	36.88	38.03	40.51	37.93	36.58	34.77	34.18	38.43	37.33	40.75	37.87	31	38.11	32.76	37.67	34.17
1	2020	March	Market Pri	3 PM Mkt	39.09	38.76	38.42	40.18	36.91	34.17	31.98	29.28	37.16	42.13	40.22	38.85	39.03	36.33	32.82	36.7	39.09	38.86	38.47	37.93	33.59	34.1	38.76	37.85	40.25	36.88	36.25	37.61	32.7	37.37	38.07
1	2020	March	Market Pri	4 PM Mkt	40.62	38.98	38.48	38.62	38.62	37.55	31.47	29.28	37.49	39.22	38.35	39.09	36.8	36.22	34.08	37.74	37.52	38.94	37.48	31.31	33.96	32.64	37.68	37.42	39.67	38.75	35.83	38.03	31.98	36.88	36.39
1	2020	March	Market Pri	5 PM Mkt	41.71	39.41	38.76	39.58	34.7	34.17	31.98	29.3	34.17	42.67	39.71	38.64	38.19	36.42	34.3	37.42	38.76	38.86	36.88	34.17	34.63	33.09	34.17	38.97	39.79	38.56	31	37.96	32.87	36.7	30.92
1	2020	March	Market Pri	6 PM Mkt	43.79	42.18	39.99	42.49	38.99	37.31	33.77	29.7	36.57	42.54	40.36	42.57	38.25	38.48	36.45	39.46	37.93	39.55	38.76	31.01	36.92	34.77	38.66	37.34	40.24	38.78	34.14	38.15	32.5	37.46	34.17
1	2020	March	Market Pri	7 PM Mkt	44.89	44.93	44.71	44.82	39.96	38.62	38.29	32.19	36.88	45.84	44.09	43.41	38.86	34.77	38.58	40.68	40.1	41.55	39.76	38.53	38.51	37.3	39.55	38.86	41.28	39.2	36.43	38.16	34.09	38.34	37.54
1	2020	March	Market Pri	8 PM Mkt	46.11	45.66	45.05	45.9	45.01	39.03	39.78	35.67	38.86	45.2	45.56	44.49	38.86	38.12	34.77	43.56	42.5	43.42	41.54	38.72	40.67	39.95	40.71	41.17	42.83	39.95	36.46	39.58	37.41	39.07	39.07
1	2020	March	Market Pri	9 PM Mkt	43.06	43.95	43.28	44.44	44.59	36.56	38.9	35.02	38.07	45.25	44.45	43.02	38.86	41.06	34.77	43.02	42.15	41.36	41.52	38.78	39.72	39.83	40.34	39.69	41.15	40.01	34.17	40.18	38.1	39.14	35.78
1	2020	March	Market Pri	10 PM Mkt	40.21	39.85	39.89	42.99	39.58	36.59	37.19	33.96	39.02	43.04	42.24	38.49	37.4	39.58	39.39	39.79	39.97	39.8	39.72	36.78	38.22	38.3	38.36	37.82	39.6	38.25	35.99	39.11	35.51	37.53	34.58
1	2020	March	Market Pri	11 PM Mkt	40.78	40.21	39.77	40.75	34.77	35.51	33.21	30.02	36.58	41.87	35.7	40.21	39.28	37.72	38.11	35.8	39.19	38.42	39.01	37.98	35.04	35.15	39.83	38.5	40.03	37.73	34.77	37.18	33.92	37.19	34.21
1	2020	March	Market Pri	Midnight M	37.73	35.13	34.48	38.38	35.71	31.13	31.72	28.72	31.41	36.77	38.03	33.76	33.33	35.66	32.69	35.84	31.3	36.19	33.88	33.19	33.81	31.84	33.86	31.62	34.81	31.65	30.89	33.66	32.66	31.73	29.23
1	2020	April	Market Pri	1 AM Mkt	29.9	32.02	32.54	32.56	33.2	29.68	31.97	30.05	30.9	31.84	29.82	29.62	28.63	29.73	29.67	30.02	29.85	29.05	28.88	28.02	29.71	29.45	28.93	30.33	29.44	30	28.51	29.44	28.09	29.46	
1	2020	April	Market Pri	2 AM Mkt	30	30.37	31.84	29.92	33.47	29.77	29.8	29.83	29.67	29.9	28.63	29.71	28.77	28.21	29.48	29.91	28.66	27.59	28.62	28.07	27.67	28.26	29.24	28.63	27.28	29.73	28.71	27.99	28.35	29.43	
1	2020	April	Market Pri	3 AM Mkt	30.66	29.7	31.02	30.66	32.9	29.48	29.63	30.5	27.85	31.75	28.61	29.48	28.71	28.34	29.27	27.85	29.27	27.9	28.21	27.84	27.38	28.21	27.24	29.27	27.65	29.68	28.61	27.66	28.71	27.86	
1	2020	April	Market Pri	4 AM Mkt	29.73	30.87	29.73	30	31.6	30.91	28.63	29.41	30	28.67	28.33	28.27	28.2	27.59	29.05	29.44	27.51	26.9	27.65	28.6	27.36	27.59	28.55	27.25	27.19	29.44	29.38	27.59	28.04	29.27	
1	2020	April	Market Pri	5 AM Mkt	29.37	29.73	31.56	30.87	32.18	29.56	29.28	28.25	28.91	29.7	28.01	28.71	27.84	28.22	27.58	29.5	29.5	27.4	28.22	27.58	27.86	27	27.86	28.21	27.52	29.48	28.26	28.21	27.23	28.61	
1	2020	April	Market Pri	6 AM Mkt	31.76	33.6	31.87	29.97	29.53	31.94	30.69	29.73	30.64	29.73	27.32	27.28	29.27	29.09	29.48	31.61	29.67	27.34	26.8	28.28	28.21	28	29.27	28.71	27.12	27.9	31.42	28.63	28.59	30.29	
1	2020	April	Market Pri	7 AM Mkt	36.98	35.72	34.77	34.3	31.72	37.26	36.53	33.64	34.5	32.81	29.73	28.21	33.14	34.12	33.28	36.67	33.8	28.01	28.26	31.7	32.38	30.58	32.61	31.73	28.71	29.27	36.75	35.73	33.05	35.42	
1	2020	April	Market Pri	8 AM Mkt	39.92	39.35	39.17	37.48	31.2	37.62	40.22	37.11	37.48	38.82	31.85	28.27	35.22	37.57	37.18	36.9	37.47	32.42	25.51	35.32	36.11	36.33	35.9	36.06	29.73	28.62	38.28	37.27	36.76	37.45	
1	2020	April	Market Pri	9 AM Mkt	38.63	41.4	40.54	40.49	34.09	38.65	40.26	38.24	38.79	38.21	35.65	29.39	36.17	37.48	37.27	38.22	38.75	34.56	28.44	36.92	36.75	37.33	36.64	37.56	34.3	31.42	37.33	37.55	37.47	39.18	
1	2020	April	Market Pri	10 AM Mkt	41.64	41.29	41.96	41.17	35.66	37.62	37.55	40.08	39.78	39.1	36.4	30.52	37.1	37.33	38.5	38.16	37.47	35.33	29.48	36.1	37.35	38.04	38.23	37.33	36.04	33.62	37.07	37.27	37.54	36.97	
1	2020	April	Market Pri	11 AM Mkt	40.85	41.37	39.15	40.4	37.04	34.41	39.32	38.92	40.05	39.91	36.33	33.39	37.18	38.38	37.61	38.72	37.67	36.41	30.87	37.33	39.74	38.01	37.44	38.87	36.8	33.37	38.24	37.97	37.47	37.45	

1	2020 April	Market Pri Noon Mkt	39.94	41.46	38.9	40.74	34.3	41.95	40.78	40.32	41.61	39.35	35.13	30.87	39.4	39.7	38.89	39.38	36.75	33.73	29.87	37.65	40.75	40.61	38.34	37.26	36.8	31.95	40.85	38.95	38.82	37.32	
1	2020 April	Market Pri 1 PM Mkt	39.94	41.77	40.65	40.47	36.77	41.92	40.78	41.53	41.59	39.08	34.3	34.3	40.35	39.08	38.46	37.25	37.58	33.52	31.82	40.46	40.99	41.2	38.2	37.15	36.79	34.3	40.12	38.69	38.54	38.81	
1	2020 April	Market Pri 2 PM Mkt	40.89	41.6	39.06	35.14	35.98	38.56	40.38	41.61	40.14	37.61	32.55	34.3	40.76	38.7	38.99	37.27	37.18	31.14	31.72	39.4	41.86	41.51	37.47	37.18	35.44	34.2	38.58	37.45	38.24	37.47	
1	2020 April	Market Pri 3 PM Mkt	39.35	39.38	39.54	36.98	35.57	38.27	37.43	41.32	38.87	39.01	31.93	36.72	38.38	38.17	36.75	37.64	37.33	30.87	33.44	37.58	41.75	40.02	38.17	37.42	34.83	34.06	36	37.46	36.62	36.65	
1	2020 April	Market Pri 4 PM Mkt	37.27	39.14	37.65	37.59	35.14	38.31	38.24	37.28	38.84	37.33	32.13	34.85	37.44	37.06	35.93	38.7	35.9	32.51	32.94	37.61	41.42	38.87	37.33	36.33	35.4	32.45	36.01	37.47	37.58	37.47	
1	2020 April	Market Pri 5 PM Mkt	39.21	39.25	38.34	36.07	34.08	36.75	38.41	39.56	38.83	36.47	36.81	34.3	37.12	37.49	37.28	37.18	37.02	35.12	32.72	37.11	40.26	39.87	37.31	37.26	36.2	33.74	36.27	35.9	36.47	36.45	
1	2020 April	Market Pri 6 PM Mkt	39.16	37.72	39.06	36.8	35.77	37.56	37.61	38.99	38.66	37.47	36.54	36.63	37.33	36.75	37.33	37.17	36.71	34.58	34.3	39.1	39.5	41.46	38.17	37.36	36.8	33.15	37.26	36.13	37.07	36.23	
1	2020 April	Market Pri 7 PM Mkt	38.46	38.99	41.41	40.46	33.88	37.26	36.3	37.84	37.64	35.93	34.97	34.3	37.47	37.03	36.32	36.06	35.95	33.97	33.15	37.8	37.97	37.31	37.13	36.92	36.58	34.3	34.74	33.95	35.97	36.58	
1	2020 April	Market Pri 8 PM Mkt	38.78	43.87	39.94	42.17	33.78	37.47	38.03	37.62	38.83	36.27	36.98	36.36	36.6	38.11	34.77	36.37	34.42	34.56	32.04	37.27	38.63	36.76	38.57	36.52	36.67	34.42	33.56	37.26	33.31	37.33	
1	2020 April	Market Pri 9 PM Mkt	40.08	42.98	41.72	41.78	34.3	42.09	38.93	39.38	40.15	37.53	37.04	36.86	40.03	38.78	37.56	39.11	37.28	34.91	33.69	38.95	38.43	38.09	40.07	37.58	36.8	35.81	37.5	37.1	37	39.02	
1	2020 April	Market Pri 10 PM Mkt	38.32	41.27	37.55	41.02	36.74	38.04	39.39	38.15	39.53	37.5	36	36.71	37.53	37.27	37.25	39	37.08	36.29	33.5	38.76	39.18	37.49	37.58	35.82	37.74	30.66	37.61	36.27	37.3	37.5	
1	2020 April	Market Pri 11 PM Mkt	38.03	38.3	39.96	38.12	38.44	40.31	38.89	38.8	37.48	37.71	35.59	35.7	38.81	36.81	38.02	38.8	34.99	34.19	33.39	39.56	37.54	36.58	37.93	35.35	34.63	35.65	37.11	36.28	36.8	38.22	
1	2020 April	Market Pri Midnight M	33.28	35.99	35.58	36.35	33.85	36.11	31.92	34.28	33.62	33.02	31.36	31.12	32.71	28.26	31.97	31.6	30.41	28.89	29.73	32.02	31.36	33.42	31.97	31.72	31.5	31.02	31.5	30.87	32.52	31.57	
1	2020 May	Market Pri 1 AM Mkt	30.17	29.97	28.19	28.66	30.07	30.17	28.95	28.66	28.66	26.95	28.66	29.33	32.4	31.16	30.17	30.17	27.45	28.66	28.53	29.8	30.53	31.97	31.85	28.67	28.73	30.17	30.17	30.17	30.17	29.88	26.95
1	2020 May	Market Pri 2 AM Mkt	28.66	29.57	27.2	28.24	29.6	29.6	28.66	27.7	28.18	26.27	27.36	28.85	29.99	30.21	28.67	29.09	27.06	27.47	28.53	28.68	29.33	28.67	29.31	26.97	27.94	28.99	28.95	28.66	28.7	28.66	26.53
1	2020 May	Market Pri 3 AM Mkt	28.35	28.13	27.6	28.18	29.33	29.33	28.35	27.42	27.34	26.36	27.13	27.85	28.66	28.53	28.34	27.84	26.7	26.94	27.6	28.33	28.42	28.66	28.35	27.15	28.11	28.66	28.66	28.66	28.24	27.77	26.57
1	2020 May	Market Pri 4 AM Mkt	27.89	28.6	27.54	28.24	28.66	28.62	28.15	27	27.2	26.11	27.5	27.05	27.89	27.56	27.18	27.79	26.07	27.03	27.24	27.07	28.19	28.04	27.89	26.9	27.89	27.89	28.6	28.19	26.68	26.94	26.36
1	2020 May	Market Pri 5 AM Mkt	27.89	28.35	27.32	28.44	28.95	28.94	28.53	27.2	27.52	26.36	27.89	26.77	27.71	28.19	27.98	27.97	26.36	27.31	27.24	27.22	27.89	27.89	27.89	26.58	28.27	27.43	28.35	27.45	26.72	27.29	26.34
1	2020 May	Market Pri 6 AM Mkt	28.88	28.66	28.61	31.11	32.13	32.25	29.34	28.53	27.89	26.36	28.35	28.47	29.33	28.66	28.66	27.89	26.36	28.59	28.73	28.66	27.89	28.53	28.35	26.58	29.03	29.3	28.35	28.4	27.81	27.7	26.32
1	2020 May	Market Pri 7 AM Mkt	32.6	29.33	28.19	36.14	37.34	37.62	35.73	32.29	28.5	26.68	30.97	32.37	32.62	31.83	31.82	28.59	26.54	29.37	31.65	31.3	31.86	31.3	28.67	26.54	32.17	31.41	29.43	29.43	27.22	27.71	26.33
1	2020 May	Market Pri 8 AM Mkt	34.96	30.17	28.6	35.29	37.78	39.36	38.73	36.38	28.66	27.09	34.22	36.83	36.67	36.03	35.51	28.66	27.08	33.81	34.07	34.5	35.96	35.58	29.27	27.61	35.54	34.94	33.44	33.85	32.93	28.19	26.96
1	2020 May	Market Pri 9 AM Mkt	36.71	31.16	29.89	36.92	39.74	39.73	37.18	37.06	30.17	28.35	34.99	37.66	37.37	37.14	37.05	30.66	29.07	36.64	36.85	34.96	36.99	37.2	30.68	28.95	38.45	36.14	36.08	36.24	36.12	29.63	28.19
1	2020 May	Market Pri 10 AM Mkt	36.71	34.13	32.1	37	37.78	36.92	38.69	37.19	32.47	29.89	36.82	38.39	36.92	36.79	37.18	33.88	29.42	36.64	36.77	36.85	36.14	37.07	34.13	31.12	40.48	36.53	36.84	36.9	36.47	30.69	29.38
1	2020 May	Market Pri 11 AM Mkt	36.86	35.72	31.15	36.53	39.51	36.71	38.67	36.71	32.62	30.58	39.33	41.03	37.78	39.43	38.87	35.99	29.94	37.05	37.12	36.5	35.99	37.64	35.05	33.84	40.43	37.41	37.07	37.5	36.91	31.4	30.56
1	2020 May	Market Pri Noon Mkt	36.71	34.79	31.02	36.48	36.4	36.87	37.81	37.09	32.25	30.53	40.49	41.47	38.2	36.63	39.51	35.71	30.07	36.54	36.59	38.26	37.33	38.2	35.78	33.85	42.21	38.78	37.56	36.72	37.11	31.08	30.17
1	2020 May	Market Pri 1 PM Mkt	38.24	34.9	30.35	36.72	36.69	36.54	35.96	36.97	33.68	30.17	40.4	42.49	41.3	39.68	40.49	35.71	30.72	35.82	35.99	37.82	38.25	39.88	35.95	34.58	40.91	40.75	37.21	36.61	37.56	34.45	30.17
1	2020 May	Market Pri 2 PM Mkt	37.28	33.86	30.17	38.87	36.69	36.99	37.06	36.85	35	30.17	41.03	43.66	41.97	38.38	41.03	36.13	30.12	35.9	35.99	36.6	40.18	39.03	35.84	35.2	41.1	40.59	36.74	39.21	37.84	34.13	30.48
1	2020 May	Market Pri 3 PM Mkt	36.83	32.25	29.95	36.71	37.18	36.54	36.97	36.42	33.7	30.34	41.03	43.95	42.91	40.79	38.11	35.57	30.17	35.9	38.2	36.28	41.25	36.49	35.99	34.75	41.35	41.03	36.88	39.5	37.28	34.95	30.17
1	2020 May	Market Pri 4 PM Mkt	36.14	32.09	29.63	36.47	37.28	36.14	35.96	36.15	33.01	30.72	39.66	43.94	43.89	40.76	38.09	35.71	30.17	35.29	37.04	36.47	41.91	38.28	36.37	34.13	41.43	40.84	36.51	37.29	36.72	35.26	30.53
1	2020 May	Market Pri 5 PM Mkt	34.58	32.33	29.94	37.28	38.01	35.04	36.14	36.22	34.44	31.98	40.49	43.95	44.51	41.03	39.57	36.13	30.72	35.07	35.99	37.6	41.01	35.98	37.11	36.15	40.41	40.83	36.75	37.58	38.87	34.52	29.89
1	2020 May	Market Pri 6 PM Mkt	34.96	31.97	29.94	36.81	36.64	34.12	35.87	35.68	32.91	32.31	40.99	42.94	44.37	40.48	37.22	35.53	30.53	36.22	36.71	38.99	39.55	36.2	37.28	36.14	41.41	37.09	35.29	36.3	36.45	34.13	31.2
1	2020 May	Market Pri 7 PM Mkt	35.32	31.14	29.89	37.3	36.14	33.85	34.21	34.72	32.25	31.28	37.1	41.28	43.48	39.15	37.78	33.01	30.49	34.28	36.24	38.37	37.12	35.03	36.79	35.41	41.29	36.43	35.15	38.01	36.47	33.58	30.65
1	2020 May	Market Pri 8 PM Mkt	35.56	32.13	31.67	37.97	36.26	33.82	33.85	33.67	32.25	32.21	39.51	38.57	42.19	36.53	36.1	33.54	30.97	34.96	35.96	37.06	39.6	36.06	35.49	35.67	40.23	35.99	36.06	36.08	35.89	33.25	30.56
1	2020 May	Market Pri 9 PM Mkt	36.78	35.24	34.13	36.77	35.29	37.8	36.14	35.76	35.44	34.71	38	40.35	43.41	37.78	36.29	35.2	32.4	33.68	35.29	37.7	41.03	35.96	36.25	36.92	40.34	34.81	35.99	37.26	34.58	32.25	31
1	2020 May	Market Pri 10 PM Mkt	36.47	35.44	35.77	37.78	37.78	37.04	36.96	36.19	34.92	35.64	38.78	40.72	41.87	38.46	37.79	35.6	33.84	37.16	35.96	36.36	40.1	35.35	37.1	36.77	39.7	37.17	36.09	36.3	35.48	35.08	32.52
1	2020 May	Market Pri 11 PM Mkt	35.53	32.25	33.01	36.98	36.95	34.85	36.16	35.43	31.34	33.44	37.85	40.34	39.21	37.78	36.78	30.94	31.48	35.47	35.78	37.54	37.74	37.67	35.22	35.49	37.86	35.87	35.78	37.86	35.47	30.51	30.72
1	2020 May	Market Pri Midnight M	32.2	30.17	30.17	32.25	32.45	30.53	31.36	31.36	28.73	30.1	32.07	35.99	34.45	35	34.13	29.12	29.63	30.17	31.29	32.25	35.47	34.13	30.25	32.25	34.54	33.42	32.51	33.01	31.05	29.34	29.33
1	2020 June	Market Pri 1 AM Mkt	22.51	22.68	24.31	24.46	24.82	24.34	25.51	27.25	29.48	31.84	31.12	34.12	29.63	28.17	28.66	32.94	28.27	25.63	26.31	22.85	24.08	24.88	27.19	28.67	29.21	33.13	34.41	31.12	33.96	38.43	
1	2020 June	Market Pri 2 AM Mkt	21.99	22.54	23.55	23.8	23.67	23.55	24.31	25.37	27.26	27.45	28.69	28.66	27.49	26.01	26.31	28.66	25.67	25.1	24.13	23.89	23.3	23.81	24.83	25.9	26.74	28.86	28.92	28.19	30.65	32.2	
1	2020 June	Market Pri 3 AM Mkt	20.85	22.24	22.91	22.64	22.45	23.11	23.3	25.08	25.34	27.21	26.31	27.07	25.54	24.71	25.6	27.34	25.56	25.09	24.19	22.9	22.67	23.03	23.96	25.14	25.14	27.19	27.6	25.67	28.91	29.93	
1	2020 June	Market Pri 4 AM Mkt	20.39	21.98	22.54	22.59	22.54	22.68	22.67	24.32	24.87	25.31	25.37	25.88	25.14	24.33	24.82	26.31	24.88	24.81	23.99	22.68	22.42	22.68	23.59	24.33	24.9	25.8	25.88	24.91	26.74	28.56	
1	2020 June	Market Pri 5 AM Mkt	19.32	22.28	22.53	22.68	22.73	22.4	22.42	24.32	24.93	24.96	25.37	25.68	24.89	24.08	25	26.36	24.7	24.31	24.08	22.74	22.22	23.03	23.91	23.99	24.93	25.57	25.94	24.46	26.62	28.66	
1	2020 June	Market Pri 6 AM Mkt	20.42	23.03	23.19	23.85	24.15	22.38	22.5	24.86	25.82	25.39	26.6	27.27	24.93	24.31	25.81	27.17	24.92	24.81	24.24	23	22.38	24.06	24.34	24.47	25.14	26.11	25.67	24.46	27.95	31.47	
1	2020 June	Market Pri 7 AM Mkt	19.76	22.41	22.83	24.24	23.76	23.03	22.54	25.54	26.48	28.88	31.27	31.35	25.54	24.22	27.37	27.55	24.87	25.44	23.75	23.11	22.32	23.12	24.27	25.55	26.74	30.09	26.11	24.31	32.66	34.61	
1	2020 June	Market Pri 8 AM Mkt	19.96	24.27	24.65	26.34	26.83	24.31	23.59	33.29	33.67	34.87	36.41	37.12	27.71	24.86	34.87	34.87	30.83	28.3	26.96	24.09	22.83	26.7	27.35	31.43	31.59	36.03	28.19	25.32	36.94	36.94	
1	2020 June	Market Pri 9 AM Mkt	21	26.9	27.43	30.48	31.67	25.94	25.14	37.68	36.99	38.47	38.66	41.46	31.95	26.18	39.27	37.58	35.63	33.85	32.24	25.51	23.81	31.33	33.86	35.73	36.95	39.17	35.35	28.66	42.36	42.07	
1	2020 June	Market Pri 10 AM Mkt	21.94	30.63	32.81	33.48	34.27	29.59	28.67	40.56	40.77	43.91	44.02	45.4	38.37	29.89	44.36	44.97	37.89	35.34	34.83	27.32	25.43	35.15	36.78	38.24	40.04	43.16	39.25	33.94	48.15	47.43	
1	2020 June	Market Pri 11 AM Mkt	22.66	33.51	32.81	34.85	35.01	32.52	31.87	44.42	45.4	48.36	48.92	49.49	39.66	34.14	48.36	50.49	38.41	36.85	35.9	29.48	27.17	37.19	39.67	41.07	43.04	47.78	42.29	39.45	55.88	54.38	
1	2020 June	Market Pri Noon Mkt	23.06	35.09	34.19	34.87	35.75	34.36	35.75	47.93	50.34	52.51	53.43	54.94	41.2	36.63	51.71	57.68	41.4	38.62	36.47	30.17	29.94	38.55	42.56	44.37	45.38	54.56	44.37	41.33	65.47	62.03	
1	2020 June	Market Pri 1 PM Mkt	23.39	35.17	34.55	36.03	35.75	34.75	39.33	51.58	54.62	57.03	54.53	57.75	42.56	39.24	56.71	65.73	42.51	40.67	36.94	31.14	26.36	40.12	44.97	46.84	49.89	62.44	46.22	41.97	74.94	72.24	
1	2020 June	Market Pri 2 PM Mkt	23.49	36.38	34.98	36.49	36.67	35.67	40.34	53.64	59.05	61	66.99	62.19	42	40.86	63.21	75.25	42.43	41.8	38.43	30.63	32.14	41.46	48.55	48.36	54.6	71.06	46.95	46.06	100.56	85.71	
1	2020 June	Market Pri 3 PM Mkt	23.7	35.64	34.87	36.45	36.4	35.77	40.72	54.71	63.87	67.28	70.99	62.92	42.14	40.7	68.34	77.48	44.24	41.83	38.69	31.42	30.78	42.34	49.86	52.94	56.21	79.39	47.94	47.18	112.23	98.51	
1	2020 June	Market Pri 4 PM Mkt	24.05	35.73	34.87	36.42	36.36	36.8	41.68	57.05	65.72	70.91	73.1	63.42	42.89	41.4	74.28	76.77	43.83	42.08	38.24	32.62	33.97	43.86	51.56	54.65	58.59	88.66	49.38	48.88	122.79	104.36	
1	2020 June	Market Pri 5 PM Mkt	24.87	35.45	35.1	36.46	36.38	34.18	42.15	58.22	66.6	69.82	74.39	62.82	43.14	41.24	79.14	74.06	43.96	42.56	38.1	33.63	34.38	44.42	52.51	55.71	63.41	91.29	49.4	49.33	112.4	101.76	
1	2020 June	Market Pri 6 PM Mkt	24.87	34.87	34.87	35.63	35.33	34.18	42.53	56.69	64.62	65.81	70.95	58.2	42.11	42.1	76.87	68.53	42.52	41.85	37.19	33.61	28.45	43.89	52.47	55.69	63.31	81.86	49.38	49.26	102.56	88.47	
1	2020 June	Market Pri 7 PM Mkt	24.87	34.47	33.69	34.87	34.87	31.55	42.38	54.38	58.62	58.76	62.57	56.31	41.09	41.31	68.85	60.71	40.95	40.12	36.25	31.94	36.84	42.16	49.39	51.63	59.18	71.41	47.48	48.36	82.65	71.95	
1	2020 June	Market Pri 8 PM Mkt	25.07	33.34	31.76	33.42	33.83	31.48	41.49	50.23	55.07	52.61	55.66	50.48	40.7	40.96	60.25	51.37	38.49	37.08	34.99	31.82	32.6	40.89	46.3	45.62	52.86	60.89	45.98	46.97	70.68	63.52	
1	2020 June	Market Pri 9 PM Mkt	24.64	33.19	32.63	34.21	33.3	36.31	40.78	47.58	51.95	49.7	53.41	47.23	39.44	40.15	54.99	48.42	37.86	36.84	31.99	31.17	33.02	39.54	44.25	43.52	50.11	54.77	44.93	46.03	64.29	57.95	
1	2020 June	Market Pri 10 PM Mkt	25.17	33.14	33.23	34.58	33.24	36.43	40.5	45.04	50.37	47.99	52.18	45.6	39.5	41.65	52.65	45.38	37.44	36.1	32.58	32.49	35.2	38.6	41.41	42.11	48.22	51.97	44.52	46.23	58.45	55.16	
1	2020 June	Market Pri 11 PM Mkt	24.86	30.6	28.66	33.02	31.76	35.72	39.24	40.98	42.77	41.89	41.85	41.71	39.28	39.11	42.1	40.08	34.33	35.57	32.88	29.89	32.2	36.67	39.94	39.36	43.19	43.94	42.37	44.13	45.42	45.04	
1	2020 June	Market Pri Midnight M	24.06	25.94	25.67	28.19	27.25	28.19	31.75	34.95	37.61	36.65	40.22	36.96	34.06	34.34	38.03	35.55	28.67	31.17	26.68	26.26	27.28	31.81	35.5	34.35	39.98	40.6	37.72	38.69	41.48	40.61	
1	2020 July	Market Pri 1 AM Mkt	37.61	33.04	35.36	28.61	25.53	27	28.55	29.56	29.68	30.43	29.85	28.67	31.66	34.88	35.77	34.48	36.49	37.53	34.48	38.21	35.96	36.84	38.63	39.35	38.37	30.55	40.56	41.42	39.2	29.64	30.54
1	2020 July	Market Pri 2 AM Mkt	33.39	29.64	30.69	25.34	24.32	24.54	25.57	26.15	26.61	26.9	26.75	25.67	27.65	31.35	31.35	30.99	32.67	32.29	30.62	34.48	33.53	34.21	31.76	30.43	35.19	29.95	34.48	38.64	33.96	25.6	27.36
1	2020 July	Market Pri 3 AM Mkt	30.37	30.18	28.12	24.31	23.03	23.85	24.84	25.15	25.15	25.15	24.75	24.42	25.99	27.18	29.5	28.54	28.66	28.66	27.9	32.2	31.36	32.1	33.74	33.04	31.08	28.66	34.48	32.29	32.85	25.17	25.44
1	2020 July	Market Pri 4 AM Mkt	28.54	29.05	27.34	23.81	23.01	22.96	24.31	24.5	24.53	24.31	24.11	24.1	25.15	26.09	27.13	27.36	27.29	26.58	26.37	30.15	28.66	30.16	32.14	33.13	29.9	26.94	32.19	33.72	30.09	25.15	24.96
1	2020 July	Market Pri 5 AM Mkt	28.56	28.72	26.95	23.71	22.87	22.71	24.32	24.57	24.46	24.34	23.43	23.43	25.36	26.11	27.41	27.32	27.9	25.97	25.93	30.18	27.62	30.18	32.08	30.94	27.54	26.21	33.49	32.29	29.9	25.15	25.23
1	2020 July	Market Pri 6 AM Mkt	29.34	30.18	27.32	22.73	22.38	22.89	24.46	25.15	25.15	25.15	23.4	22.96	26.12	27.45	29.01	28.66	29.16	26.14	25.67	32.29	29.57	31.08	32.92	32.14	27.64	25.94	33.46	30.58	31.08	23.6	25.86
1	2020 July	Market Pri 7 AM Mkt	35	34.42	28.79	23.56	22.33	20.27	24.88	26.54	26.25	26.39	23.45	22.72	30.43	33	34.14	33.68	33.46	26.57	25.21	36.65	34.21	34.36	35.54	34.76	24.88	25.49	37.87	37.36	33.12	26.91	26.91
1	2020 July	Market Pri 8 AM Mkt	38.18	38.2	34.22	23.97	22.64	21.11	30.18	30.75	31.55	30.07	25.05	24.08	34.43	35.87	37.42	37.34	37	29.41	27.14	39.83	37.5	37.13	38.6	38.31	32.29	27.2	41.06	39.67	36.99	30.82	30.75
1	2020 July	Market Pri 9 AM Mkt	42.48	42.05	36.86	26.12	24.43	23.06	34.43	34.44	35.68	35.03	29.96	26.78	37.54	39.67	38.99	41.03	40.1	34.48	32.29	45.33	42.55	42.72	44.43	43.68	35.71	32.1	46.73	46.66	38.6	35.51	35.01
1	2020 July	Market Pri 10 AM Mkt	46.97	47.73	39.15	29.9	26.44	27.29	37.48	36.24	37.27	37.29	35.51	32.29	41.85	44.17	42.79	45.8	45.2	39.29	37.38	53.26	49.32	48.68	52.93	50.28	40.21	38.64	53.38	54.98	41.86	37.34	37.28
1	2020 July	Market Pri 11 AM Mkt	53.4	53.2	43.46	33.04	30.6	32.36	40.16	38.5	40.16	39.58	38.06	36.74	47.06	49.54	47.4	50.01	51.51	41.26	40.75	64.38	58.02	58.36	63.45	59.07	41.97	42.54	66.69	65.24	44.45	40.3	40.1
1	2020 July	Market Pri Noon Mkt	59.56	62.95	47.47	33.78	35.53	35.44	44.61	42.38	44.19	42.59	40.02	40.02	55.41	55.8	53.24	56.66	57.52	43.74	43.32	78.74	68.36	64.93	77.22	68.76	43.95	44.89	92.41	84.35	45.99	44.54	43.58
1	2020 July	Market Pri 1 PM Mkt	66.77	72.13	50.08	35.68	36.71	37.4	47.91	44.38	46.88	45.83	42.26	41.9	60.69	61.04	57.35	64.93	66.94	45.29	46.02	105.21	82.1	77.94	102.35	87.33	46.01	45.87	154.55	118.72	46.04	46.81	46.31
1	2020 July	Market Pri 2 PM Mkt	75.09	82.45	53.57	36.34	37.42	38.52	51.12	48.4	50.76	47.2	42.78	43.23	68.07	66.54	63.75	73.71	74.46	47.01	48.03	144.3	101.02	109.46	153.53	119.73	47.11	47.61	196.57	172.53	46.66	49.18	49.33
1	2020 July	Market Pri 3 PM Mkt	79.88	92.54	54.8	38.45	38.54	38.55	55.29	49.84	52.28	47.08	43.07	43.86	77.13	52.19	66.93	81.02	80.08	48.36	48.59	153.03	111.55	131.77	173.05	142.44	47.65	48.99	230.62	152.42	48.33	52.03	52.44
1	2020 July	Market Pri 4 PM Mkt	85.78	95.82	53.96	38.58	38.99	38.82	55.14	51.65	53.17	47.58	43.67	44.57	83.95	75.56	68.78	80.32	78.31	48.06	48.73	172.93	118.21	128.37	255.86	156.15	47.88	50.05	264.55	193.85	47.42	53.49	52.89
1	2020 July	Market Pri 5 PM Mkt	87.38	96.35	53.14	39.03	39.64	38.04	55.13	53.19	53.08	47.89	44.14	45.66	87.37	74.86	68.65	80.39	77.16	48.44	49.32	142.87	122.22	138.26	182.05	161.96	48.76	50.81	277.89	156.89	47.3	54.53	53.19
1	2020 July	Market Pri 6 PM Mkt	77.25	83.83	50.56	38.86	39.74	38.01	53.54	52.94	52.5	46.81	44.69	45.87	83.41	69.09	66.05	76.42	74.07	48.6	49.44	144.99	109.21	130.04	134.48	110.74	49.01	51.4	232.52	141.74	45.69	54.93	51.91
1	2020 July	Market Pri 7 PM Mkt	69.91	70.8	44.78	38.52	40.69	37.38	50.18	51.29	48.85	44.45	43.92	45.79	73.24	61.62	62.73	70.75	65.46	47.64	48.93	109.66	98.57	106.89	121.36	98.4	48.1	51.34	171.57	101.97	44.56	51.69	47.33
1	2020 July	Market Pri 8 PM Mkt	62.93	65.38	42.3	37.54	38.64	36.56	45.9	47.44	45.87	42.15	43.11	44.21	62.96	55.94	56.85	63.25	58.7	45.68	47.6	89.98	76.48	90.27	96.68	82.03	46.08	50.15	111.35	77.04	42.69	48.38	44.76
1	2020 July	Market Pri 9 PM Mkt	60.11	60.09	38.79	35.2	37.76	34.06	43.88	44.41	43.63	39.26	42.19	43.38	58.06	52.21	53.96	57.66	53.7	43.8	47.44	75.01	67.6	80.11	84.18	64.64	44.18	49.64	113.34	72.33	42.39	45.71	42.81
1	2020 July	Market Pri 10 PM Mkt	56.52	55.51	37.55	34.68	37.64	33.49	41.49	43.45	41.99	39.45	42.17	43.04	53.11	49.49	51.45	53.76	51.6	43.05	46.79	64.78	63.5	72.08	73.84	64.34	43.93	49.66	82.65	64.39	42.5	42.98	41.76
1	2020 July	Market Pri 11 PM Mkt	44.86	43.3	36.31	32.29	35.37	35.95	38.25	39.32	39.54	38.62	38.77	42.06	42.1	41.74	43.48	43.51	43.04	41.99	44.81	45.54	44.07	47.83	48.42	46.26	43.21	47.32	49.02	46.94	39.35	38.54	38.44
1	2020 July	Market Pri Midnight M	41.87	40.18	33.85	25.61	32.73	34.77	33.6	35.97	36.47	34.47	33.26	37.93	38.37	39.5	40.21	40.51	40.48	38.99	41.71	40.35	40.8	42.52	42.86	41.34	39.13	43.97	41.75	42.06	33.7	35.66	34.61
1	2020 August	Market Pri 1 AM Mkt	26.81	26.76	29.92	31.64	35.24	38.67	34.82	27.03	27.28	29.82	32.32	34.22	33.91	31.5	32.89	27.9	26.35	26.91	27.07	30.14	30.78	31.04	29.01	26.93	25.5	25	26.63	26.36	26.87	25.52	26.11
1	2020 August	Market Pri 2 AM Mkt	24.78	25.37	26.44	28.68	32.79	35.03	29.36	24.35	25.18	26.77	27.7	29.36	30.23	29.56	28.68	26.13	25.58	25.48	25.59	27.02	25.86	27.9	26.31	25.61	24.7	24.35	25.11	24.93	25.11	24.41	24.9
1	2020 August	Market Pri 3 AM Mkt	24.33	24.35	25.33	26.75	29.36	30.2	26.39	24.83	24.35	25.82	25.91	26.55	27.24	25.16	26.39	25.46	24.91	25.5	24.62	25.46	26.46	25.88	25.4	24.48	24.33	24.1	23.98	24.35	24.35	24.03	24.48
1	2020 August	Market Pri 4 AM Mkt	24.1	23.94	24.84	25.96	26.65	28.48	25.68	24.5	24.1	24.9	25.35	25.62	26.1	26.33	25.82	24.72	24.7	25.16	24.33	24.86	25.78	25.68	25.16	24.48	24.1	23.55	23.73	23.83	24.1	23.57	24.35
1	2020 August	Market Pri 5 AM Mkt	23.91	23.68	24.67	25.95	26.12	27.66	25.12	24.48	24.07	25.16	25.46	25.54	25.92	25.48	24.35	24.66	24.72	25.13	24.48	24.88	25.93	25.13	24.82	24.72	23.05	23.57	23.8	24.08	23.84	23.17	24.48
1	2020 August	Market Pri 6 AM Mkt	23.91	23.68	25.58	27.21	27.17	29.16	26.31	24.48	24.06	25.68	26.24	26.37	27.14	26.39	24.35	24.75	25.44	25.75	24.81	25.96	27.14	25.47	24.48	25.12	24.84	24.35	24.48	24.99	24.1	23.46	24.97
1	2020 August	Market Pri 7 AM Mkt	23.83	23.68	26.96	31.51	31.92	34.51	28.82	24.48	24.07	27.8	31.76	32.36	31.06	29.44	25.57	24.35	26.92	27.26	26.67	28.26	30.56	25.82	24.79	25.57	25.82	25.57	25.57	26.95	24.33	23.5	24.09
1	2020 August	Market Pri 8 AM Mkt	24.42	24.03	32.8	34.74	36.22	37.12	33.72	24.86	24.16	32.96	34.45	34.84	34.64	34.27	25.16	24.88	28.85	29.92	29.46	32.28	35.02	25.12	24.79	29.31	26.93	26.96	27.27	30.05	24.89	23.88	29.24
1	2020 August	Market Pri 9 AM Mkt	25.77	25.16	35.84	38.78	39.75	40.35	38.06	24.35	25.39	36.75	38.06	38.29	37.88	38.06	29.92	25.68	33.57	34.53	34.43	35.5	38.43	30.59	26.94	32.81	29.75	28.38	32.62	34.72	26.58	24.99	33.77
1	2020 August	Market Pri 10 AM Mkt	29.71	29.75	39	44.19	47.22	45.97	39.89	30.58	30.04	40.6	39.44	42.19	41	43.22	36.02	25.95	37.46	37.53	37.47	38.1	40.04	36.1	31.18	35.89	33.36	33.17	34.47	37.11	30.9	27.12	36.58
1	2020 August	Market Pri 11 AM Mkt	33.92	34.14	44.57	54.74	58.37	55.15	43.84	36.03	35.62	45.22	46.41	49.85	47.39	51.15	38.69	32.32	40.89	39.41	41.13	41.34	45.15	40.81	35.81	38.85	36.8	36.74	36.94	39.08	35.72	32.17	38.54
1	2020 August	Market Pri Noon Mkt	36.27	36.73	51.75	64.39	73.85	70.01	48.09	38.7	37.7	51.21	51.06	60.1	56.62	61.03	43.02	31.7	44.68	43.49	46.14	46.24	48.63	42.58	40.46	42.51	37.53	38.12	39.03	39.7	29.97	35.96	40.82
1	2020 August	Market Pri 1 PM Mkt	37.35	38.61	59.7	76.62	99.5	91.93	54.15	39.65	38.9	58.1	59.74	68.38	66.65	75.58	46.41	35.94	48.15	44.68	49.68	52.6	53.4	43.74	41.26	45.22	38.79	39.68	41.4	43.25	37.68	36.83	43.27
1	2020 August	Market Pri 2 PM Mkt	38.53	41.23	70.9	107.42	156.64	116.27	59.77	40.6	42.27	67.72	71.12	86.42	84.21	102.88	48.59	37.66	45.92	47.07	55.4	56.34	55.19	44.16	43.21	47.51	40.83	42.72	44.36	44.79	38.29	39.79	45.56
1	2020 August	Market Pri 3 PM Mkt	40.34	42.93	86.51	139.3	190.3	133.33	62.26	41.68	42.45	73.31	78.85	98.66	85.76	136.62	49.3	40.8	52.55	47.83	60.3	58.94	58.38	47.95	43	49.45	40.99	43.9	46.86	46.03	39.63	41.81	46.97
1	2020 August	Market Pri 4 PM Mkt	41.71	43.19	105.65	154.61	187.48	129.22	61.1	42.71	43.45	76.04	83.26	111.63	101.55	115.37	50.41	41.28	52.12	47.95	64.18	60.52	60.34	48.21	44.21	49.67	42.06	44.67	46.92	46.27	39.29	43.11	47.47
1	2020 August	Market Pri 5 PM Mkt	42.02	43.54	116.27	165.1	200.84	131.64	60.5	42.66	43.86	75.08	85.42	118.03	104.08	120.18	50.57	41.01	52.06	47.05	65.72	61.96	62.98	48.43	44.49	48.8	41.4	45.29	47.79	46.08	39.08	42.94	47.87
1	2020 August	Market Pri 6 PM Mkt	42.42	43.89	112.65	151.21	183.69	111.12	58.03	42.35	44.09	71.82	80.76	100.37	93.65	99.68	48.57	40.8	50.42	46.83	64.15	60.15	59.54	48.31	44.32	47.29	40.62	45	46.97	44.35	41.28	42.1	47.28
1	2020 August	Market Pri 7 PM Mkt	42.35	43.76	88.67	110.51	133.98	99.56	51.67	41.26	43.66	65.34	68.67	87.67	79.29	73.76	46.41	39.2	48.44	45.34	59.11	55.58	56.51	45.88	44.72	45.34	39.54	42.87	43.74	40.97	38.31	41.63	45.6
1	2020 August	Market Pri 8 PM Mkt	39.95	42.98	71.32	85.48	104.72	73.59	45.76	39.61	42.98	58.45	60.19	70.22	61.47	63.95	42.94	41.36	46	43.35	53.76	53.14	52.86	43.98	42.27	41.4	37.76	40.17	40.89	39.4	35.26	39.93	44.1
1	2020 August	Market Pri 9 PM Mkt	39.66	42.71	63.03	73.06	88.85	67.32	43.2	38.63	41.97	55.3	56.17	64.67	57.7	58.36	42.22	38.22	45.52	43.37	50.87	51.95	51.06	43.76	41.4	42.87	38.09	38.77	42.15	39.38	38.51	40.81	44.38
1	2020 August	Market Pri 10 PM Mkt	37.79	41.35	57.62	63.28	71.23	58.77	41.01	38.6	42.06	50.28	50.77	57.51	52.07	53.9	41.03	36.41	43.42	40.73	46.07	46.81	46.2	43.19	41.63	39.03	36.69	38.68	38.88	39.02	32.32	38.2	41.09
1	2020 August	Market Pri 11 PM Mkt	36.05	38.7	43.49	44.33	46.85	43.38	36.77	36.94	39.97	42.57	42.72	42.96	42.13	42.97	36.51	32.76	38.47	37.3	39.63	41.29	41.84	38.61	35.11	35.76	33.85	36.16	35.83	35.53	33.97	34.66	36.37
1	2020 August	Market Pri Midnight M	31.7	33.04	38.62	39.71	42.09	38.31	31.19	31.05	34.38	38.55	33.7	38.62	37.75	36.19	31.54	28.16	30.91	30.21	35.36	36.64	35.44	33.92	30.2	27.93	27.45	30.2	29.81	26.85	28.63	27.7	29.64
1	2020 September	Market Pri 1 AM Mkt	28.71	29.38	29.38	28.23	27.42	26.42	25.97	26.35	28.54	29.74	28.72	29.85	28.67	28.72	29.95	31.71	29.68	27.92	27.49	26.42	27.78	28.72	29.5	30.62	29.95	25.65	27.33	25.52	26.83	27.68	
1	2020 September	Market Pri 2 AM Mkt	27.92	28.3	27.73	27.03	26.17	25.59	25.56	25.49	27.98	27.92	27.25	27.88	27.07	27.55	28.18	29.38	28.25	27.92	25.18	25.73	27.09	27.92	27.92	28.72	27.77	26.55	26.42	27.13	26.17	26.84	
1	2020 September	Market Pri 3 AM Mkt	26.63	28.25	26.89	26.24	25.58	25.71	25.61	25.64	27.44	27.62	26.38	27.3	26.28	26.42	26.92	28.04	27.31	27.13	26.18	25.72	26.13	26.59	27.92	28.04	27.09	26.31	26.08	26.42	25.95	26.17	
1	2020 September	Market Pri 4 AM Mkt	26.42	27.92	26.31	26.16	25.88	25.64	25.35	25.39	27.13	26.42	26.77	26.42	25.6	26.02	26.39	27.92	26.65	27.31	26.16	25.63	25.88	26.39	27.36	27.22	27.48	26.13	25.85	25.95	25.7	25.92	
1	2020 September	Market Pri 5 AM Mkt	26.39	27.92	25.97	26.18	25.71	25.31	25.17	25.38	26.83	26.27	26.89	26.23	25.6	26.1	26.11	27.5	26.57	26.91	25.91	25.62	26.04	26.38	27.13	26.42	27.22	25.94	25.65	26.16	25.85	26.05	
1	2020 September	Market Pri 6 AM Mkt	27.15	28.25	26.44	26.56	25.71	25.44	25.14	25.7	27.72	27.05	27.38	26.38	25.66	26.84	27.14	28.74	27.59	27.77	26.02	25.58	26.41	26.84	27.92	27.67	27.92	26.29	25.77	26.81	26.18	26.92	
1	2020 September	Market Pri 7 AM Mkt	27.51	31.08	26.95	26.86	25.65	25.7	25.61	25.6	29.5	28.84	30	26.85	25.72	29.1	31	33.39	27.71	29.2	26.37	25.85	26.95	28.73	28.56	30.75	31.18	26.42	25.92	26.96	25.6	28.19	
1	2020 September	Market Pri 8 AM Mkt	32.71	35.58	30.76	31.11	26	25.57	25.82	27.68	33.8	33.75	34.12	27.11	26.42	32.65	33.06	35.4	32.89	35.39	26.81	26	30.82	32.71	34.53	34.43	35.23	27.37	26.76	32.48	26.85	30.88	
1	2020 September	Market Pri 9 AM Mkt	34.11	37.83	35.05	34.4	26.65	26.19	25.91	31.95	35.23	35.39	35.3	28.72	27.42	34.86	35.45	35.52	34.74	36.35	28.04	26.51	32.91	33.7	35.25	35.06	35.22	28.25	28.12	34.17	26.95	33.25	
1	2020 September	Market Pri 10 AM Mkt	38.19	38.9	35.7	37.76	29.54	27.5	27.92	35.06	35.65	35.65	38.89	32.19	29.68	37.13	37.66	39.08	38.64	38.05	29.98	28.25	32.11	35.22	36.34	38.29	38.85	30.7	29.04	35.22	31.93	35.22	
1	2020 September	Market Pri 11 AM Mkt	39.19	40.03	39.57	39.06	32.62	29.38	29.95	36.05	39.34	39.24	39.23	37.88	34.26	39.06	40.04	41.2	39.28	39.42	32.96	29.85	35.39	37.94	39.42	39.99	39.01	34.46	31.23	38.6	34.57	35.27	
1	2020 September	Market Pri Noon Mkt	40.57	42.92	39.15	40.92	35.11	30.65	33.09	39.24	39.73	40.23	40.03	39.9	38.05	41.21	43.67	43.96	41.57	40.26	34.62	32.27	38.04	39.67	40.78	41.8	39.75	35.81	33.51	39.06	35.42	35.53	
1	2020 September	Market Pri 1 PM Mkt	42.39	44.13	41.03	43.42	37.08	33.09	35.8	40.13	41.71	41.56	41.43	41.1	39.12	44.56	47.57	45.19	44.44	41.26	36.56	34.8	39.2	40.08	43.27	44.44	42.1	33.65	35.82	37.48	35.24	38.59	
1	2020 September	Market Pri 2 PM Mkt	43.83	44.84	45.5	45.35	38.3	35.68	32.62	42.07	44.47	44.32	44.81	43.4	40.98	48.83	52.5	46.66	46.69	43.53	36.77	36.48	41.58	43.81	45.67	46.71	44.57	38.99	36.96	36.8	38.32	39.43	
1	2020 September	Market Pri 3 PM Mkt	44.22	46.4	47.31	46.68	37.16	36.4	36.93	44.81	46.12	46.1	46.67	44.39	42.95	53.24	57.86	48.61	47.09	43.63	36.6	34.68	45.34	45.71	48.48	49.25	45.24	39.35	36.64	39.96	38.9	39.42	
1	2020 September	Market Pri 4 PM Mkt	43.94	47	48.06	48.08	39.39	32.19	38.67	45.81	47.2	47.35	48.33	44.72	43.38	56.65	60.62	49.44	48.06	43.3	36.24	35.8	47.99	48	51.48	51.41	45.9	39.67	36.94	38.36	39.19	39	
1	2020 September	Market Pri 5 PM Mkt	44.01	47.98	49.33	47.99	39.63	36.48	39.52	46.77	48.67	47.63	48.96	44.7	43.83	59.27	63.94	50.37	47.65	43.01	35.81	38.85	50.04	49.1	53.62	51.68	45.23	39.49	37.9	39.43	39.4	39.19	
1	2020 September	Market Pri 6 PM Mkt	43.8	47.15	48.81	47.43	39.15	36.83	39.74	46.68	47.91	46.68	47.89	44.17	45.01	58.9	61.12	49.68	46.58	40.28	36.75	39.46	49.12	47.62	51.98	50	42.15	39.24	36.7	39.2	39.06	39.7	
1	2020 September	Market Pri 7 PM Mkt	41.88	46.49	46.31	44.84	39.17	36.38	39.17	44.54	46.33	44.78	45.34	43.68	43.49	55.03	55.08	47.54	44.93	39.06	36.92	38.66	46.11	44.9	48.28	47.36	39.71	37.35	38.6	39.15	37.98	38.39	
1	2020 September	Market Pri 8 PM Mkt	43.52	44.52	44.69	41.84	37.93	36.02	38.63	43.02	44.42	43.67	42.74	42.96	43.3	51.43	52.01	46.69	45.24	38.55	36.08	39.5	44.91	44.42	46.46	46.71	38.86	39.68	38.87	39.42	38.75	39.12	
1	2020 September	Market Pri 9 PM Mkt	43.9	44.5	44.67	39.35	37.26	32.62	39.47	42.82	43.97	43.34	41.87	42.45	41.3	51.29	51.12	46.66	46.28	38.67	37.16	39.29	44.79	43.6	44.99	46.67	38.86	39.56	39.22	39.42	39.24	39.32	
1	2020 September	Market Pri 10 PM Mkt	41.5	42.24	41.46	37.99	35.53	32.14	35.48	39.88	40.08	39.81	39.86	39.71	39.62	45.24	45.78	43.87	41.08	34.65	34.82	37.02	40.77	38.55	40.26	41.68	35.22	36.57	36.39	37.27	35.42	38.67	
1	2020 September	Market Pri 11 PM Mkt	39.55	38.62	39.08	35.39	30.72	29.87	31.92	39.21	39.44	38.08	39.47	38.76	37.66	40.43	39.1	39.95	36.7	33.09	30.22	32.62	37.72	37.64	38.38	40.41	34.61	31.73	32.04	33.09	32.35	34.43	
1	2020 September	Market Pri Midnight M	31.8	32.5	30.58	29.67	28.24	27.75	28.87	32.19	33.09	32.22	34.49	32.35	33.09	35.8	36.72	34.06	30.22	28.82	28.36	29.46	33.09	32.35	35.97	34.96	29.95	29.04	29.04	28.26	28.58	29.04	
1	2020 October	Market Pri 1 AM Mkt	30.64	27.61	28.34	27.83	33.9	36.63	35.49	33.49	28.79	28.28	26.42	28.08	28.14	28.34	28.54	28.22	28.52	27.01	27.94	28.07	28.37	29.35	28.7	28.79	27.94	28.34	28.79	29.51	29.56	28.78	29.57
1	2020 October	Market Pri 2 AM Mkt	28.23	27.06	27.31	26.6	30.06	30.28	30.29	30.36	27.75	27.24	25.79	27.44	27.48	27.3	28.22	27.46	27.07	26.21	27.35	27.1	27.11	27.94	27.01	27.75	26.97	28.09	28.7	28.12	28.35	28.31	29.35
1	2020 October	Market Pri 3 AM Mkt	27.81	25.75	26.25	26.21	28.74	28.58	28.4	28.34	26.64	27.1	25.39	26.99	26.7	27.07	27.43	26.86	27.19	25.76	27.06	26.09	26.7	27.16	26.7	27.61	26.84	28.14	27.58	28.09	28.74	27.67	29.07
1	2020 October	Market Pri 4 AM Mkt	26.86	25.74	26.21	25.39	28.91	28.34	28.76	27.67	27.08	26.6	25.24	26.59	26.21	26.63	26.7	26.34	26.98	25.39	27.1	25.73	26.69	26.78	26.66	27.61	26.57	27.62	27.56	27.94	28.59	27.78	28.93
1	2020 October	Market Pri 5 AM Mkt	26.52	25.79	25.88	25.12	29.77	29.37	28.79	28.2	26.7	27.11	25.15	26.92	26.4	27.52	26.89	26.47	26.51	25.31	27.57	26.17	26.79	26.97	26.88	27.13	27.19	28.33	27.94	28.74	28.7	27.83	28.79
1	2020 October	Market Pri 6 AM Mkt	27.61	26.5	25.97	25.39	30.95	31.8	31.49	29.54	27.67	26.91	25.39	28.14	28.09	28.28	27.67	26.88	27.07	25.39	28.28	27.67	27.94	28.29	27.29	27.32	26.76	30.31	32.58	30.77	30.95	29.35	29.35
1	2020 October	Market Pri 7 AM Mkt	35.23	31.33	27.07	25.58	37.49	37.27	37.39	35.98	32.77	27.67	25.92	33.88	33.31	34.33	35.85	31.31	27.39	25.57	35.87	34.63	34	35.7	32.53	27.66	26.39	37.23	37.08	37.39	37.39	35.97	30
1	2020 October	Market Pri 8 AM Mkt	36.99	36.14	27.67	27.34	40.19	37.68	37.58	37.17	36.26	29.35	26.81	37.26	37.05	37.39	37.28	36.29	27.8	26.42	38.13	37.37	36.86	36.87	36.75	29.27	27.62	40.3	39.16	39.16	39.53	37.54	32.65
1	2020 October	Market Pri 9 AM Mkt	36.98	36.14	29.81	28.23	38.56	39.63	39.61	37.64	36.88	31.83	27.94	37.51	37.05	37.15	37.29	37.07	28.77	27.49	38.56	37.29	37.39	37.01	37.39	31.83	28.7	39.53	39.32	40.19	40.85	39.63	36.74
1	2020 October	Market Pri 10 AM Mkt	37.2	37.15	32.29	32.21	40.52	39.71	38.31	39.55	37.3	34.41	29.57	37.38	37.37	37.57	38.1	37.17	31.79	28.79	39.09	37.3	36.99	37.25	37.18	36.07	30.02	40.66	40.36	39.98	39.91	40.26	38.15
1	2020 October	Market Pri 11 AM Mkt	37.42	37.04	37.88	36.98	40.75	40.56	39.9	40.62	37.17	36.2	29.81	37.58	37.21	37.41	37.07	37.17	37.21	30.28	38.5	37.46	37.37	39.53	37.4	36.46	31.83	40.19	40.3	37.34	40.33	37.36	39.07
1	2020 October	Market Pri Noon Mkt	38.2	37.12	37.35	38.88	42.18	41.47	40.65	40.85	37.1	36.84	29.89	37.56	37.72	37.17	37.58	37.33	37.08	31.45	40.62	38.03	37.27	39.17	37.3	37.89	33.75	40.83	39.2	37.17	39.45	37.35	36.76
1	2020 October	Market Pri 1 PM Mkt	39.53	37.03	38.55	38.93	42.66	42.37	41.23	40.85	37.32	35.13	30.28	37.53	37.6	37.49	39.37	37.31	36.47	32.64	39.33	39.06	37.17	40.23	37.05	36.81	33.31	40.36	39.3	36.91	40.08	37.31	33.54
1	2020 October	Market Pri 2 PM Mkt	39.18	37.17	38.56	39.28	43.62	43.58	42.73	41.44	37.41	29.64	29.89	39	37.21	37.74	40.19	37.17	38.87	32.21	39.12	37.93	37.6	40.3	37.4	34.19	31.49	40.63	39.4	37.16	37.54	36.21	30.95
1	2020 October	Market Pri 3 PM Mkt	40.29	37.39	38.49	40.79	44.59	44.24	44.56	41.44	36.92	28.25	29.81	37.17	37.53	39.35	38.58	37.24	36.46	30.95	38.79	38.61	37.49	38.29	36.97	33.1	30.95	39.98	37.27	38.05	37.49	35.82	30.09
1	2020 October	Market Pri 4 PM Mkt	39.35	37.1	38.91	39.47	45.27	44.58	44.66	41.44	36.45	31.3	29.74	37.87	37.17	37.52	37.59	39.28	36.64	28.7	39.63	37.17	39.16	38.26	37.04	33.46	31.53	39.63	37.32	37.38	39.53	35.78	29.55
1	2020 October	Market Pri 5 PM Mkt	39.53	37.15	38.39	40.44	45.64	44.57	44.51	41.44	37.04	31.83	29.79	37.68	37.49	37.56	40.19	37.28	36.01	32.9	39.25	39.27	38.55	39.2	37.29	32.9	31.39	40.2	37.17	37.1	37.29	35.7	28.79
1	2020 October	Market Pri 6 PM Mkt	37.26	37.28	40.77	41.57	45.17	44.77	44.5	42.16	36.93	33.42	32.66	38.26	37.57	37.5	38.21	37.33	38.78	36.37	39.23	38.51	39.34	39.53	37.13	34.15	34.21	40.22	38.89	37.14	37.33	36.9	29.99
1	2020 October	Market Pri 7 PM Mkt	37.3	36.96	41.42	41.84	44.31	44.15	43.81	40.97	36.47	35.83	35.22	38.37	38.28	38.56	37.27	37.17	36.88	38.51	39.95	39.87	39.37	40.71	38.52	36.61	39.02	40.66	40.87	39.19	38.21	36.83	32.19
1	2020 October	Market Pri 8 PM Mkt	39.63	37.11	40.98	41.85	44.75	44.52	44.55	40.94	37.32	36.84	37.95	39.4	40.3	39.96	38.54	37.54	38.61	39.84	39.38	39.4	39.53	39.54	37.68	38.37	40.49	40.49	40.85	40.62	40.14	37.31	35.48
1	2020 October	Market Pri 9 PM Mkt	37.61	37.01	40.56	42.25	43.38	43.58	42.34	40.87	36.8	36.45	38.34	40.34	39.11	39.56	39.98	37.26	38.83	40.13	40.19	40.24	38.95	40.51	37.32	37.04	40.26	40.49	40.32	39.59	40.65	37.33	35.89
1	2020 October	Market Pri 10 PM Mkt	37.38	36.81	38.55	41.68	41.37	41.54	41.53	40.35	36.99	28.74	36.38	37.31	37.3	37.39	37.46	36.85	34.11	37.53	37.39	37.4	39.3	37.34	37.17	34.38	37.99	40.36	39.98	39.53	37.58	36.96	32.5
1	2020 October	Market Pri 11 PM Mkt	34.94	35.17	33.28	41.29	41.77	41.93	41.8	40.36	29.57	29.81	33.71	35.73	37.59	39.95	38.07	34.9	29.78	35.67	36.76	38.87	38.89	38.33	35.24	29.92	35.85	36.88	38.29	37.98	36.2	34.2	29.57
1	2020 October	Market Pri Midnight M	29.04	29.35	29.67	37.85	40.02	39.99	38.95	32.93	29.35	28.11	29.78	29.44	30.57	31.24	30.09	29.49	28.26	28.6	31.26	31.14	32.31	32.78	30.22	28.73	28.58	30.95	32.24	32.36	30.95	30.49	28.7
1	2020 November	Market Pri 1 AM Mkt	27.4	27.68	27.75	27.83	28.81	27.33	27.71	25.45	27.13	27.58	27.21	28.82	28.41	28.35	25.86	27.54	27.72	28.34	35.71	35.7	35.25	27.29	29.56	29.61	31.9	27.92	29.85	31.85	26.94	28	
1	2020 November	Market Pri 2 AM Mkt	27.21	27.65	27.62	27.34	28.4	27.06	26.4	25.43	26.97	27.29	26.37	28.15	28.13	27.41	25.65	26.68	27.14	27.39	34.27	34.03	31.6	27.27	28.34	28.73	31.64	27.38	29.54	29.85	26.55	27.71	
1	2020 November	Market Pri 3 AM Mkt	27.04	27.58	27.75	26.61	27.9	26.89	25.74	25.14	25.68	27.72	25.53	27.52	28.24	26.92	25.43	25.66	27.03	26.82	33.9	33.68	30.21	27.05	27.63	28.65	29.25	26.91	29.61	28.21	26.25	26.45	
1	2020 November	Market Pri 4 AM Mkt	27.1	27.57	27.17	27.31	27.71	26.25	25.46	23.89	25.73	26.18	26.18	27.4	27.79	27.01	25.43	25.79	26.16	27.18	32.15	34.42	30.11	26.75	28.13	28.88	30.36	26.83	29.55	28.82	26.21	26.25	
1	2020 November	Market Pri 5 AM Mkt	27.32	27.74	27.47	28	28.13	27.61	25.43	23.89	26.25	27.04	27.03	27.71	28.17	27.09	25.43	25.87	26.87	27.81	34.29	35.67	30.03	26.9	28.56	28.78	32.13	26.74	30.05	28.41	25.83	26.7	
1	2020 November	Market Pri 6 AM Mkt	27.55	28.82	29.39	30.11	30.11	28.75	26.25	23.89	28.08	28.44	28.82	28.62	31.72	27.88	25.52	28.24	28.34	31.34	39.8	42.22	32.36	26.83	31.68	31.72	38.59	27	32.56	29.61	26.25	29.39	
1	2020 November	Market Pri 7 AM Mkt	28	37.29	36.55	37.75	37.8	36.61	26.12	25.21	35.97	35.24	35.72	37.37	38.04	29.32	25.7	36.47	34.41	37.85	41.96	41.51	33.06	28.26	39.12	38.54	41.68	28.34	37.33	29.68	26.53	36.39	
1	2020 November	Market Pri 8 AM Mkt	29.22	39.6	39.06	40.63	39.71	39.03	27.41	25.6	38.6	37.43	39.12	40.21	42.19	29.85	26.25	38.82	39.21	40.79	43.77	44.66	32.15	28.36	41.67	41.96	43.4	28.82	40.84	32.79	28	39.17	
1	2020 November	Market Pri 9 AM Mkt	29.99	41.11	40.1	40.41	39.74	40.49	30.66	27.02	39.81	37.8	39.82	39.94	42.11	31.85	28.55	39.64	38.91	41.27	43.5	43.87	40.32	32.12	43.04	41.67	43.75	31.85	41.5	37.02	28.75	40.47	
1	2020 November	Market Pri 10 AM Mkt	31.66	40.68	38.72	40.41	40.51	40.63	32.17	28.49	40.3	37.91	40.56	40.47	42.25	33.8	28.75	40.05	39.06	41.6	43.65	43.9	40.72	32.72	43.05	42.2	43.74	38.44	41.2	38.59	30.99	40.96	
1	2020 November	Market Pri 11 AM Mkt	31.57	42.07	38.87	41.55	40.39	41.26	37.37	29.71	40.52	38.62	41.15	40.34	42.47	36.13	29.85	40.56	39.72	41.67	43.43	43.63	41.56	32.92	42.59	42.62	43.85	39.34	42.22	40.25	32.05	41.67	
1	2020 November	Market Pri Noon Mkt	31.82	41.93	38.27	40.64	40.23	41.08	37.22	30.99	40.41	37.89	41.67	40.05	41.14	34.95	29.86	40.5	38.99	42.53	43.41	44.04	40.79	32.57	42.62	42.05	43.59	39.62	40.19	39.06	33.14	41.47	
1	2020 November	Market Pri 1 PM Mkt	29.89	41.83	37.85	40.77	40.48	40.74	36.13	31.28	40.48	37.16	40.6	40.12	40.48	34.08	30.08	40.44	37.88	42.43	43.27	43.41	38.31	31.71	42.3	40.05	42.98	34.74	39.14	37.05	31.72	41.71	
1	2020 November	Market Pri 2 PM Mkt	30.97	40.54	37.53	40.62	40.41	40.41	37.28	30.85	40.05	37.96	40.52	39.43	40.15	33.95	30.41	40.05	37.81	41.67	42.88	43.33	36.88	30.99	41.96	39.07	43.51	30.91	38.7	34.81	32.01	40.66	
1	2020 November	Market Pri 3 PM Mkt	29.39	40.55	37.46	39.84	40.05	40.41	35	31.32	39.52	37.71	40.19	39.27	39.55	33.19	31.39	40.12	38.03	42.01	43.06	42.89	33.58	31.21	41.93	40.8	42.88	29.39	38.01	31.85	31.25	40.48	
1	2020 November	Market Pri 4 PM Mkt	28.75	40.06	36.35	39.87	39.57	40.05	35.45	30.73	39.45	36.6	40.43	38.94	38.57	34.34	30.13	39.8	37.62	42.28	42.96	42.88	34.67	29.96	41.96	39.63	41.44	28.66	37.98	31.67	31.62	40.55	
1	2020 November	Market Pri 5 PM Mkt	29.85	40.41	38.1	40.98	40.1	40.4	35.45	31.61	40.33	38.05	41.87	39.62	39.04	33.94	31.55	40.49	39.52	43.19	41.4	42.85	35.62	31.85	41.67	41.67	43.42	29.61	40.05	35.11	35.25	41.34	
1	2020 November	Market Pri 6 PM Mkt	34.06	42.17	40.41	41.2	40.38	40.65	38.39	36.97	41.58	40.61	41.95	41.83	40.43	38.59	38.44	42.52	40.41	45.41	46.21	43.19	40.42	39.68	44.03	44.26	45.99	33.75	42.66	40.64	39.99	43.74	

1	2020 November Market Pri 7 PM Mkt	39.91	41.93	40.69	42.81	42.79	41.98	39.78	38.59	41.87	40.51	42.57	42.87	41.86	41.07	41.19	41.99	41.13	45.38	47.44	43.21	41.37	40.98	42.87	45.48	46.47	36.88	42.47	41.51	42.64	43.57	
1	2020 November Market Pri 8 PM Mkt	39.37	40.48	40.66	42.68	40.63	40.47	38.44	38.7	41.71	39.1	41.31	42.11	41.65	37.75	40.09	41.67	40.41	43.9	45.74	43.6	41.24	41.16	43.59	43.84	44.13	36.91	42.56	41.24	41.28	42.78	
1	2020 November Market Pri 9 PM Mkt	36.13	39.75	40.37	41.31	40.41	40.05	34.58	35.14	40.05	38.79	40.36	41.13	41.96	29.85	35.93	40.54	39.55	44	44.38	43.59	40.13	40.68	42.67	43.65	43.71	38.35	42.83	39.56	40.19	41.2	
1	2020 November Market Pri 10 PM Mkt	32.04	37.99	38.86	40.53	38.58	37.9	30.85	32.68	38.62	38.96	40.05	39.43	38.4	29.85	32.24	38.14	39.3	42.49	43.91	43.5	37.32	38.53	41.2	43.36	42.62	35.82	41.34	37.32	36.29	40.37	
1	2020 November Market Pri 11 PM Mkt	28.82	31.52	32.13	33.54	32.31	31.07	28.54	28.34	32.68	32.16	34.99	35.73	37.46	28.69	28.86	33.21	36.32	42.83	43.76	43.54	32.3	33.12	40.83	42.01	40.75	32.17	41.06	30.35	29.93	37.43	
1	2020 November Market Pri Midnight I	28.13	29.16	29.39	30.36	28.34	29.39	27.09	27.62	28.75	29.39	29.81	29.85	29.97	27.12	27.75	28.61	29.84	39.9	39.79	39.64	28.82	29.39	31.85	36.97	32.12	31.62	34.65	28.3	28.75	32.28	
1	2020 December Market Pri 1 AM Mkt	27	30.88	30.6	33.73	33.91	31.72	29.82	36.34	41.5	38.47	40.47	40.5	33.94	30.06	35.31	37.08	31.59	34.72	35.65	35.78	33.98	42.94	42.06	40.06	37.13	29.29	28.16	26.28	27.73	27.85	28.12
1	2020 December Market Pri 2 AM Mkt	26.28	29.85	30.24	32.17	32.82	29.88	29.73	35.41	39.47	37.67	38.62	39.34	30.73	29.88	31.85	36.03	31.97	31.88	33.78	32.22	34.86	40.72	40.53	36.71	34.19	25.54	27.25	25.86	27.73	27.73	27.51
1	2020 December Market Pri 3 AM Mkt	26.18	29.88	29.88	32.12	32.22	29.36	29.42	34.14	39.29	35.89	36.29	37.33	30.26	29.56	31.02	35.62	30.11	32.12	34.08	31.28	32.31	39.32	40.41	36.06	33.57	28.01	26.84	25.44	27.2	28.16	27.33
1	2020 December Market Pri 4 AM Mkt	25.94	29.73	30.02	31.85	30.71	29.42	29.78	33.83	40.35	36.74	36.66	36.91	31.23	29.89	31.7	35.55	31.86	32.19	31.97	31.85	33.74	37.92	40.47	35.93	33.95	27.77	27.15	25.71	27.36	26.58	27.27
1	2020 December Market Pri 5 AM Mkt	26.28	31.65	31.76	31.81	31.02	29.88	31.85	35.84	43.11	40.53	38.36	34.57	32.07	33.56	34.47	35.89	32.21	32.19	33.71	32.33	38.24	40.72	42.02	38.88	35.8	27.73	27.28	26.7	27.72	28.42	27.76
1	2020 December Market Pri 6 AM Mkt	28.29	35.83	36.55	38.94	34.25	29.42	37.34	42.41	45.89	44.36	44.12	40.96	31.02	37.98	38.76	38.24	36.71	38.55	35.7	33.34	44.67	46.47	45	44.12	38.07	25.83	26.82	27.91	26.22	29.33	28.7
1	2020 December Market Pri 7 AM Mkt	34.05	42.25	42.46	43.74	36.24	29.43	43.72	44.4	47.19	46.68	44.71	43.19	31.02	43.61	44.48	46.26	43.61	42.98	38.81	34.7	45.66	47.05	45.52	44.93	37.62	28.43	26.48	27.9	32.15	33.34	32.8
1	2020 December Market Pri 8 AM Mkt	38.27	42.91	44.21	45.15	39.17	31.28	45.15	47.31	47.88	48.67	46.78	44.08	36.18	45.43	46.65	48.5	45.42	45.56	44.08	38.1	47.1	50.6	48.37	46.55	44.67	30.14	28	29.87	36.45	35.31	37.96
1	2020 December Market Pri 9 AM Mkt	39.75	44.42	43.83	45.42	42.6	33.72	46.1	46.63	47.12	46.9	46.67	46.88	38.85	46.15	45.59	48.58	45.37	45.55	46.23	42.48	47.21	49.38	48.13	46.96	44.13	33.92	29.88	31.33	37.94	38.19	39.53
1	2020 December Market Pri 10 AM Mkt	41.49	44.34	43.03	45.68	44.67	35.06	45.65	45.44	46.63	46.9	46.47	47.04	39.97	45.13	46.24	46.03	46.49	45.12	47.03	43.64	47.37	47.2	46.62	47.02	44.41	34.54	30.54	34.69	38.63	39.33	40.05
1	2020 December Market Pri 11 AM Mkt	41.83	43.96	44.06	45.39	46.39	35.8	46.9	45.28	46.53	46.33	46.73	46.82	39.47	45.06	45.41	46.11	46.03	45.12	46.87	44.03	47.12	46.56	46.82	46.98	43.98	35.05	31.71	36.56	39.4	39.61	42.64
1	2020 December Market Pri Noon Mkt	42.41	43.3	43.87	45.37	44.77	35.83	45.37	44.93	46.51	47.02	46.94	47.05	39.06	43.94	44.69	45.81	45.49	44.93	45.28	41.05	47.06	46.58	46.24	45.47	42.41	35.08	29.88	34.93	38.4	39.54	42.53
1	2020 December Market Pri 1 PM Mkt	42.17	43.59	43.61	44.24	42.91	36.61	44.93	44.71	45.6	46.08	46.45	44.11	36.16	41.8	43.98	45.6	45.23	44.93	44.17	43.16	45.94	45.53	45.7	43.61	37.36	31.02	29.64	34.25	35.97	39.91	41.87
1	2020 December Market Pri 2 PM Mkt	42.23	43.41	43.59	43.77	40.48	34.4	44.93	44.45	45.42	45.76	47.1	41.9	34.54	44.57	43.21	45.79	44.1	44.93	42.55	38.85	45.4	44.59	45.28	43.36	33.06	30.48	28.36	32.13	35.04	39.43	41.83
1	2020 December Market Pri 3 PM Mkt	42.39	42.35	43.91	43.05	40.35	34.43	44.22	43.83	41.76	45.41	44.93	40.42	35.08	42.68	43.85	45.33	45.3	43.04	40.99	34.81	44.85	43.81	44.07	43.56	31.11	31.02	27.93	31.69	35.09	39.08	42.25
1	2020 December Market Pri 4 PM Mkt	42.25	43.8	43.81	43.01	42.75	34	45.42	44.69	45.4	46.23	44.93	41.21	33.92	42.7	43.98	45.44	45.42	44.65	40.75	34.69	45.54	44.05	43.82	43.59	30.71	29.88	27.3	32.07	34.62	39.03	42.25
1	2020 December Market Pri 5 PM Mkt	43.54	43.81	44.54	45.41	44.89	36.08	46.46	45.68	46.97	46.75	46.13	44.28	37.67	45.54	45.2	47.12	45.52	44.09	43.53	42.15	46.96	46.13	45.8	43.61	32.33	31.02	27.84	36.24	37.03	41.93	42.78
1	2020 December Market Pri 6 PM Mkt	44.25	45.23	46.65	46.52	47.83	46.04	49.27	49.36	51.55	51.29	48.88	47.87	45.49	48.13	49.5	53.1	49.17	46.66	47.63	47.15	51.55	49.38	49.03	46.23	43.05	34.49	30.62	41.46	42.05	43.61	43.61
1	2020 December Market Pri 7 PM Mkt	45.44	46.65	46.66	46.51	47.91	46.97	51.44	51.38	53.4	52.01	49.44	48.91	47.43	50.04	51.56	54.55	49.47	47.4	48.91	47.54	54.09	52.17	51.24	46.32	44.18	35.62	30.48	42.25	42.9	42.31	43.63
1	2020 December Market Pri 8 PM Mkt	45.32	46.46	46.3	46.73	47.48	46.94	49.35	50.47	52.43	50.39	48.67	48.49	47.38	48.95	50.7	52.06	47.42	46.32	48.27	47.65	52.97	51.56	50.74	45.7	43.06	33.85	29.88	39.68	42.44	42.97	43
1	2020 December Market Pri 9 PM Mkt	44	44.94	45.13	45.52	46.65	45.12	47.01	49.55	50.7	48.13	47.14	47.74	46.48	46.89	49.9	49.67	46.17	46.8	47.62	47.58	51.36	50.7	48.67	46.14	41.11	31.85	29.72	36.83	42.25	41.34	42.63
1	2020 December Market Pri 10 PM Mkt	41.65	44.5	44.93	43.9	43.79	41.16	46.34	47.16	47.46	46.32	46.78	45.65	43.94	46.03	46.1	45.76	45.29	44.93	45.74	47.38	48.82	47.35	46.95	44.91	36.45	31.66	28.76	35.19	39.44	38.89	39.87

1	2021 July	Market Prc 2 AM Mkt	30.05	32.36	26.28	24.39	25.34	26.27	27.52	27.93	28.75	27.23	26.93	28.57	33.8	34.74	32.95	34.83	35.33	33	35.81	36.15	36.9	37.07	36.85	38.03	31.43	39.8	41.48	36.72	26.92	28.83	28.45
1	2021 July	Market Prc 3 AM Mkt	32.12	30.03	24.99	22.9	24.34	23.46	25.62	25.60	25.65	25.25	25.12	26.64	28.71	30.88	29.99	30.99	30.3	30.26	34.5	32.24	35.21	30.12	35.08	28	29.51	37.09	33.06	34.85	25.52	26.31	25.88
1	2021 July	Market Prc 4 AM Mkt	31.1	27.85	24.35	22.34	22.85	24.53	25.18	25.42	25.16	24.39	24.34	25.58	27.43	28.27	28.33	28.64	28.75	28.26	32.02	30.6	32.17	28.38	26.42	32.35	28.21	31.84	36.79	31.57	24.09	25.43	25.16
1	2021 July	Market Prc 5 AM Mkt	30.82	28.26	22.5	21.91	22.61	24.41	25.16	25.46	24.91	23.72	23.87	25.68	27.1	28.99	28.29	28.78	27.23	26.82	32.16	29.34	31.98	28.03	32.95	28.65	27.14	35.63	28.79	31.58	25.4	25.62	24.69
1	2021 July	Market Prc 6 AM Mkt	32.12	28.18	24.09	21.62	22.42	25.16	25.43	25.67	25.78	23.75	23.46	28	28.72	30.45	29.89	30.28	27.39	26.06	35.18	30.93	34.99	28.99	28.75	29.93	26.44	32.35	37.76	31.91	26.13	26.94	24.57
1	2021 July	Market Prc 7 AM Mkt	35.12	30.22	23.81	22.34	22.84	25.66	26.62	27.34	26.17	24.34	23.15	31.38	33.38	34.01	34.01	34.08	28.19	25.78	36.35	34.02	34.4	36.26	36.24	31.75	26.46	37.84	37.61	35.11	27.12	27.52	25.16
1	2021 July	Market Prc 8 AM Mkt	37.87	34.03	24.53	23.03	23.86	31.2	32.36	32.67	32.58	25.60	24.34	35.62	37.07	36.87	37.02	36.87	32.07	28.26	39.68	37.18	37.47	38.31	38.29	35.09	28.26	41.18	40.61	36.94	32.73	32.09	26.15
1	2021 July	Market Prc 9 AM Mkt	42.05	37.17	27.85	25.31	26.46	36.36	34.75	36.27	35.48	32.12	29.13	38.09	39.89	38.69	41.15	41.02	38.24	36.71	44.83	43.04	42.03	44.88	43.71	38.19	29.3	46.1	46.05	40.25	35.44	35.58	31.61
1	2021 July	Market Prc 10 AM Mkt	46.3	40.73	31.8	29.13	33.85	37.16	36.84	38.23	37.8	36.9	34.9	41.83	44.53	42.58	44.66	45.05	41.96	39.86	52.54	49.66	48.92	52.63	50.05	41.88	32.35	52.81	54.02	42.44	37.5	37.25	37.23
1	2021 July	Market Prc 11 AM Mkt	52.66	44.59	35.14	32.16	38.8	40.55	38.84	40.28	39.35	40.04	39.64	47.01	49.49	46.82	49.99	51.54	43.32	42.68	61.7	56.44	56.9	61.44	57.68	44.32	42.2	66.19	63.16	45.06	40.64	40.68	39.11
1	2021 July	Market Prc Noon Mkt	60.25	46.94	36.97	37.25	41.52	45.06	42.69	41.88	42.95	41.9	42.1	54.26	54.63	52.6	55.23	56.58	45.13	45.12	74.62	66.03	66.32	72.75	66.77	45.36	47.7	86.31	80.14	47.19	44.78	43.41	40.31
1	2021 July	Market Prc 1 PM Mkt	68.55	50	36.91	39.2	44.27	47.3	45.16	46.59	45.39	43.05	44.35	58.55	59.16	55.66	62.73	64.22	47.4	48.5	99.53	77.79	74.43	87.29	84.9	47.33	47.11	143.97	111.94	47.57	46.66	45.97	42.1
1	2021 July	Market Prc 2 PM Mkt	82.11	52.74	39.7	42.19	44.8	50.95	48.68	50.49	47.19	44.53	44.95	67.34	65.12	61.58	70.55	71.53	49.31	50.39	131.47	95.11	103.79	141.25	112.97	49.22	49.72	182.79	141.28	48.95	49.34	49.08	43.39
1	2021 July	Market Prc 3 PM Mkt	87.63	54.04	39.63	41.17	44.91	53.98	49.75	52.09	48.08	45.24	45.56	72.53	71.06	64.11	76.86	74.61	50.24	50.35	144.51	105.42	121.88	159.8	131.52	49.87	51.54	209.1	160.98	48.55	51.41	51.99	44.95
1	2021 July	Market Prc 4 PM Mkt	90.47	53.51	40	41.88	45.14	54.47	51.25	53.07	46.98	45.37	46.68	79.8	72.82	65.84	77.81	74.24	50.28	50.89	158.22	110.32	120.13	141.46	146.27	50.71	52.12	240.09	153.41	48.03	53.03	53.38	45.02
1	2021 July	Market Prc 5 PM Mkt	91.09	52.47	41	42.78	45.06	54.68	52.8	52.73	47.53	45.95	47.64	82.49	72.22	65.67	77.66	74.22	50.57	51.04	132.34	105.05	129.25	169.96	139.53	50.96	52.84	248.22	160.06	47.98	54.44	52.46	45.87
1	2021 July	Market Prc 6 PM Mkt	76.82	50.37	42.07	41.93	45.11	53	52.42	53.13	46.26	46.72	47.94	78.9	66.64	63.58	73.37	70.36	50.42	51.43	133.88	98.79	124.26	126.74	133.55	50.93	53.51	209.95	113.08	45.99	54.55	51.42	46.11
1	2021 July	Market Prc 7 PM Mkt	69.21	45.21	40.22	42.18	44.27	50.35	50.77	49.47	44.24	45.95	47.85	70.21	61.28	59.99	67.97	63.38	49	50.96	104.23	92.68	101.29	114.38	93.87	49.89	53.61	160.12	97.61	45.22	52.12	46.58	45.8
1	2021 July	Market Prc 8 PM Mkt	62.73	42.39	39.39	40.05	43.81	45.73	47.23	45.75	42.1	45.11	46.63	54.36	55.22	55.56	60.94	56.96	47.87	49.62	85.46	73.39	88.5	92.58	78.88	48.83	53.31	106.06	80.12	43.65	47.64	44.51	45.17
1	2021 July	Market Prc 9 PM Mkt	57.6	40.22	32.12	35.4	41.75	43.61	45.27	41.88	40.62	44.34	45	56.46	51.37	53.17	56.35	52.8	45.71	49.34	71.79	65.98	75.32	80.83	65.64	46.24	54.75	106.82	69.57	43.69	45.49	42.88	43.68
1	2021 July	Market Prc 10 PM Mkt	54.21	38.12	37.75	34.98	40.37	42.12	43.88	41.92	38.91	42.98	44.72	52.24	48.95	50.81	52.99	51.09	45.13	48.77	62.62	61.57	60.41	71.23	62.26	45.58	54.49	77.81	61.45	43.36	43.31	41.82	43.11
1	2021 July	Market Prc 11 PM Mkt	45.4	39.32	35.26	37.07	39.43	40.41	41.28	41.67	40.5	41.93	43.54	43.97	44.64	45.05	45.04	44.52	44.04	46.88	47.78	47.24	50.08	50.67	48.33	44.55	49.41	51.27	48.77	41	40.92	41.15	40.58
1	2021 July	Market Prc Midnight M	42.41	28.75	30.16	34.2	36.33	37.37	37.44	36.94	36.82	35.81	35.81	39.96	40.5	41.74	42.47	42.24	41.4	43.41	42.57	42.54	44.52	44.8	43.35	41.01	48.63	45.12	43.83	35.81	37.34	36.97	36.67
1	2021 August	Market Prc 1 AM Mkt	28.02	30.34	29.36	32.37	39.97	35.77	28.47	27.68	30.98	33.88	35.39	36.01	34.99	34.68	28.66	26.97	27.45	28.23	31.96	32.37	32.63	30.31	27.63	26.47	25.52	27.69	27.81	27.99	26.36	26.65	25.11
1	2021 August	Market Prc 2 AM Mkt	25.51	27.15	29.95	34.33	36.17	30.37	26.06	25.7	27.46	28.65	30.4	31.94	31.64	29.68	26.97	25.65	25.64	26.23	28.19	29.71	29.26	27.4	25.62	25.15	24.54	25.3	25.15	25.05	24.72	25.39	25.17
1	2021 August	Market Prc 3 AM Mkt	24.56	25.78	27.86	28.69	32.18	27.73	25.39	24.56	26.21	26.78	27.47	27.77	25.36	27.37	25.46	25.2	25.61	25.07	26.13	27.86	27.03	25.48	25.17	24.24	24.06	24.55	24.56	23.78	22.96	24.96	24.8
1	2021 August	Market Prc 4 AM Mkt	24.22	25.17	26.81	27.27	28.83	25.96	24.77	24.4	25.61	26.09	25.69	26.68	26.6	25.17	25.18	24.92	25.34	24.56	25.45	26.47	25.62	25.17	24.92	24.56	23.79	24.06	24.4	23.54	22.66	24.49	24.56
1	2021 August	Market Prc 5 AM Mkt	24.22	24.99	26.33	27.1	28.29	26.09	24.66	24.14	25.3	26.05	25.65	26.18	26.17	25.47	24.96	25.17	25.17	24.56	25.56	26.47	25.58	25.16	24.69	24.72	24.1	23.81	24.4	23.54	23.55	24.56	24.56
1	2021 August	Market Prc 6 AM Mkt	24.3	25.78	27.15	27.3	30.17	25.4	24.56	24.14	26.1	27.1	27.37	27.6	25.7	25.7	24.84	25.67	26.17	25.17	26.78	27.94	25.7	24.75	25.17	24.82	24.47	24.77	25	23.54	23.54	25.17	25.62
1	2021 August	Market Prc 7 AM Mkt	24.06	27.19	30.8	32.79	34.34	29.04	24.92	24.1	27.38	30.74	33.48	30.99	29.78	24.4	24.92	25.79	27.62	27.81	29.24	30.47	26.12	24.81	25.79	25.57	24.98	27.28	26.47	24.48	23.74	26.19	26.54
1	2021 August	Market Prc 8 AM Mkt	24.4	31.21	34.81	36.14	37.02	34.15	25.17	24.23	33.15	35.62	36.26	34.21	35.03	26.49	24.92	29.25	29.9	29.87	27.57	35.37	27.48	24.98	25.28	27.32	28.23	27.58	30.04	25.17	24.45	29.78	31.95
1	2021 August	Market Prc 9 AM Mkt	25.68	35.87	38.24	39.22	39.98	37.67	26.84	26.14	36.34	37.71	38.3	37.47	37.68	31.9	26.31	34.23	34	33.68	35.79	37.64	34.42	27.97	32.49	29.95	25.39	33.91	34.03	27.44	25.17	33.74	34.07
1	2021 August	Market Prc 10 AM Mkt	30.11	38.56	43.01	46.15	45.62	41.39	31.84	30.59	39.05	39.41	41.84	39.82	43.14	37.6	29.58	37.34	37.62	37.44	38.2	39.5	39.32	32.87	36.1	33.75	33.77	33.88	37.12	33.31	28.17	36.13	35.85
1	2021 August	Market Prc 11 AM Mkt	35.41	43.68	52.94	56.56	54.06	44.47	37.55	36.99	44.51	45.08	48.4	47.61	51.16	40.01	32.73	41.43	39.02	40.59	41.59	44.03	42.22	38.16	38.03	36.37	36.15	37.3	38.52	37.78	32.44	37.82	37.29
1	2021 August	Market Prc Noon Mkt	39.07	50.09	61.59	68.68	66.52	47.9	38.66	39.28	49.88	51.68	57.57	54.62	58.55	46.16	36.42	44.36	42.81	44.72	44.77	46.93	44.77	40.96	42.36	37.8	38.27	38.51	39.3	29.71	38	40.46	37.83
1	2021 August	Market Prc 1 PM Mkt	41.28	57.66	72.64	92.42	84.65	51.58	41.61	41.24	56.56	57.63	67.09	64.13	70.4	49.49	38.95	47.28	43.35	48.75	50.91	51.53	48.86	42.3	44.77	38.23	38.55	40.83	41.75	32.37	39.1	42.89	39.3
1	2021 August	Market Prc 2 PM Mkt	43.55	67.55	98.69	140.83	108.44	57.49	42.57	43.92	63.88	66.85	79.42	68.69	85.57	50.36	39.81	50.23	46.13	53.81	54.24	55.44	48.69	44.44	46.96	40.34	41.14	43.22	43.9	36.42	42.04	45.31	41.62
1	2021 August	Market Prc 3 PM Mkt	44.26	81.05	128.85	174.05	119.18	58.63	43.52	44.62	68.89	74.11	93.75	88.8	120.93	52.14	42.3	51.22	46.76	57.44	56.37	57.24	48.04	46.34	48.72	41.14	42.73	45	44.76	38.25	42.92	46.32	42.49
1	2021 August	Market Prc 4 PM Mkt	45	97.46	141	172	117.61	58.92	43.75	45.05	71.7	77.53	101.54	94.96	106.29	52.62	42.98	51.28	46.95	61.05	56.9	59.43	49.57	47.28	49.27	40.97	43.88	46.2	44.78	40.81	44.63	47.09	42.52
1	2021 August	Market Prc 5 PM Mkt	45.59	106.14	150.32	182.93	119.02	58.13	44.51	45.35	71.02	83.03	108.27	96.84	111.06	52.58	43	51.4	46.3	62.75	58.05	61.1	49.57	47.24	48.92	40.36	44.24	46.46	44.93	41.85	44.94	47.61	42.24
1	2021 August	Market Prc 6 PM Mkt	45.85	100.61	137.85	168.72	104.1	56.3	44.28	45.45	68.16	76.41	93.09	66.73	89.82	51.59	42.5	49.4	45.79	61.34	58.08	58.35	49.5	46.15	47.07	39.3	43.9	46.21	41.63	42.47	44.11	46.75	41.93
1	2021 August	Market Prc 7 PM Mkt	45.36	81.77	106.06	123.81	92.45	50.96	43.76	45.09	61.41	65.02	81.69	68.51	70.02	47.67	42.39	47.57	44.33	57.24	53.77	56.22	47.51	45.8	44.77	38.34	41.85	42.33	40.55	41.45	43.98	45.31	40.61
1	2021 August	Market Prc 8 PM Mkt	44.82	67.86	80.3	95.71	70.07	45.73	42.07	44.67	55.89	58.79	67.19	58.19	59.68	45.17	42.44	45.43	42.62	52.71	50.94	52.12	45.4	44.42	42.3	37.75	38.73	40.6	39.5	39.1	42.81	43.75	39.25
1	2021 August	Market Prc 9 PM Mkt	43.88	59.76	68.36	82.08	63.55	42.85	41.09	43.92	53.24	55.38	62.03	55.88	56.43	41.88	39.85	44.71	42.55	49.92	49.82	49.57	45.2	43.44	41.68	37.62	39.2	40.78	38.98	38.56	44.29	44.32	38.07
1	2021 August	Market Prc 10 PM Mkt	44.02	55.49	60.39	68.8	56.71	41.1	39.97	41.39	48.47	49.8	55.31	52.18	51.89	42.71	38.53	42.71	39.65	44.72	45.72	45.53	44.52	41.32	38.68	36.6	38.21	38.52	38.27	34.02	39.79	40.21	37.86
1	2021 August	Market Prc 11 PM Mkt	39.93	44.97	45.82	48.31	45.47	38.65	39.54	41.07	44.36	44.47	45.02	43.41	44.53	39.68	35.06	39.82	38.88	40.82	41.56	43.84	41.13	38.06	38.29	35.2	38.89	37.51	37.57	36.78	37.02	38.25	36.11
1	2021 August	Market Prc Midnight M	34.99	39.81	41.98	41.61	39.96	33	33.63	36.37	36.17	36.42	40.04	39.1	38.82	32.25	28.99	32.88	32.37	37.2	39.61	33.94	37.58	30.63	34.74	26.03	30.57	30.89	32.06	29.85	28.6	26.94	29.35
1	2021 September	Market Prc 1 AM Mkt	30.2	29.81	28.79	28.49	27.77	27.54	27.66	33	31.99	30.2	32.77	31.04	32.39	33.9	35.99	32.22	29.74	28.79	28.63	29.4	31.56	32.45	35.72	33.5	29.58	29.04	29.35	28.59	29.04	29.94	
1	2021 September	Market Prc 2 AM Mkt	28.61	28.49	27.64	27.43	26.13	25.84	26.5	28.61	28.79	28.3	30.74	28.37	28.64	29.64	32.39	29.38	29.01	28.37	27.41	28.79	29.06	30.53	32.25	29.74	28.75	28.49	29.04	27.56	28.79	28.79	
1	2021 September	Market Prc 3 AM Mkt	28.61	27.33	26.89	27.4	25.8	25.79	26.33	28.12	28.2	27.27	28.48	28.03	28.3	28.79	33	28.93	28.61	27.61	27.3	28.32	28.37	29.38	30.2	29.04	28.49	28.27	28.37	27.42	28.3	28.61	
1	2021 September	Market Prc 4 AM Mkt	28.3	26.86	26.89	26.4	25.69	25.67	25.86	27.97	27.67	27.41	28.3	27.45	27.8	27.52	28.75	28.26	28.79	27.71	26.47	27.43	27.88	28.68	29	28.79	28.37	27.63	28.29	27.49	28.49	27.51	
1	2021 September	Market Prc 5 AM Mkt	28.58	27.09	27.29	26.22	25.67	25.64	25.94	27.83	27.36	27.73	27.94	26.5	27.93	27.65	28.61	28.04	28.37	27.43	26.14	27.53	27.72	28.64	28.39	29.01	28.04	27.2	28.04	24.55	27.86	28	
1	2021 September	Market Prc 6 AM Mkt	28.79	27.15	27.59	26.2	25.8	25.78	27.06	28.17	27.87	28.37	28.02	27.19	28.04	28.88	30.2	28.45	29.35	27.51	26.5	28.37	28.79	29.91	29.38	30.2	28.04	27.47	28.79	27.75	28.99	28.27	
1	2021 September	Market Prc 7 AM Mkt	31.75	27.56	27.29	26.22	25.9	25.79	25.7	31.42	31.27	32.24	28.25	27.43	32.83	33.3	36.7	32.1	32.91	28.04	26.57	30.42	31.75	33.79	33.48	33.92	28.54	27.64	32.87	27.66	30.79	28.61	
1	2021 September	Market Prc 8 AM Mkt	34.49	31.61	31.31	26.54	26.42	26.32	30.07	34.83	34.88	34.77	28.61	28.3	34.94	35.45	38.24	34.79	37.48	28.72	28.3	33.17	33.45	35.25	35.21	38.7	28.84	28.75	36.14	32.72	34.1	32.98	
1	2021 September	Market Prc 9 AM Mkt	37.47	34.73	33.53	28.3	27.38	27.09	33.86	35.53	35.25	34.98	31.44	28.79	34.81	38.33	36.84	37.94	38.07	29.91	28.79	34.8	34.8	37.58	38.07	39.44	30.47	30.47	37.34	33.33	34.66	33.48	
1	2021 September	Market Prc 10 AM Mkt	38.87	38.01	38.07	32.18	28.39	28.79	35.51	38.14	38.7	38.74	37.31	34.41	39.07	38.91	38.55	38.55	38.55	35.54	31.07	36.33	37.59	38.46	38.23	39.45	35.78	32.86	39.32	34.3	35.81	34.9	
1	2021 September	Market Prc 11 AM Mkt	39.87	40.4	38.55	35.99	31.15	32.16	38.61	39.27	38.88	39.33	41.05	37.31	39.67	41.41	42.06	42.68	41.2	37.31	35.11	38.41	38.55	40.16	40.63	41.15	40.66	36.18	38.74	34.91	38.45	34.88	
1	2021 September	Market Prc Noon Mkt	42.24	38.75	40.79	37.31	35.81	36.15	39.15	40	40.2	39.95	42.98	40.89	42.61	45.89	44.91	44.92	43.29	38.54	37.51	39.19	41.2	42.52	42.53	42.68	40.95	39.94	39.45	38.33	38.17	34.94	
1	2021 September	Market Prc 1 PM Mkt	44.27	40.01	42.69	40.78	36.56	33.71	40.32	42.51	41.97	41.16	44.8	43.56	45.96	49.3	47.1	46.91	44.89	37.31	38.34	40.75	44.97	45.17	46.31	45.04	41.77	39.72	40.06	38.82	39.43	35.02	
1	2021 September	Market Prc 2 PM Mkt	45.65	45.12	44.92	41.01	38.58	40.64	42.62	44.39	44.66	45.12	46.25	45	50.92	53.86	48.65	48.06	45.94	40.8	39.01	44.02	46.01	47.53	48.15	46.65	42.21	40.96	39.65	38.55	38.87	38.18	
1	2021 September	Market Prc 3 PM Mkt	46.5	47.32	46.33	41.54	36.11	40.52	44.82	46.32	46.21	47.4	46.62	46.16	54.78	57.77	50.51	50.51	46	40.78	38.12	47.39	47.76	50.96	51.09	47.32	45.02	41.17	41.06	38.55	38.55	36.59	
1	2021 September	Market Prc 4 PM Mkt	47.39	47.73	47.31	41.23	39.64	40.9	45.96	47.99	47.42	48.46	47.2	46.32	57.34	61.39	50.76	50.51	43.9	39.53	40.9	50.35	50.13	54.08	53.88	47.77	42.18	41.34	41.43	38.87	39.28	35.71	
1	2021 September	Market Prc 5 PM Mkt	47.57	49.07	47.18	41.02	39.49	41.31	47.44	49.18	47.58	49.82	47.16	46.68	58.47	65.03	52.09	50.68	45.41	40.01	41.58	52.05	51.24	55.58	53.83	47.31	42.74	42.83	41.99	39.12	38.01	35.15	
1	2021 September	Market Prc 6 PM Mkt	47.37	47.55	47.27	42.75	40.57	41.93	47.25	48.85	47.09	48.2	46.64	46.77	58.94	62.43	51.65	48.58	43.82	40.97	42.41	50.87	49.51	54.71	52.64	45.36	43.98	41.12	41.3	39.62	39.56	35.66	
1	2021 September	Market Prc 7 PM Mkt	46.53	45.55	44.69	40.92	38.86	41.06	44.56	46.27	44.66	45.96	46.24	46.25	56.08	56.65	48.83	47.38	40.96	40.19	41.72	47.75	46.99	50.25	48.72	41.74	40.96	41	40.98	38.55	38.55	34.8	
1	2021 September	Market Prc 8 PM Mkt	45.17	43.85	41.23	40.68	37.31	40.75	42.83	44.03	43.72	43.1	46.33	45.21	53.75	54.22	48.32	47.45	40.62	40.76	41.62	47.18	46.82	48.07	48.44	41.51	42.48	44.08	42.08	38.93	39.62	35.88	
1	2021 September	Market Prc 9 PM Mkt	45.38	44.05	38.55	40.83	37.31	41.21	43.26	43.9	43.24	42.49	45.9	46.39	52.75	52.83	48.27	47.51	40.69	41.05	41.74	46.37	45.91	46.88	47.87	41.05	41.48	40.9	41.36	38.53	39.62	35.05	
1	2021 September	Market Prc 10 PM Mkt	40.9	40.95	37.44	38.23	35.67	39.32	39.65	40.41	39.28	39.65	43.52	42.12	46.75	47.57	45.22	44.09	38.44	39.88	40.96	41.47	40.84	42.27	43.73	38.74	40.99	39.88	38.48	38.43	38.47	34.73	
1	2021 September	Market Prc 11 PM Mkt	40.75	41.09	38.37	33.56	32.08	35.89	40.9	40.98	41.08	42.24	40.48	41.09	45.11	43.89	44.18	42.37	37.31	34.93	37.83	40.9	41	41.12	41.85	41.06	37.43	38.44	38.65	38.21	40	33.55	
1	2021 September	Market Prc Midnight M	34.66	33.06	30.63	29.51	28.79	30.32	35.71	37.31	35.87	36.76	35.73	35.6	40.17	40.95	39.58	34.21	30.37	30.67	32.79	36.87	37.92	38.78	39.12	33	32.34	32.92	30.2	32.19	32.86	28.7	
1	2021 October	Market Prc 1 AM Mkt	29.84	30.61	30.47	38.23	39.44	39.98	38.7	32.06	30.08	28.03	29.42	29.84	29.84	30.75	30.09	29.42	27.41	28.03	28.58	28.96	28.75	29.84	29.42	27.97	28.4	28.75	29.84	29.83	29.42	29.67	27.78
1	2021 October	Market Prc 2 AM Mkt	28.29	28.8	29.23	35.94	36.13	35.75	33.76	29.87	28.71	27.49	28.4	28.01	28.4	29.42	28.01	28.01	26.15	27.9	27.75	28.07	28.09	28.01	27.87	27.57	28.03	28.19	28.4	28.8	28.22	28.29	27.8
1	2021 October	Market Prc 3 AM Mkt	28	28.28	27.97	32.21	31.97	31.9	30.12	28.2	28.29	27.03	28.01	27.94	28.03	28.16	27.8	27.81	25.33	27.58	26.87	27.33	28.16	27.8	27.87	27.06	28.01	27.81	28.11	28.16	27.88	28.23	27.39
1	2021 October	Market Prc 4 AM Mkt	28.03	28.29	27.5	31.9	30.25	31.17	29.42	28.21	28.34	27.17	28	27.8	27.97	28.08	27.81	27.38	25.18	27.71	26.48	26.91	27.45	27.8	27.76	26.68	27.91	27.8	28.29	28.16	28.01	28.29	27.3
1	2021 October	Market Prc 5 AM Mkt	27.8	27.84	26.89	31.43	30.94	30.94	29.49	28.03	27.97	25.92	28.22	28.17	28.09	28.29	27.37	27.08	24.98	27.97	27.01	27.22	28.01	27.19	27.23	26.22	28.25	28.12	28.4	28.75	28.05	28.15	27.55
1	2021 October	Market Prc 6 AM Mkt	28.3	28.13	27.33	38.47	35.66	35.68	32.46	29.84	28.4	26.3	29.13	28.8	29.21	28.8	28.01	27.12	25.32	29.42	28.15	28.49	28.65	28.15	27.59	26.46	29.84	30.12	31.33	32.4	29.84	28.96	27.8
1	2021 October	Market Prc 7 AM Mkt	34.43	28.8	27.89	38.67	37.45	36.92	36.81	35.4	28.75	27.27	34.27	34.84	34.69	35.39	32.64	28.06	25.95	35.58	34.18	34.04	34.7	34.02	28.26	27.33	36.94	36.77	36.68	36.94	35.93	30.94	28.15
1	2021 October	Market Prc 8 AM Mkt	36.54	31.07	28.71	40.12	39.75	38.93	38.66	36.75	30.57	28.15	36.93	36.98	36.83	36.77	36.96	28.57	27.3	38.93	36.63	36.72	36.94	36.62	29.45	28.19	40.08	39.95	38.81	39.65	38.56	33.5	29.84
1	2021 October	Market Prc 9 AM Mkt	36.77	37.37	31.8	40.87	40.13	40.53	39.81	37.83	35.62	29.23	36.91	36.97	37.37	36.77	36.88	30.49	28.15	38.93	36.8	36.84	36.87	36.7	31.9	29.84	39.46	40.29	40.23	39.81	39.71	38.1	30.94
1	2021 October	Market Prc 10 AM Mkt	36.77	38.24	38.41	40.97	40.72	40.71	40.74	39.28	39.1	32.03	37.83	36.97	36.88	37.42	36.76	33.68	29.84	39.22	36.91	36.88	38.71	36.98	37.13	31.07	40.18	39.75	39.75	40.31	39.75	39.77	32
1	2021 October	Market Prc 11 AM Mkt	38.66	41.58	41.18	41.46	41.08	40.87	41.01	39.67	41.39	34.82	39.42	36.77	37.65	39.6	39.33	38.64	30.94	38.93	36.93	37.76	38.74	36.77	40.18	32.2	39.77	39.75	39.75	40.14	39.85	40.51	29.89
1	2021 October	Market Prc Noon Mkt	38.98	43	41.25	42.18	41.73	40.85	41.19	39.63	41.41	35.51	39.42	36.89	37.13	39.64	37.27	38.25	32.03	39.56	38.13	37.23	38.83	36.77	39.69	34.62	39.96	39.12	39.06	38.93	39.58	38.39	30.94
1	2021 October	Market Prc 1 PM Mkt	37.94	42.83	42.41	43.97	42.13	42.19	40.85	36.91	40.46	34.88	39.75	37.76	38.57	39.68	36.58	40.11	35.69	39.63	37.83	38.64	38.77	36.77	39.22	32.87	40.29	40.11	38.93	38.93	36.73	34.8	28.8
1	2021 October	Market Prc 2 PM Mkt	37.83	43.22	43.33	45.18	44.71	44.58	42.18	38.93	38.85	34.71	39.69	38.93	39.24	39.55	39.3	38.61	35.69	38.93	37.68	37.1	39.68	37.16	37.51	32.75	39.99	39.99	38.93	40.29	35.43	30.49	29.42
1	2021 October	Market Prc 3 PM Mkt	38.93	43.19	43.06	46	45.25	45.47	42.32	38.34	37.81	32.75	38.93	37.09	39.23	39.26	38.77	40.15	35.25	38.34	37.05	38.68	38.68	36.94	35.64	31.9	39.56	40.15	36.87	38.55	35.48	30.17	28.5
1	2021 October	Market Prc 4 PM Mkt	39.07	43.1	43.4	47.22	45.59	45.77	41.77	36.98	35.52	32.26	38.59	37.02	36.93	38.83	38.93	40.59	34.97	39.64	37.26	39.68	38.93	36.98	35.32	31.85	40.54	38.93	36.77	38.93	36.52	28.8	28.4
1	2021 October	Market Prc 5 PM Mkt	39.64	42.67	44.85	48.06	45.92	46.42	41.6	38.93	36.71	33.31	39.26	37.45	39.42	39.75	38.61	39.95	35.69	38.63	38.93	37.43	38.93	36.96	35.4	31.68	39.75	39.42	36.77	36.92	35.41	29.84	28.81
1	2021 October	Market Prc 6 PM Mkt	38.73	43.21	46.64	47.18	46.57	46.62	40.85	37.1	38.01	37.77	39.47	39.54	38.93	40.08	37.83	40.4	38.35	38.65	36.98	37.83	39.02	37.33	37.89	37.72	40.09	40.21	36.96	38.63	36.6	31.42	35.69
1	2021 October	Market Prc 7 PM Mkt	38.81	41.2	45.5	45.65	45.69	45.29	40.85	37.28	40.01	37.98	39.69	40.24	40.4	38.63	36.94	40.57	41.57	38.93	37.85	38.66	39.25	36.77	40.09	40.85	40.78	41.06	40.12	39.33	36.77	33.05	40.34
1	2021 October	Market Prc 8 PM Mkt	39.7	41.42	47.17	46.39	46.65	46.72	42.56	38.93	40.87	41.68	39.59	40.35	40.29	40.49	37.4	41.56	42.29	38.86	40.14	40.11	39.86	36.98	40.57	42.07	40.53	40.62	40.32	40.32	38.93	38.54	40.1
1	2021 October	Market Prc 9 PM Mkt	39.25	43.42	46.71	44.66	44.17	43.98	40.85	37.13	40.52	41.68	38.56	38.63	39.78	39.21	36.77	38.5	41.72	38.62	39.04	38.93	39.81	36.98	39.85	42.24	40.32	40.61	40.32	40.22	39.47	35.86	38.18
1	2021 October	Market Prc 10 PM Mkt	36.88	41.92	46.36	41.83	41.6	41.99	41.05	36.77	39.13	41.55	37.83	38.84	38.61	38.65	36.73	37.25	39.76	37.09	36.91	39.07	37.75	36.65	37.12	41.04	40.04	39.75	39.75	39.07	36.64	32.09	33.82
1	2021 October	Market Prc 11 PM Mkt	40.19	39.96	43.71	44.13	46.71	44.46	43.29	40.1	33.59	39.22	40	40.5	40.71	42.44	37.68	31.18	36.85	39.67	38.08	40.08	40.15	36.87	32.21	37.79	37.8	39.49	39.2	37.9	35.39	29.9	29.84
1	2021 October	Market Prc Midnight M	33.85	35.61	42.48	42.83	43.44	42.97	40.41	33.66	30	32.25	30.94	33.95	35.44	32.96	30.94	28.8	29.84	31.41	31.45	33.89	32.09	30.94	28.8	30.8	30.92	37.89	32.26	30.94	30.35	28.32	28.75
1	2021 November	Market Prc 1 AM Mkt	27.88	27.97	28.05	28.44	27.52	27.68	25.55	27.66	28.15	27.83	26.17	29.75	29.83	26.07	27.43	28.1	29.62	37.22	38.54	34.15	28.05	29.88	31.91	33.64	28.76	29.8	32.21	27.36	28.44	31.32	
1	2021 November	Market Prc 2 AM Mkt	27.78	27.5	27.26	28.05	26.92	26.35	25.33	27.16	27.97	27.22	28.02	28.44	27.84	25.85	27.64	28.02	28.02	36.35	35.25	33.38	27.62	29.25	30.8	32.26	27.83	29.88	30.42	26.93	27.81	29.88	
1	2021 November	Market Prc 3 AM Mkt	26.7	27.55	26.35	27.83	26.94	25.76	25.58	26.05	27.52	26.08	27.8	28.07	27.41	25.63	26.25	27.33	26.98	34.88	36.09	32.02	27.33	28.15	30.03	29.97	27.28	29.71	29.86	26.7	26.93	29.74	
1	2021 November	Market Prc 4 AM Mkt	26.35	26.74	27.19	27.83	26.03	25.51	25.17	26.05	26.64	26.57	27.59	28.19	27.41	25.49	26.3	26.81	27.83	34.86	34.56	32.1	27.35	28.2	28.78	31.58	27.03	29.85	29.6	26.46	26.9	28.37	
1	2021 November	Market Prc 5 AM Mkt	27.43	27.57	27.83	28.34	26.99	25.75	25.23	26.49	26.94	27.83	27.83	28.75	27.48	25.65	26.71	27.9	28.76	36.09	29.88	32.01	27.36	28.63	29.87	33.61	26.93	30.11	29.33	26.22	27.39	28.14	
1	2021 November	Market Prc 6 AM Mkt	29.6	29.32	29.88	31.1	29.26	26.14	25.17	28.44	28.44	28.44	29.75	32.61	28.21	25.78	28.84	28.39	32.11	41.61	44.04	33.76	27.83	33.01	34.84	41.42	27.45	33.01	29.88	26.59	30.06	32.25	
1	2021 November	Market Prc 7 AM Mkt	37.32	35.4	37.47	36.86	37.19	26.56	25.42	35.41	34.04	35.37	37.72	37.65	29.45	26.09	36.12	35.09	38.58	42.84	43.01	36.09	29.33	38.77	38.56	41.43	28.44	37.9	31.91	27.31	36.16	35.69	
1	2021 November	Market Prc 8 AM Mkt	40.68	38.07	40.72	39.42	38	27.85	25.46	38.04	37.57	38.17	39.78	41.88	29.87	27.01	38.68	38.77	41.47	42.91	43.78	40.81	29.88	41.82	42.09	42.98	30.07	40.73	34.82	28.02	39.91	40.14	
1	2021 November	Market Prc 9 AM Mkt	40.61	36.88	40.72	38.64	39.5	30.49	27.36	39.85	37.76	38.72	39.73	42.59	34.02	28.19	41.13	38.89	41.35	42.68	43.3	38.75	33.91	41.4	41.82	42.96	33.09	41.08	37.87	29.46	40.07	39.62	
1	2021 November	Market Prc 10 AM Mkt	40.05	37.38	40.38	39.07	39.57	32.17	28.64	39.86	38.53	39.86	39.02	42.36	36.61	29.4	40.01	40.66	41.74	43.02	43.23	43.24	34.63	42	41.82	42.97	38	41.82	41.54	32.31	40.07	40.15	
1	2021 November	Market Prc 11 AM Mkt	40.72	39.09	40.3	40.03	40.86	38.34	29.88	40.18	37.75	39.88	39.78	42.09	38.77	29.88	40.21	38.66	42.09	43.01	43.17	43.44	34.78	41.81	41.87	43.33	41.39	41.44	41.8	34.44	41.36	40.42	
1	2021 November	Market Prc Noon Mkt	41.3	37.68	40.01	38.62	39.72	37.8	30.98	40.03	38.41	40.01	39.98	40.87	38.51	32.24	40.71	40.03	41.53	42.56	41.06	42.58	34.95	42.09	41.82	42.8	41.41	40.03	41.37	34.63	40.86	40.04	
1	2021 November	Market Prc 1 PM Mkt	40.72	36.53	39.67	38.93	39.59	36.98	31.44	40.12	37.68	40.61	40.06	40.04	36.05	30.98	40.71	37.86	42.07	42.48	42.84	40.81	34.16	42.09	38.84	41.12	36.09	39.21	39.46	33.77	40.9	40.17	
1	2021 November	Market Prc 2 PM Mkt	40.07	37.51	39.76	40.72	40.61	38.2	30.98	39.05	36.87	40.72	39.72	40.73	35.41	31.91	41.33	38.07	41.57	42.09	42.69	40.8	31.91	40.89	40.74	43.15	32.1	38.77	36.73	33.29	40.61	40.2	
1	2021 November	Market Prc 3 PM Mkt	40.61	36.9	40.29	38.31	40.01	36.54	29.88	40.61	37.34	40.04	38.59	39.15	33.47	30.65	39.59	37.56	41.67	42.46	42.09	38.34	31.86	41.08	40.61	42.72	30.42	38.57	33.33	32.59	40.17	40.2	
1	2021 November	Market Prc 4 PM Mkt	39.17	35.37	39.06	38.73	39.96	36.94	30.49	39.61	37.49	40.01	38.57	40.61	34.29	30.81	40.19	37.67	42.08	41.9	41.48	38.28	32.24	41.62	40.33	42.1	31.73	37.57	32.63	34.05	40.22	40.01	
1	2021 November	Market Prc 5 PM Mkt	40.12	37.41	39.88	39.41	34.81	38.71	32.15	40.14	37.93	40.12	38.88	38.87	36.09	32.25	40.15	40.11	42.68	42.63	42.34	40.12	35.49	42.09	42.34	42.32	31.16	39.71	39.13	38.87	41.96	41.33	
1	2021 November	Market Prc 6 PM Mkt	40.72	38.55	40.61	40.1	40.01	39.99	40.01	40.68	40.01	41.87	41.68	41.5	40.01	40.33	41.98	41.04	44.36	45.05	43.51	42.81	43.76	43.05	43.62	45.67	34.91	41.43	42.42	42.61	42.48	42.66	
1	2021 November	Market Prc 7 PM Mkt	40.06	40.72	41.05	40.89	40.99	40.01	40.74	42.08	39.97	41.15	42.31	42.03	41.17	40.83	42	41.52	44.05	46.31	44.3	43.97	41.62	42.96	44.72	44.97	40.01	42.87	44.25	41.42	42.8	43.1	
1	2021 November	Market Prc 8 PM Mkt	39.98	40.01	40.05	40.87	39.76	40.27	40.01	40.87	39.4	41.85	42.19	41.4	40.69	41.03	41.51	40.26	43.15	44.03	42.93	43.89	43.5	42.58	42.98	43.21	40.01	42.69	43.01	42.9	42.15	42.76	
1	2021 November	Market Prc 9 PM Mkt	38.61	38.76	40.61	40.04	39.56	35.9	37.51	40.43	39.02	40.86	41.52	40.01	36.62	38.66	40.72	38.67	42.95	43.29	42.13	42.95	43.73	41.99	43.3	42.5	39.81	41.96	40.81	43.41	41.57	42.75	
1	2021 November	Market Prc 10 PM Mkt	37.62	38.75	38.8	37.78	37.09	33.31	33.5	38.77	39.24	40.61	38.68	37.79	32.28	35.1	39.49	39.7	42.07	43.22	43.02	40.01	40.7	41.47	42.73	42.09	37.99	40.9	38.21	39.83	40.11	41.78	
1	2021 November	Market Prc 11 PM Mkt	31.98	32.11	34.92	32.21	34.11	28.39	28.84	35.66	36.09	38.84	38.47	39.17	29.26	29.13	38.72	38.85	44.81	45.51	44.17	34.74	32.17	41.5	41.96	42.37	33.91	42.51	32.41	30.37	40.01	43.64	
1	2021 November	Market Prc Midnight M	29.64	29.08	29.88	28.44	29.17	27.41	27.85	29.46	29.27	29.88	30.01	31.26	27.47	28.11	31.48	30.46	42.53	43.4	42.51	29.85	30.77	35.17	39.33	32.7	31.91	37.34	29.46	28.84	32.25	37.41	
1	2021 December	Market Prc 1 AM Mkt	32.49	32.08	35.28	36.43	34.07	30.92	39.51	44.55	42.41	44.06	42.64	35.7	31.41	35.48	40.04	33.87	36.74	38.82	38.47	36.36	46.26	45.82	41.44	37	39.95	28.39	28.67	28.73	29.23	28.07	30.52
1	2021 December	Market Prc 2 AM Mkt	30.99	32.31	34.86	35.2	30.76	30.78	37.11	44.48	40.73	40.77	40.9	32.21	31.01	32.27	37.26	32.25	35.55	37.24	35.39	36.09	42.96	42.93	40.13	28.77	29.49	27.6	27.86	28.05	28.04	27.78	28.86
1	2021 December	Market Prc 3 AM Mkt	31.12	31.11	32.95	34.45	29.91	29.91	36.74	42.39	39.16	37.85	40.8	31.79	30.37	33.24	37	31.7	33.87	35.72	32.65	34.26	40.91	41.88	38.47	32.07	28.47	27.14	27.86	27.86	28.36	27.86	28.41
1	2021 December	Market Prc 4 AM Mkt	31.33	31.91	32.95	31.97	29.91	31.13	36.04	44.28	39.97	39.92	40.21	31.49	30.94	33	37	32.92	34.31	34.77	34.83	36.39	44.51	42.93	39.01	31.32	25.37	27.39	27.94	27.66	26.89	27.76	28.11
1	2021 December	Market Prc 5 AM Mkt	33.38	33.74	33.55	32.53	29.91	33.75	38.06	45.23	44.16	39.77	40.41	32.31	35.19	36.93	39.41	34.97	34.55	35.69	35.14	39.82	43.71	45.75	40.49	28.01	26.38	27.68	28.24	28.05	26.38	28.09	28.09
1	2021 December	Market Prc 6 AM Mkt	37.98	40.11	40.14	37	29.91	39.22	45.83	48.54	47.61	45.8	43.21	32.68	39.93	42.2	42.82	41.62	41.61	38.24	35.43	46.48	48.77	47.72	45.39	35.4	29	27.42	29.09	29.91	30.28	29.92	29.68
1	2021 December	Market Prc 7 AM Mkt	40.54	42.54	43.35	37	29.91	43.29	44.9	46.51	46.55	43.65	43.27	34.08	42.79	44.97	46.3	43.08	42.99	40.82	36.05	44.82	46.62	46.47	45.11	39.12	26	27.07	25.09	33.14	33.87	33.36	33.7
1	2021 December	Market Prc 8 AM Mkt	44.13	43.62	45.22	42.81	32.15	45.53	47.01	47.39	47.88	46.41	49.31	39	45.55	46.16	47.84	44.98	45.09	46.12	40.09	46.67	48.79	47.74	46.65	42.25	31.28	28.23	26.17	37.41	36.33	38.91	37.47
1	2021 December	Market Prc 9 AM Mkt	43.62	43.58	45.11	46.75	37	46.02	46.17	46.8	46.52	46.17	48.82	44.58	45.75	46.27	47.03	44.99	45.4	47.48	45.76	47.05	48.55	47.42	46.54	42.11	28.47	31.01	30.66	38.71	39.05	39.37	39.14
1	2021 December	Market Prc 10 AM Mkt	42.98	44.27	45.52	47.69	39.61	45.92	46.23	46.59	46.3	46.29	49.8	43.02	45.64	45.79	46.34	45.04	45.04	49.27	46.51	46.08	46.34	46.62	44.98	42.39	37.92	31.91	32.89	39.36	39.61	39.5	41.02
1	2021 December	Market Prc 11 AM Mkt	42.99	44.97	45.18	47.52	39.67	46.05	45.78	45.73	46.07	46.34	49.4	42.12	44.6	45.38	45.67	44.93	45.01	47.61	40.34	46.61	46.3	46.34	46.34	42.26	37.57	33.1	33.34	39.63	39.61	42.08	41.87
1	2021 December	Market Prc Noon Mkt	43.96	43.62	45.25	48.76	39.83	45.32	44.98	45.96	46.34	46.34	49.05	40.81	44.94	44.89	45.11	45.45	44.78	49.21	43	46	46.16	46.13	45.63	42.05	37.29	32	31.67	39.26	40.49	42.21	41.33
1	2021 December	Market Prc 1 PM Mkt	43.34	43.06	44.88	45.44	37.66	44.96	44.48	45.82	45.46	46.01	47.09	40.91	44.24	43.11	45.79	44.78	44.36	46.55	42.49	45.93	45.58	45.22	43.48	41.63	32.28	30.29	30.08	37.72	40.31	42.08	40.94
1	2021 December	Market Prc 2 PM Mkt	43.07	43.42	43.62	44.4	36.09	44.62	43.97	44.3	45.08	46.49	44.19	37.26	44.67	44.13	45.75	44.94	44.97	43.57	40.69	45.49	44.29	44.92	44.13	39.58	31.62	29.28	27.53	35.54	39.19	40.45	40.91
1	2021 December	Market Prc 3 PM Mkt	43.1	43.07	43.62	41.84	35.38	43.92	43.62	44.91	46.09	44.92	45.84	35.47	43.21	43.2	44.84	44.78	43	40.81	38.07	44.97	44.88	44.97	43.29	36.18	31.19	28.05	27.98	35.19	39.29	41.83	39.19
1	2021 December	Market Prc 4 PM Mkt	43.59	43.43	44.14	45.58	35.44	44.18	44.29	44.89	45.85	44.98	44.81	35.51	43.03	43.05	45.18	44.99	43.04	41.33	39.12	44.89	44.87	44.98	42.55	36.41	31.91	27.91	27.47	34.98	39.45	42.04	39.05
1	2021 December	Market Prc 5 PM Mkt	43.43	44.44	43.65	47.35	40.13	46.06	45.34	45.92	46.14	46.52	46.48	40.02	44.88	44.98	46.39	45.08	43.62	46.98	40.93	46.19	45.43	45.84	43.62	38.66	32.09	28.06	27.45	37.88	41.31	42.98	40.27
1	2021 December	Market Prc 6 PM Mkt	45.52	46.48	45.84	50.16	48.17	48.52	48.69	50.83	50.83	48.31	50.49	49.47	47.91	48.71	52.62	48.83	46.34	49.98	47.79	50.7	48.71	48.45	45.9	42.26	37	31.67	36.48	41.97	43.73	43.4	42.62
1	2021 December	Market Prc 7 PM Mkt	45.95	46.52	45.95	50.37	48.92	50.6	51.03	52.76	51.2	48.76	51.26	49.65	48.82	51.03	53.06	48.51	47.01	50.82	50.43	53.49	51.63	50.51	46.62	42.11	39.94	31.46	38.56	43.17	42.32	43.1	42.41
1	2021 December	Market Prc 8 PM Mkt	45.96	46.62	46.13	49.66	48.1	48.44	49.75	52.47	50.03	47.88	50.48	48.92	47.89	50.58	51.6	47.85	46.27	50.3	49.91	52.32	50.85	50.23	46.1	42.55	36.88	30.34	37.16	41.95	42.33	43.04	41.92
1	2021 December	Market Prc 9 PM Mkt	44.97	44.9	46.25	49.03	48.92	46.97	48.71	50.26	47.77	46.59	49.74	48.92	46.02	49.21	48.66	45.83	46.17	50.03	50.46	50.71	50.19	48.12	45.67	41.97	35.32	31.91	34.81	42.3	41.63	42.95	42.03
1	2021 December	Market Prc 10 PM Mkt	44.21	44.35	44.91	46.19	45.91	45.6	46.56	47.05	46.48	46.34	46.6	47.02	45.64	46.57	45.76	44.97	44.98	49.36	49.34	47.95	46.95	46.44	43.51	40.39	32.18	29.91	32.56	40.37	39.55	40.5	38.66
1	2021 December	Market Prc 11 PM Mkt	46.28	46.28	47.52	42.66	39.29	49.03	51.04	50.97	49.65	50.16	46.08	44.57	49.09	50.49	49.05	48.6	48.39	47.17	47.49	51.45	51.02	50.12	46.5	36.89	31.16	29.26	34.91	37	34.58	35.68	34.97
1	2021 December	Market Prc Midnight M	35.83	39.87	40.17	36.16	32.81	43.88	47.8	46.56	46.94	46.52	41.06	33.07	40.91	45.25	44.69	43.03	45.67	42.91	40.12	48.92	48.92	46.47	42.8	31.91	30.77	27.75	30.05	31.01	30.2	32.88	31.13
1	2022 January	Market Prc 1 AM Mkt	25.99	25.21	23.47	30.27	31.54	27.58	34.84	32.27	29.43	26.61	34.66	31.73	27.74	27.88	40.13	37.08	42.81	45.48	43.96	34.58	39.46	34.01	41.46	43.12	36.18	36.62	32.5	42.81	30.5	31.9	36.27
1	2022 January	Market Prc 2 AM Mkt	24.83	24.32	25.25	28.37	30.27	30.23	33.86	26.62	27.88	26	32.7	28.91	26.38	32.73	37.73	35.13	42.36	44.28	42.85	36.45	36.52	29.85	34.59	43.28	42.37	35.8	36.18	37.64	29.8	26.21	33.3
1	2022 January	Market Prc 3 AM Mkt	23.92	23.8	24.82	27.54	28.45	28.89	32.3	28.15	27.51	27.04	31.63	28.15	26.38	30.57	36.52	34.55	41.96	44.31	39.88	36.18	35.58	27.88	40.64	39.17	41.44	35.43	33.99	36.89	30.12	26.21	32.3
1	2022 January	Market Prc 4 AM Mkt	23.74	23.8	25.73	27.51	28.62	28.97	32.47	28.29	26.16	28.07	30.21	27.88	26.21	32.04	37.41	34.97	42.31	45.07	39.98	36.18	36.18	28.9	41.2	39.87	35.17	34.79	34.93	37.48	27.88	28.89	33.58
1	2022 January	Market Prc 5 AM Mkt	23.8	24.06	26.21	28.22	31.82	32.3	34.65	28.03	26.21	29.75	32.35	28.96	27.13	34.24	38.05	35.83	42.8	44.25	39.88	30.12	31.08	27.77	42.27	43.18	36.18	39.63	32.81	42.77	29.1	29.87	34.58
1	2022 January	Market Prc 6 AM Mkt	23.94	24.65	26.21	33.34	35.94	28.13	39.83	28.89	28.89	32.95	37.4	34.54	29.25	40.09	39.3	37.97	43.91	47.75	43.83	37.53	36.27	28.89	41.74	43.75	43.77	36.18	42.71	44.12	30.12	26.61	34.41
1	2022 January	Market Prc 7 AM Mkt	24.39	25.45	36.18	44.18	43.19	42.22	45.45	33.09	27.04	41.47	43.19	40.16	37.46	46.6	41.82	40.98	50.82	58.8	54.17	49.65	51.44	35.72	43.69	56.84	52.25	45.28	52.55	55.34	30.27	34.69	47.96
1	2022 January	Market Prc 8 AM Mkt	23.28	26.23	37.42	44.33	46.84	44.34	49.16	36.18	32.86	43.75	45.28	44.13	43.19	49.78	43.29	41.34	52.55	62.36	56.92	52.7	54.35	42.06	43.97	57.64	56.98	51.39	55.91	57.63	41.75	36.18	51.24
1	2022 January	Market Prc 9 AM Mkt	26.4	27.68	37.52	44.51	46.47	45.28	49.02	31.79	36.18	44.16	45.28	43.19	42.81	49.7	44.24	39.87	53.91	61.07	56.05	52.13	55.29	43.13	44.26	56.84	54.16	51.05	56.09	56.39	43.66	39.81	51.35
1	2022 January	Market Prc 10 AM Mkt	24.97	26.21	39.44	45.28	46.84	46.47	48.3	36.17	39.16	45.4	45.28	44.13	42.81	49.84	43.75	41.89	54.16	58.12	54.99	52.46	53.55	43.82	44.51	56.6	53.91	51.17	54.88	57.23	42.19	36.21	51.47
1	2022 January	Market Prc 11 AM Mkt	26.89	30.37	42.85	45.28	46.82	46.98	49.63	42.05	39.35	44.2	45.28	46	43.19	49.48	43.94	42.79	53.91	57.05	56.64	52.87	53.34	46	44.44	56.1	52.77	51.12	54.81	54.97	43.32	38.43	50.05
1	2022 January	Market Prc Noon Mkt	26.38	33.79	44.29	45.28	46.84	47.96	47.96	41.47	39.98	44.52	45.28	45.82	42.91	49.13	43.74	43.32	53.87	56.59	55.79	52.13	52.28	46.84	44.21	54.91	52.13	50.05	53.87	54.64	43.66	38.71	46.87
1	2022 January	Market Prc 1 PM Mkt	28.89	33.34	40.93	45.28	45.28	46.52	46.84	32.74	39	44.13	45.28	45.7	42.81	49.07	40.54	43.04	53.81	56.23	55.77	52.06	52.13	45.3	44.77	53.78	51.74	49.91	53.72	53.37	42.54	36.09	49.06
1	2022 January	Market Prc 2 PM Mkt	28.89	31.26	44.25	45.36	45.28	46.49	46.87	34.15	38.96	43.75	45.28	44.13	42.81	46.64	42.36	43.6	53.06	56.05	53.75	51.95	51.9	44.46	43.75	53.07	46.2	49.36	52.52	52.39	39.87	35.68	47.84
1	2022 January	Market Prc 3 PM Mkt	28.37	31.61	44.26	45.28	47.06	46.44	46.25	32.3	38.24	43.68	45.28	42.81	44.52	46.94	40.78	41.18	52.82	54.27	55.29	50.98	51.5	43.92	43.34	52.23	49.49	47.96	51.79	52.13	38.97	31.65	45.28
1	2022 January	Market Prc 4 PM Mkt	28.34	31.34	42.01	45.28	45.28	46.22	46.08	39.8	37.09	43.5	45.28	43.75	44.52	45.51	41.91	41.41	53.6	54.31	53.64	50.74	50.48	43.88	41.47	52.13	47.77	48.03	50.53	50.86	36.18	34.38	45.28
1	2022 January	Market Prc 5 PM Mkt	28.27	35.67	41.47	46.25	49.59	47.96	46.52	41.45	38.46	44.52	46.92	44.13	44.46	46.95	37.35	41.75	53.91	55.48	53.92	52.34	50.61	44.35	44.28	53.39	48.87	49.93	52.13	50.24	36.18	32.46	47.92
1	2022 January	Market Prc 6 PM Mkt	35.46	32.3	43.56	47.96	51.76	50.53	49.42	42.01	35.77	48.82	49.75	46.75	45.28	50.08	43.19	45.07	56.53	57.94	55.01	53.61	52.31	46.13	45.39	53.94	50.27	51.75	53.74	51.8	39.68	42.7	49.93
1	2022 January	Market Prc 7 PM Mkt	36.36	36.47	44.51	49.91	52.67	52.28	49.5	43.06	43.4	49.68	50.46	48.68	47.96	52.13	43.75	47.61	57.8	63.06	57.3	54.55	54.03	47.47	50.04	56.55	53.32	54.25	56.93	53.91	42.54	43.33	52.13
1	2022 January	Market Prc 8 PM Mkt	27.04	30.27	44.49	48.5	52.13	51.28	47.7	42.56	42.97	49.4	50.16	47	46.5	49.84	43.49	47.96	57.55	61.67	56.59	54.89	53.88	47.37	50.57	55.61	53.6	54.24	57.3	53.58	39.88	42.77	52.45
1	2022 January	Market Prc 9 PM Mkt	33.18	41.65	43.64	47.66	50.48	49.72	46.81	41.08	40.79	46.87	45.28	43.56	46.77	50.3	43.75	47.06	56.59	59.57	54.52	53.62	53.86	47.96	49.41	54.87	53.55	52.73	56.8	53.47	42.77	43.75	52.05
1	2022 January	Market Prc 10 PM Mkt	30.8	37.48	42.75	45.28	46.52	47.96	45.28	40.6	32.54	44.7	45.28	43.19	44.53	49.47	42.7	45.16	56.76	57.06	52.56	52.14	52.74	44.5	47.96	52.89	51.11	52.28	56.81	51.32	35.72	39.88	51.35
1	2022 January	Market Prc 11 PM Mkt	26.02	31.25	41.42	41.34	42.7	44.3	42.84	37.65	29.2	42.37	39.88	41.27	43.1	45.44	39.88	44.26	48.08	49.29	44.06	43.66	44.17	43.66	46.84	43.83	41.47	44.32	47.79	43.6	32.38	37.35	42.7
1	2022 January	Market Prc Midnight M	26.21	24.24	32.3	35.88	40.05	40.22	37.97	32.3	32.07	37.75	36.85	26.61	39.49	41.39	39.88	43.66	46.69	44.7	37.29	36.07	41.72	43.18	43.01	39.63	40.76	37.64	43.49	40.58	37.09	37.02	35.92
1	2022 February	Market Prc 1 AM Mkt	37.41	28.85	34.54	35.61	35.88	30.2	28.09	31.11	26.57	34.5	39.75	37.27	29.38	28.4	30.03	28.18	32.87	37.5	32.43	30	26.36	30.32	30.88	27.47	36.54	34.82	30.33	30.22			
1	2022 February	Market Prc 2 AM Mkt	32.77	34.39	32.13	34.88	34.72	28.26	28.09	27.6	28.21	32.14	38.68	34.96	28.2	28.02	27	26.93	29.92	36.52	35.78	28.31	28.2	26.03	29.13	29.44	34.55	31.86	28.76	30.73			
1	2022 February	Market Prc 3 AM Mkt	26.97	36.11	33.27	33.23	32.7	26.16	28.31	26.64	28.39	33.98	37.15	33.07	27	27.71	26.41	27.84	31.48	34.42	34.72	28.3	27.96	26.42	30.33	31.58	32.4	30.84	28.2	30.33			
1	2022 February	Market Prc 4 AM Mkt	32.42	31.61	33.06	34.52	33.74	27.3	30.08	25.98	29.97	33.48	37.06	33.05	26.92	28.14	26.36	27.88	31.84	34.72	34.72	27.84	28.39	27	30.28	31.41	33.04	31.7	28.18	31.68			
1	2022 February	Market Prc 5 AM Mkt	34.28	30.13	34.95	36.18	34	28.47	32.44	26.16	32.41	33.19	38.02	34.55	27.84	29.76	26.87	30.08	32.21	36.88	35.61	28.22	29.39	27.74	33.46	31.15	34.72	30.08	29.88	32.74			
1	2022 February	Market Prc 6 AM Mkt	30.11	34.72	38.91	39.02	35.75	30.09	34.59	32.28	37.22	39.73	40.93	35.7	28.73	34.72	28.88	34.72	37.95	40.89	30.11	28.4	27	30.33	37.33	37.31	35.66	34.68	30.08	35.75			
1	2022 February	Market Prc 7 AM Mkt	45.93	49.11	44.21	45.61	38.94	32.32	40.03	34.72	42.46	45.68	49.13	38.94	31.1	39.74	37.1	42.15	43.22	44.47	39.69	30.32	39.27	39.72	43.86	42.33	45.01	37.46	31.81	42.11			
1	2022 February	Market Prc 8 AM Mkt	49.22	50.97	47.81	49.39	39.99	33.84	42.96	42.09	45.93	47.75	51.21	40.43	32.05	44.4	40.91	44.07	47.59	49.68	37.51	32.41	40.12	42.3	47.4	47.51	48.31	34.72	32.44	45.84			

1	2022 February	Market Pri 9 AM Mkt	47.68	50.65	47.59	49.01	40.17	37.08	45.09	44.12	44.07	47.6	50.6	38.65	34.46	45.24	41.62	44.07	47.49	47.95	36.51	34.86	42.23	44.12	47.31	47.57	47.76	40.12	35.75	47.24			
1	2022 February	Market Pri 10 AM Mkt	47.33	51.08	49.06	47.65	40.26	38.1	45.09	42.21	44.07	48.62	49.89	35.79	37.29	46.74	41.89	44.07	48.06	47.96	38.8	30.11	42.67	41.3	46.3	47.71	49.17	37.36	37.31	47.39			
1	2022 February	Market Pri 11 AM Mkt	46.73	48.23	47.69	47.57	40.03	37.55	44.07	44.28	44.07	48.98	49.83	35.88	36.07	47.27	40.78	45.18	47.62	49.64	40.78	37.67	46.52	44.07	45.99	47.73	47.55	38.8	38.28	47.68			
1	2022 February	Market Pri Noon Mkt	44.28	50.67	47.82	44.17	40.35	34.72	44.07	40.78	44.07	47.45	47.82	34.72	35.74	46.99	41.05	44.07	47.66	47.72	35.66	36.62	45.89	40.91	44.07	49.99	44.2	38.79	37.06	48			
1	2022 February	Market Pri 1 PM Mkt	44.87	47.71	47.54	43.95	37.6	32.78	44.07	42.44	45.72	47.96	47.35	37.08	33.32	46.29	40.78	44.07	47.18	46.27	34.72	35.09	45.23	44.07	44.99	47.56	44.26	37.67	33.74	47.51			
1	2022 February	Market Pri 2 PM Mkt	42.44	46.93	47.39	41.68	34.72	30.33	44.07	42.46	44.07	47.66	46.37	34.7	30.95	45.1	38.89	44.07	47.2	45.17	38.85	32.26	45.11	42.01	44.07	47.52	42.46	34.93	27.84	47.4			
1	2022 February	Market Pri 3 PM Mkt	41.87	46.48	45.72	39.33	32.88	29.59	42.44	41.64	45.3	47.3	42.96	26.92	30.17	44.26	34.72	44.87	46.3	44.07	38.79	33.35	43.7	42.05	44.07	47.46	40.98	34.48	31.14	47.2			
1	2022 February	Market Pri 4 PM Mkt	42.45	45.24	44.21	34.72	32.03	29.82	44.27	40.8	44.07	47.36	42.15	32.4	27.47	44.08	34.72	44.07	46.59	44.07	37.58	34.41	42.44	42.21	43.75	47.42	40.63	34.72	32.03	46.55			
1	2022 February	Market Pri 5 PM Mkt	44.14	47.51	44.07	41.23	32.94	30.08	42.21	41.64	44.71	47.6	41.24	26.92	31.83	44.16	34.72	44.07	44.07	43.58	38.08	33.75	41.22	42.24	44.07	47.7	39.36	34.77	31.16	46.83			
1	2022 February	Market Pri 6 PM Mkt	45.31	50.65	47.49	42.03	34.5	34.64	44.32	42.44	46.93	49.53	44.28	27.74	36.56	44.02	40.7	44.07	47.38	44.23	32.44	36.31	44.2	42.44	45.82	47.55	41.79	37.42	35.86	47.47			
1	2022 February	Market Pri 7 PM Mkt	47.57	50.53	50.39	44.07	30.84	38.81	46.92	44.07	49.77	51.29	47.23	28.09	34.72	45.62	39.02	50.16	50.33	46.55	41.41	31.99	46.68	45.28	48.51	50.07	44.07	34.15	31.71	50.61			
1	2022 February	Market Pri 8 PM Mkt	47.89	50.17	50.14	44.28	28.85	37.09	46.05	44.07	49.02	51.43	45.35	32.42	34.72	45.34	40.18	48.56	50.57	47.1	34.72	34.79	46.69	45.09	48.18	50.2	44.24	32.77	32.86	51.06			
1	2022 February	Market Pri 9 PM Mkt	49.05	48.68	48.44	41.81	31.33	28.09	44.07	44.07	47.56	49.87	45.82	30.76	34.15	44.07	39.87	47.38	49.17	47.05	35.66	33.66	45.06	44.07	47.53	48.45	44.23	34.72	38.74	47.58			
1	2022 February	Market Pri 10 PM Mkt	47.35	47.68	45.41	41.24	38.74	35.83	42.34	42.77	44.71	49.93	44.24	38.79	30.08	41.23	34.72	45.37	47.68	45.17	33.43	32.24	42.87	42.89	44.98	47.55	42.44	32.77	32.28	46.99			
1	2022 February	Market Pri 11 PM Mkt	40.78	40.78	35.99	31.23	34.72	34.27	40.01	39.98	41.74	42.05	38.97	27	35.02	38.81	36.96	41.69	41.64	36.1	27.84	35.23	40.21	40.78	38.8	40.78	36.34	36.31	37.29	39.58			
1	2022 February	Market Pri Midnight M	34.72	39.96	40.15	35.58	31.58	31.21	34.54	34.32	38.95	40.86	38.71	30.91	30.35	32.41	31.46	37.28	40.78	33.88	31.89	26.92	34.27	34.72	38.53	34.72	35.66	31.7	34.21	40.22			
1	2022 March	Market Pri 1 AM Mkt	31.2	36.83	37.33	31.7	28.02	29.94	26.32	26.54	33.89	37.15	28.33	30.09	30.21	30.61	27.69	30.15	32.59	29.77	28.16	29.38	27.8	26.9	28.11	30.21	26.51	25.33	28.36	26.54	26.32	26.14	26.89
1	2022 March	Market Pri 2 AM Mkt	28.94	35.34	35.3	32.64	26.9	27.81	25.88	26.34	31.94	32.65	28.25	29.85	28.07	29.57	27.54	28.82	30.09	29.7	27.69	27.62	26.89	26.14	27.11	27.56	24.89	26.14	26.98	26.29	25.72	25.54	26.14
1	2022 March	Market Pri 3 AM Mkt	27.81	35.38	33.72	33.97	26.14	27.78	25.76	26.43	31.97	32.47	29.1	28.17	28.02	28.19	27.31	28.38	29.26	31.74	27.52	26.98	26.54	25.77	25.72	27.45	27.09	26	26.84	26.14	25.49	25.56	25.63
1	2022 March	Market Pri 4 AM Mkt	28.63	35.24	35.29	33.97	26.54	27.45	26.23	26.9	32.54	32.9	30.08	26.2	27.81	30.31	28.01	29.22	30.05	31.92	26.85	26.81	26.98	26.29	27.3	27.4	26.89	25.76	26.7	26.7	25.47	25.51	25.53
1	2022 March	Market Pri 5 AM Mkt	31.36	38.23	36.72	34.41	26.54	27.58	26.54	27.72	35.7	35.57	31.49	28.48	28.25	32.35	28.62	31.44	31.95	32.75	28.08	26.9	28.28	26.67	27.51	28.1	26.49	25.76	26.66	28.7	25.96	26.18	26.14
1	2022 March	Market Pri 6 AM Mkt	34.36	39.75	39.39	38.6	28.29	28.82	32.6	32.17	36.42	39.24	35.75	29.93	28.38	37.45	35.67	36.23	36.56	37.55	29.31	28.08	33.97	30.09	32.42	33.08	27.94	24.71	26.81	30.86	28.78	27.8	27.4
1	2022 March	Market Pri 7 AM Mkt	41.44	48.18	48.86	48.37	32.26	32.28	40.06	42.71	47.93	47.36	40.05	33.82	31.36	41.69	40.5	42.67	39.9	40.36	32.2	28.07	39.88	40.68	41.03	38.87	36.74	26.67	28.01	38.76	37.75	38.02	33.01
1	2022 March	Market Pri 8 AM Mkt	43.44	49.27	48.99	48.91	33.82	33.97	40.47	45.32	48.57	48.22	44.13	35.99	33.61	46.46	42.97	42.01	40.56	41.83	35.29	33.66	42.71	40.31	42.49	40.59	38.57	28.82	30.09	40.1	39.79	39.64	38.68
1	2022 March	Market Pri 9 AM Mkt	43.5	48.85	47.84	47.51	30.09	36.81	33.97	41.74	46.97	44.81	42.97	37.93	36.78	45.02	40.4	44.06	41.29	40.42	35.24	36.58	42.03	42.67	43.14	40.7	39.79	33.28	35.54	39.76	39.46	33.97	38.82
1	2022 March	Market Pri 10 AM Mkt	45.52	47.51	46.06	46.12	37.43	35.46	35.63	42.84	47.16	45.32	42.49	37.52	37.46	42.49	40.56	42.73	40.21	41.8	38.77	35.83	42.2	40.14	43.18	40.82	39.79	35.63	36.65	41.13	32.75	37.4	39.77
1	2022 March	Market Pri 11 AM Mkt	45.41	45.32	41.91	46.31	36.95	33.41	40.09	44.31	46.93	44.31	43.85	38.06	37.24	43.83	40.87	42.49	41.18	41.37	35.84	35.31	41.43	40.65	42.49	41.18	40.67	36.93	34.72	41.38	33.97	40.28	39.8
1	2022 March	Market Pri Noon Mkt	44.84	46.66	42.49	42.08	37.11	32.95	40.6	44.81	46.47	43.65	43.01	37.37	35.88	41.68	41.37	43.61	37.55	37.4	35.98	32.98	42.58	40.48	42.49	39.79	39.79	37.08	34.4	40.05	39.22	37.4	40.55
1	2022 March	Market Pri 1 PM Mkt	44.57	46.38	41.42	40.71	34.34	30.51	41.95	43.85	46.03	42.49	43.15	37.14	34.2	41.42	41.3	41.22	39.79	39.74	33.99	32.53	40.2	42.57	43.39	40.74	39.83	35.8	32.75	35.64	40.09	37.46	39.85
1	2022 March	Market Pri 2 PM Mkt	43.05	45.78	40.66	39.79	33.57	28.26	33.97	44.81	44.47	42.49	42.66	36.06	33.97	40.96	37.68	41.37	40.28	33.97	33.93	31.82	33.97	41.03	42.49	37.4	39.2	33.97	31.7	37.4	40.29	41.03	37.4
1	2022 March	Market Pri 3 PM Mkt	42.46	43.75	39.92	40.02	32.2	28.82	40.47	44.81	42.49	41.89	41.07	35.04	33.51	35.63	39.74	42.84	33.97	40.79	33.28	31.1	38.38	41.7	41.63	41.38	38.75	34.97	30.21	37.4	39.92	40.55	40.59
1	2022 March	Market Pri 4 PM Mkt	42.42	42.41	42.49	38.65	32.72	29.51	40.35	42.49	39.9	42.09	41.36	35.12	33.97	41.18	40.24	38.01	39.75	36.75	32.28	32.12	33.97	40.96	42.67	39.87	37.67	33.97	30.05	32.38	39.45	39.86	39.9
1	2022 March	Market Pri 5 PM Mkt	43.61	43.56	40.47	41.66	32.06	28.4	41.03	43.81	42.49	42.18	40.63	35.9	34.43	35.63	39.54	40.63	33.84	40.28	33.94	31.13	37.4	41.01	42.89	40.63	39.15	36.43	30.21	33.97	39.62	39.99	39.92
1	2022 March	Market Pri 6 PM Mkt	44.89	46.34	41.1	34.98	34.43	29.96	40.89	46.2	44.34	42.49	42.68	37.38	34.76	39.79	39.86	42.85	38.22	39.79	34.51	32.88	39.31	40.81	42.41	38.77	38.8	35.56	30.09	39.85	38.96	39.84	39.91
1	2022 March	Market Pri 7 PM Mkt	48.18	48.01	46.25	42.78	37.62	31.97	41.4	49.31	47.3	46.34	42.06	39.74	37.4	41.41	41.37	42.49	36.24	41.01	37.49	35.85	40.66	41.39	41.74	42.39	32.82	36.24	26.54	36.67	37.4	40.09	33.97
1	2022 March	Market Pri 8 PM Mkt	48.93	49.97	48.55	40.65	39.5	36.87	42.01	50.85	48.98	47.41	43.05	39.88	40.04	45.27	42.49	44.13	42.49	35.65	39.59	38.25	44.24	41.4	43.43	39.92	32.75	37.53	35.96	42.35	39.74	37.4	42.55
1	2022 March	Market Pri 9 PM Mkt	47.9	48.77	47.96	39.92	38.94	37.35	41.39	48.55	47.44	47.47	42.21	39.51	35.4	45.32	41.41	40.59	40.73	33.88	39.51	37.91	42.49	42.5	42.93	42.65	39.52	37.23	36.16	39.82	39.68	36.39	41.64
1	2022 March	Market Pri 10 PM Mkt	45.4	46.66	46.26	33.97	37.27	34.63	40.67	47.96	46	42.49	41.28	38.73	38.23	41.5	41.38	40.89	41.36	33.97	38.45	36.55	39.92	39.83	41.38	35.63	38.51	37.41	34.5	33.97	39.79	39.78	39.86
1	2022 March	Market Pri 11 PM Mkt	40.17	37.62	39.79	37.16	34.34	30.08	37.03	38.2	37.64	39.78	38.97	36.08	36.81	38.65	38.4	39.25	37.59	37.54	33.97	33.92	37.42	37.33	37.87	35.47	35.3	35.6	32.38	34.51	32.23	33.97	34.66
1	2022 March	Market Pri Midnight M	36.53	38.92	37.47	31.7	31.78	27.79	31.46	37.12	38.69	34.43	34.42	33.96	33.82	33.85	31.7	34.5	34.35	33.95	30.51	30.05	31.68	30.27	33.97	29.95	29.86	31.8	28.82	28.82	26.98	30.05	28.38
1	2022 April	Market Pri 1 AM Mkt	30.05	30.97	31.14	28.81	30.05	28.95	30.09	31.05	29.65	29.42	27.8	31.08	29.54	30.56	30.48	29.38	29.02	27.85	30.21	30.13	29.76	31.91	30.31	31.2	29.1	30.05	29.61	30.2	31.16	30.2	
1	2022 April	Market Pri 2 AM Mkt	28.1	28.75	30.4	29	28.16	28.81	28.82	28.98	25.74	28.78	28.5	28.06	28.81	28.94	28.67	27.43	28.34	28.17	27.96	28.71	29.88	29.1	26.88	30.57	29.03	28.29	28.65	29.48	28.71	26.33	
1	2022 April	Market Pri 3 AM Mkt	30.05	28.97	30.67	28.81	27.8	28.76	26.68	30.2	25.75	27.96	27.63	28.03	29.19	27.8	29.28	27.61	27.87	26.98	28.35	28.81	27.47	30.36	28.3	30.05	28.1	28.09	28.75	27.8	30.54	27.77	
1	2022 April	Market Pri 4 AM Mkt	26.9	28.35	29.38	29.11	24.84	27.8	29.14	27.55	26.46	25.75	28.26	27.43	27.97	29.47	26.82	26.87	26.9	28.06	26.88	27.52	28.74	26.75	27.43	28.86	30.15	27.68	28.69	29.19	26.98	27.31	
1	2022 April	Market Pri 5 AM Mkt	28.81	28.86	30.19	28.68	28.81	26.88	28.18	28.92	26.53	27.92	24.98	28.62	26.98	28.83	28.81	27.41	28.59	26.98	28.07	26.53	27.8	28.71	27.67	30.2	29.49	28.81	27.56	28.57	28.71	27.74	
1	2022 April	Market Pri 6 AM Mkt	29.49	28.14	28.11	31.1	30.05	26.09	31.33	28.71	26.53	25.99	29.3	28.81	28.71	31.7	30.05	27.16	26.49	29.65	29.12	28.29	31.24	28.68	26.94	26.88	32.72	30.29	30.05	32.07	29.33	27.04	
1	2022 April	Market Pri 7 AM Mkt	39.12	32.37	30.27	36.38	36.12	36.38	38.15	37.8	28.81	27.69	37.31	36.14	34.76	39.3	36.15	30.05	27.7	37.3	37.88	35.98	38.14	37.73	29.18	29.41	39.21	38.43	36.31	36.38	37.68	29.46	
1	2022 April	Market Pri 8 AM Mkt	40.34	35.82	29.65	41.13	41.07	40.44	40.82	41.03	30.31	24.2	39.21	39.68	40	40.57	41.78	32.18	26.98	39.35	40.35	39.24	40.87	39.71	30.63	30.2	40.84	41.13	41.13	41.94	40.23	31.59	
1	2022 April	Market Pri 9 AM Mkt	41.01	38.27	30.2	42.65	40.56	40.65	39.78	40.57	34.77	27.98	39.69	40.87	40.87	41.91	42.04	35.15	28.71	39.86	40.56	40.54	40.87	40.77	35.85	32.32	43.59	40.77	40.87	41.87	42.2	34.87	
1	2022 April	Market Pri 10 AM Mkt	41.1	37.71	33.53	41.22	40.87	40.87	40.77	42.41	35.09	30.2	39.92	41.87	43.52	42.35	41.09	35.27	32.47	38.81	40.87	42.96	40.87	42.65	37.14	33.6	42.17	40.87	41.94	41.13	42.8	35.47	
1	2022 April	Market Pri 11 AM Mkt	42.67	36.41	34.05	43.19	40.77	40.5	41.76	40.67	35.15	33.91	41.54	41.13	42.2	43.48	42.53	37.23	31.86	41.13	43.88	41.57	42.43	41.13	38.62	35.84	43.37	42.49	40.94	42.58	41.03	37.6	
1	2022 April	Market Pri Noon Mkt	41.75	38.23	33.53	42.66	41.05	41.73	42.17	40.53	35.65	30.2	41.11	41.65	42.46	43.36	40.54	34.72	30.68	42.52	45.24	44.66	41.13	41.05	37.41	33.53	44.07	41.61	41.29	41.14	41.89	36.17	
1	2022 April	Market Pri 1 PM Mkt	42.47	37.7	35.85	41.1	41.12	41.35	43.2	40.6	34.43	35.8	44.07	41.32	42.46	40.97	41.66	34.67	32.86	44.66	45.56	46.29	41.85	41.05	36.38	35.91	44.13	41.56	41.13	41	42.4	33.88	
1	2022 April	Market Pri 2 PM Mkt	41.51	36.12	33.5	41.02	40.87	44.22	41.13	40.17	34.08	34.68	41.68	40.92	41.03	41.01	41.02	33.43	32.59	45.16	45.78	45.37	43.4	41.02	36.16	35.01	41.95	41.14	41.01	40.87	40.65	33	
1	2022 April	Market Pri 3 PM Mkt	40.44	36.18	35.72	40.71	40.87	41.8	40.87	40.41	33.53	35.85	41.64	40.58	41.13	40.7	40.54	32.88	34.14	42.83	45.36	45.09	41.12	40.87	34.08	35.76	40.46	40.56	40.7	40.87	40.75	32.05	
1	2022 April	Market Pri 4 PM Mkt	39.88	36.17	33.21	40.18	40.58	40.77	40.58	39.99	34.41	35.86	41.1	40.47	40.21	40.87	39.34	33.92	33.11	42.04	45.16	43.99	43.08	40.41	36.11	36.67	40.46	40.61	40.54	41.26	39.78	32.86	
1	2022 April	Market Pri 5 PM Mkt	39.86	37.39	33.36	39.33	40.56	40.77	40.37	39.35	35.61	35.61	41.24	39.93	40.85	39.8	39.34	36.38	34.23	41.13	43.88	45.22	41.22	40.69	36.37	35.98	39.81	39.65	40.97	40.7	40.12	34.97	
1	2022 April	Market Pri 6 PM Mkt	40.23	36	35.25	39.75	40.48	39.62	40.56	40.5	35.32	37.09	40.79	40.69	40.08	39.99	39.18	34.89	35.22	42.45	42.62	44.34	41.1	40.87	36.57	35.89	39.98	39.86	40.41	39.99	40.36	34.94	
1	2022 April	Market Pri 7 PM Mkt	40.73	37.56	32.58	40.36	40.18	40.26	40.03	38.21	34.8	35.31	40.54	39.81	40.19	39.34	39.55	33.97	34.97	40.68	41.46	42.85	40.77	40.45	36.11	35.37	40.59	39.35	39.18	40.97	39.82	32.82	
1	2022 April	Market Pri 8 PM Mkt	41.32	36.35	34.63	39.34	40.35	39.33	40.5	38.21	36.13	34.61	40.51	41.97	39.79	39.53	39	35.06	34.13	40.74	40.97	40.48	41.35	39.99	37.55	34.97	39.35	40.41	39.52	40.75	39.67	35.92	
1	2022 April	Market Pri 9 PM Mkt	42.33	39.58	36.15	44.97	42.43	41.13	43.34	40.87	36.38	35.76	44.13	41.13	40.97	41.19	39.58	33.53	35.81	42.44	44.31	42.42	42.3	40.87	37.58	36.3	40.87	40.59	40.37	44.16	40.54	35.64	
1	2022 April	Market Pri 10 PM Mkt	41.01	38.55	37.99	41.22	40.87	40.85	41.72	40.07	36.97	35.2	42.4	41.82	40.75	41.05	39.92	35.85	34.4	42.15	42.87	41.37	41.13	40.54	37.95	36.41	40.77	40.7	40.63	42.36	40.03	37.32	
1	2022 April	Market Pri 11 PM Mkt	37.3	36.15	36.54	38.68	37.57	37.16	39.34	36.12	35.08	34.87	39.11	37.49	37.18	38.35	36.14	34.46	35.43	39.91	39.06	38.33	37.76	37.25	36.06	36.22	38.72	37.01	38.03	39.58	36.6	34.27	
1	2022 April	Market Pri Midnight M	32.53	32.23	31.14	33.74	31.38	32.77	34.27	32.28	31.62	30.89	33.23	30.88	33.51	31.72	31.43	30.67	29.29	32.92	33.16	33.11	34.08	34.45	33.19	33.81	32.42	31.01	33.02	33.36	33.4	31.66	
1	2022 May	Market Pri 1 AM Mkt	27.75	28.6	29.42	30.68	28.73	28.59	28.15	26.51	27.75	29.45	32.18	31.91	30.28	31.18	26.66	27.75	27.87	29.04	30.68	32.21	31.4	27.75	29.47	30.35	31.39	30.41	29.05	29.07	26.41	26.39	27.21
1	2022 May	Market Pri 2 AM Mkt	26.91	27.25	28.58	28.56	28.11	27.08	27.75	26.06	26.91	27.63	29.53	29.89	28.48	28.6	25.94	26.8	27.42	27.75	29.15	28.76	29.19	26.56	27.92	28.15	29.98	28.37	27.74	27.43	25.68	25.35	26.86
1	2022 May	Market Pri 3 AM Mkt	27.2	27.42	28.15	28.23	27.25	26.66	26.91	26.41	26.41	26.66	27.9	27.75	27.42	27.36	26.08	25.99	26.85	26.91	27.42	27.75	27.42	26.39	27.42	27.95	28.1	26.91	26.78	26.78	25.82	25.64	26.35
1	2022 May	Market Pri 4 AM Mkt	26.51	27.43	27.75	27.94	27.37	26.92	26.85	26.07	26.51	26.78	27.58	26.76	26.91	26.78	25.99	26	26.39	26.62	26.9	27.05	26.54	26.39	27.75	27.25	27.19	26.73	25.99	26.15	25.48	25.24	26.04
1	2022 May	Market Pri 5 AM Mkt	27.06	27.99	27.99	28.02	27.61	26.66	27.35	25.79	26.78	26.22	26.86	27.07	26.85	26.85	26.3	26.04	26.51	26.39	26.86	26.81	26.91	26.04	27.42	27.19	27.37	26.92	26.41	26.78	25.55	25.67	25.7
1	2022 May	Market Pri 6 AM Mkt	26.99	31.54	32.03	30.51	28.41	27.75	27.42	26.5	27.42	27.75	28.55	28.42	28.15	27.25	26.32	27.25	27.47	27.57	26.39	27.94	27.08	26.07	28.9	28.15	27.94	27.43	26.91	26.91	25.49	25.58	27.13
1	2022 May	Market Pri 7 AM Mkt	27.33	39.31	39.53	39.67	38.47	36.81	27.92	26.51	34.72	36.76	36.76	36.77	35.39	27.75	25.94	34.3	35.25	34.73	35.38	34.78	27.42	25.99	33.31	34.76	34.71	34.17	31.22	26.91	25.25	25.71	30.39
1	2022 May	Market Pri 8 AM Mkt	28.59	41.47	42.95	42.55	39.92	38.09	28.15	26.91	38	39.31	39.37	39.26	39.5	28.63	26.8	36.75	37.18	37.02	39.31	39.31	28.75	26.51	37.41	37.93	38.01	37.13	36.01	26.91	26.19	26.51	36.83
1	2022 May	Market Pri 9 AM Mkt	30.46	39.69	40.32	40.85	40.29	41.58	30.27	27.42	39.69	40.47	39.6	39.78	40.64	30.75	27.42	39.56	39.61	40.81	41.45	39.22	32.39	28.54	39.31	39.31	39.31	40.86	39.52	28.15	27.21	27.25	38.94
1	2022 May	Market Pri 10 AM Mkt	32.77	40.31	40.63	39.62	39.38	40.28	31.94	30.75	39.68	41.93	40.51	39.62	39.92	35.29	29.37	41.13	41.84	39.31	39.38	39.31	34.73	31.11	39.69	39.31	41.34	40.31	40.29	32.18	29.34	29.8	39.99
1	2022 May	Market Pri 11 AM Mkt	32.18	40.54	40.9	39.67	39.6	39.31	33.73	30.94	42.47	43.36	42.08	39.48	39.66	36.4	30.51	39.96	39.69	39.31	41.55	39.67	36.56	33.57	42.98	40.68	42.32	39.69	39.35	31.8	30.51	27.25	43.54
1	2022 May	Market Pri Noon Mkt	31.29	40.12	40.6	39.92	42.29	39.81	33.31	31.63	43.78	45.1	42.98	39.92	40.36	35.36	31.32	39.52	39.72	39.31	40.46	39.68	36.47	33.31	41.36	40.48	39.43	39.66	40.31	33.88	30.68	32.98	41.8
1	2022 May	Market Pri 1 PM Mkt	31.62	39.75	39.98	41.39	39.31	42.07	34.53	32.27	44.18	45.47	44.34	40.85	43.17	36.84	28.42	39.31	39.71	39.43	43.07	41.81	36.83	33.41	42.98	43.27	39.43	39.66	40.89	34.87	32.26	33.92	45.17
1	2022 May	Market Pri 2 PM Mkt	30.46	39.31	39.67	39.97	39.31	39.31	34.75	31.29	44.57	47.3	45.46	41.96	44.33	35.74	29.39	39.31	39.43	39.62	43.78	40.08	35.78	34.45	44.84	43.85	39.55	40.85	41.9	35.32	30.57	32.8	47.35
1	2022 May	Market Pri 3 PM Mkt	30.45	39.31	39.92	39.51	39.31	41.31	34.67	30.06	44.69	48.31	47.29	44.15	44.34	35.78	28.54	41.02	39.43	40.45	44.52	39.31	34.95	34.4	44.84	45.29	42.37	40.74	40.63	34.77	28.42	33.31	47.41
1	2022 May	Market Pri 4 PM Mkt	29.64	41.52	39.31	39.52	40.74	39.56	34.77	30.51	43.63	48	47.91	44.17	43.31	36.49	32.58	39.31	39.6	39.66	44.82	39.77	36.72	35	43.41	44.33	39.35	40.53	39.92	35.18	30.68	33.21	40.57
1	2022 May	Market Pri 5 PM Mkt	31.2	40.61	40.65	39.53	39.38	39.52	35.23	33.16	44.47	48.26	48.98	43.95	42.27	36.5	29.71	38.94	39.69	41.63	44.05	40.11	36.52	34.9	45.04	44.52	39.31	41.14	39.62	33.84	31.04	34.2	40.78
1	2022 May	Market Pri 6 PM Mkt	30.68	40.31	40.3	39.25	39.31	39.51	34.63	33.31	43.63	45.8	48.87	42.57	42.12	34.84	33.02	39.07	39.51	40.59	42.67	39.6	35.44	37.05	45.31	42.11	39.31	39.66	39.55	34.87	32.12	34.09	44.84
1	2022 May	Market Pri 7 PM Mkt	30.52	40.29	39.31	37.96	38.68	39.27	34.08	32.54	41.71	45.09	47.29	41.39	40.56	34.46	30.91	37.73	38.09	41.15	42.47	39.6	36.27	36.12	43.88	40.85	39.52	39.64	39.31	34.4	29.58	33.98	40.55
1	2022 May	Market Pri 8 PM Mkt	31.58	40.85	39.31	39.31	39.31	39.19	34.24	34.39	40.57	44.17	45.27	40.79	41.72	35.06	32.36	39.1	39.29	39.69	42.3	39.18	36.16	35.67	40.63	38.94	40.86	39.31	37.82	30.68	26.7	34.78	39.18
1	2022 May	Market Pri 9 PM Mkt	34.38	39.59	40.51	41.6	39.32	39.53	35.3	35.6	40.71	44.38	47.54	41.03	41.71	35.62	33.27	37.82	38.09	39.69	42.07	39.31	35.25	35.99	42.22	39.07	39.1	39.66	38.45	34.58	26.55	34.7	40.05
1	2022 May	Market Pri 10 PM Mkt	36.91	42.51	42.85	39.6	40.31	39.31	35.24	36.08	43.24	45.14	45.31	41.3	40.01	35.48	34.7	39.35	40.6	40.59	43	39.55	36.63	37.82	40.5	40.6	39.6	43.24	37.84	35.04	33.31	36.24	41.56
1	2022 May	Market Pri 11 PM Mkt	34.59	36.69	37.62	35.69	36.42	35.1	32.39	34.77	39.39	39.31	39.3	38.03	36.69	34.58	32.61	35.24	36.51	36.81	37.04	36.17	35.23	35.19	36.65	36.07	35.98	38.23	36.44	31.77	31.86	34.92	38.01
1	2022 May	Market Pri Midnight M	30.48	33.35	32.72	31.29	32.65	32.63	29.31	30.11	33.09	35.34	35.06	35.36	34.59	28.54	29.43	29.39	32.34	33.31	35.29	34.44	31.31	32.82	33.81	33.31	33.31	34.22	32.39	28.46	28.67	29.76	34.67
1	2022 June	Market Pri 1 AM Mkt	22.83	22.41	23.06	21.53	23.08	25.11	27.92	30.68	28.64	32.52	28.76	26.42	26.42	29.39	26.39	24.24	24.67	21.68	22.5	23.15	24.8	27.45	26.91	31.78	29.88	30.56	32.84	30.52	34.13	34.57	
1	2022 June	Market Pri 2 AM Mkt	21.55	21.78	21.57	21.27	21.91	23.75	24.93	26.47	26.88	27.33	25.81	24.17	21.01	26.42	23.57	23.71	23.01	20.75	21.04	22.03	23.13	24.36	25.67	27.75	27.25	26.4	28.75	30.93	29.89	31.85	
1	2022 June	Market Pri 3 AM Mkt	21.26	21.26	21.35	20.92	21.5	23.79	23.98	24.41	24.75	25.22	24.45	23.57	21.82	24.72	23.78	23.29	22.63	20.07	20.21	21.43	22.3	23.57	23.67	25.09	25.25	24.12	26.74	27.9	27.25	27.97	
1	2022 June	Market Pri 4 AM Mkt	21.21	21.04	21.26	20.56	20.93	22.84	23.63	23.84	23.92	24.25	22.17	21.5	23.57	24.44	23.57	23.02	22.13	20.07	19.02	21.21	22.35	23.01	22.97	23.67	23.82	23.79	24.99	26.39	25.27	26.39	
1	2022 June	Market Pri 5 AM Mkt	21.14	21.27	21.21	20.63	20.64	22.83	23.7	23.82	23.74	24.17	23.57	21.28	23.99	24.02	23.25	23.11	22.23	20.07	18.52	21.41	22.36	22.82	23.08	23.59	23.62	23.31	24.88	26.79	24.23	25.78	
1	2022 June	Market Pri 6 AM Mkt	21.59	22.36	22.13	20.68	20.64	23.82	23.98	24.03	25.09	25.63	23.6	21.28	24.12	25.18	23.43	23.57	22.96	20.07	19.01	22.22	22.83	23.35	23.62	24.03	23.57	23.08	26.37	28.8	25.45	28.09	
1	2022 June	Market Pri 7 AM Mkt	24.48	25.57	25.21	21.27	21.2	27.93	28.56	30.31	32.79	33.17	23.7	22.85	30.52	31.68	27.43	27.12	25.67	21.51	21.01	24.68	25.8	27.93	28.67	32.82	23.94	23.01	34.64	35.8	35.34	37.11	
1	2022 June	Market Pri 8 AM Mkt	26.93	28.13	28.59	22.5	21.66	35.67	35.17	38.2	39.4	40.15	25.25	23.25	38.24	37.14	32.78	30.52	28.75	22.41	21.26	28.18	25.31	32.19	34.49	38.29	25.57	23.85	40.25	40.97	39.45	40.13	
1	2022 June	Market Pri 9 AM Mkt	30.51	30.68	33.36	24.22	23.41	40.97	39.41	41.54	42.62	42.21	30.72	24.39	40.97	42.1	38.25	35.43	32.72	23.82	22.41	33.36	35.66	38.24	39.35	41.53	33.36	26.89	44.37	44.31	43.01	44.23	
1	2022 June	Market Pri 10 AM Mkt	33.52	35.18	35.47	26.99	26.39	41.95	42.98	46.1	45.79	47.62	35.53	27.75	47.07	48.12	40.56	38.29	36.53	25.63	23.6	38.21	39.04	41.2	41.44	44.68	38.19	33.04	49.1	48.9	48.54	48.26	
1	2022 June	Market Pri 11 AM Mkt	34.37	36.83	38.18	30.52	30.27	47.69	46.81	49.99	50.27	51.87	38.26	33.17	49.77	54.59	43.44	39.25	38.23	28.29	25.45	39.12	41.29	42.4	44.05	49.36	39.79	36.36	57.12	56.46	53.39	55.42	
1	2022 June	Market Pri Noon Mkt	36.18	38.18	38.3	33	34.94	49.64	51.21	54.47	55.14	56.69	39.73	35.57	53.83	60.18	45.47	40.95	39.28	29	24.79	41.22	44.09	45.88	47.42	54.95	42.93	40.03	63.69	61.83	59.82	61.04	
1	2022 June	Market Pri 1 PM Mkt	37.43	38.83	38.18	33.36	37.47	51.78	55.86	58.09	59.67	59.41	40.28	36.38	57.88	64.69	43.26	42.42	40.17	28.99	28.61	42	46.97	48.02	49.38	60.76	43.24	41.95	73.29	69.69	64.37	68.64	
1	2022 June	Market Pri 2 PM Mkt	36.49	39.28	39.19	31.52	39.66	55.49	59.57	61.05	65.35	62.13	40.43	39.34	62.08	73.71	45.5	43.87	41.59	29.5	29.79	43.28	49.22	49.32	54.38	68.15	44.92	44	88.46	79.62	68.82	75.94	
1	2022 June	Market Pri 3 PM Mkt	37.85	39.34	39.41	34.37	39.41	56.66	62.54	64.96	68.71	62.63	41	40.3	65.91	74.38	47.46	44.27	40.82	24.83	30.27	43.38	50.8	52.85	56.65	73.35	45.7	44.8	100.19	85.06	76.66	81.79	
1	2022 June	Market Pri 4 PM Mkt	37.43	38.91	39.49	35.82	40.09	58.07	64.41	67.83	70.7	61.93	41.48	40.01	68.66	72.69	47.44	44.3	40.13	30.21	31.39	44.75	51.9	54.6	58.67	76.68	46.68	46.05	107.77	89.56	77.78	86.28	
1	2022 June	Market Pri 5 PM Mkt	37.24	39.51	38.56	36.18	40.56	58.82	64.71	67.26	71.88	61.48	41.67	40.31	72.3	70.11	47.43	44.67	40.16	24.58	28.15	45.62	53.34	55.66	61.79	77.76	46.72	46.84	109.34	88.02	77.38	88.71	
1	2022 June	Market Pri 6 PM Mkt	36.57	38.25	38.18	33.36	40.12	57.66	63.12	63.42	67.67	59.71	40.75	41.17	70.17	64.82	46.08	43.33	39.21	30.37	28.38	45.06	52.2	54.8	61.56	76.18	46.69	46.67	89.8	79.5	74.56	79.43	
1	2022 June	Market Pri 7 PM Mkt	35.59	38.01	37.44	36.71	40.04	55.71	59.68	59.54	61.97	57.46	40.21	40.44	66.44	60.62	43.31	41.7	38.27	28.97	27.78	44.21	50.77	51.49	58.88	68.88	45.13	46.03	77.19	70.42	68.38	70.74	
1	2022 June	Market Pri 8 PM Mkt	33.68	35.28	31.04	34.15	39.77	51.02	56.32	54.62	57.29	52.27	39.1	39.95	60.42	57.27	41.48	39.61	37.16	29.11	30.4	42.63	48.02	47.68	53.97	60.57	43.7	44.88	69.24	61.4	59.85	60.77	
1	2022 June	Market Pri 9 PM Mkt	33.36	35.97	35.04	29.68	39.31	48.55	53.82	51.91	54.88	49.21	38.2	39.41	55.99	50.71	40.36	38.88	33.23	29.09	30.17	41.48	45.94	45.05	51	55.48	42.62	43.13	61.79	58.38	55.94	57.47	
1	2022 June	Market Pri 10 PM Mkt	35.35	36.51	34.77	35.59	39.03	46.76	51.73	50.65	53.57	47.56	38.25	38.7	53.23	49.05	40.19	38.12	35.53	30.3	33.36	41.16	44.65	43.46	49.23	52.74	42.16	43.48	59.61	56.59	54.13	53.42	
1	2022 June	Market Pri 11 PM Mkt	26.76	30.63	30.21	33.36	36.52	39.36	41.14	40.15	41.48	40.01	36.78	37.28	41.07	39.19	31.91	34.93	30.49	28.12	30.37	35.36	38.18	37.32	41.51	42.56	40.56	42.04	42.55	42.81	42.29	42.02	
1	2022 June	Market Pri Midnight M	23.57	25.82	24.61	26.75	29.38	33.36	37.08	35.18	38.78	30.57	30.65	31.74	36.87	33.71	27.27	29.72	24.84	24.58	25.81	28.68	35.06	32.76	38.11	38.96	35.51	38.31	39.58	39.01	38.96	39.38	
1	2022 July	Market Pri 1 AM Mkt	37.29	29.14	24.74	27.28	28.59	30.16	30.63	30.37	29.25	28.87	33.07	35.32	35.89	33.05	36.91	37.49	35.9	37.57	37.19	37.38	39.45	39.38	37.62	32.33	40.4	41.57	39.45	26.51	32.22	33.02	30.41
1	2022 July	Market Pri 2 AM Mkt	31.76	25.85	23.09	23.33	24.81	26.92	26.52	27.04	26.52	25.31	28.17	32.13	32.92	31.64	34.24	34.68	31.16	32.84	34.87	29.65	33.08	36.56	36.38	29.91	38.48	39.45	34.99	26.4	26.68	27.82	26.52
1	2022 July	Market Pri 3 AM Mkt	29.58	23.26	21.27	22.35	23.58	23.46	25.08	24.79	23.71	23.71	24.98	28.46	30.14	28.99	30.45	30.03	28.56	33.36	32.38	33.06	28.56	28.56	27.15	27.75	33.7	33.08	33.15	24.76	25.1	24.93	24.35
1	2022 July	Market Pri 4 AM Mkt	26.52	21.72	20.58	21.55	23.09	23.58	24.46	23.57	23.09	21.09	24.13	26.42	27.28	28.63	28.33	26.67	24.04	30.68	29.66	30.42	27.76	27.38	25.08	26.27	34.14	30.28	30.2	24.08	24.2	23.57	23.57
1	2022 July	Market Pri 5 AM Mkt	26.67	21.27	20.68	21.28	23.09	23.58	24.56	23.57	22.36	22.36	24.54	26.35	27.58	28.17	28.12	25.59	25.39	31.76	29.01	30.54	26.96	26.92	28.33	25.24	30.9	28.46	30.01	24.13	24.43	21.95	23.09
1	2022 July	Market Pri 6 AM Mkt	27.43	22.63	20.65	21.26	21.57	24.38	24.69	24.75	22.42	22.13	25.82	28.65	30.47	29.02	30.45	26.19	25.6	34.87	30.49	32.47	27.98	27.41	28.6	25.1	33.3	30.28	31.76	25.28	25.81	23.24	22.79
1	2022 July	Market Pri 7 AM Mkt	34	22.96	21.05	21.48	30.03	31.45	30.47	26.52	22.8	21.67	35.82	37.64	37.55	38.17	38.4	26.67	24.85	40.5	39.45	39.15	41.27	40.79	24.13	24.73	41.94	41.78	39.4	30.69	30.69	23.57	22.88
1	2022 July	Market Pri 8 AM Mkt	37.43	23.27	22.25	22.53	35.02	36.13	36.84	36.64	24.26	23.09	39.05	40.96	40.71	40.95	41.27	32.07	27.38	41.23	41.39	41.63	42.74	42.23	26	26.52	45.61	44.42	42.41	36.07	36.35	25.02	23.57
1	2022 July	Market Pri 9 AM Mkt	41.12	26.54	23.72	25.73	39.26	39.17	40.1	39.72	28.56	27.08	42.02	43.76	43.13	45.83	45.1	36.05	34.52	49.64	47.83	47.08	49.55	48.33	37.23	32.66	50.29	50.68	44.98	40.08	39.45	30.68	28.33
1	2022 July	Market Pri 10 AM Mkt	44.73	30.03	23.75	32.91	40.93	40.78	41.88	41.44	37.19	33.7	46.09	49.32	47.06	49.66	49.64	39.37	37.88	58.08	54.49	54.47	58.19	55.91	39.64	32.88	58.65	59.07	47.81	42.06	41.12	35.19	34.89
1	2022 July	Market Pri 11 AM Mkt	48.79	33.7	34.17	36.56	45.94	44.08	44.61	43.92	37.55	37.53	52.63	54.53	52.14	55.34	56.92	41.79	40.34	67.31	61.6	61.92	67.13	62.96	42.14	40.13	71.64	68.63	50.18	45.68	45.15	36.77	37.55
1	2022 July	Market Pri Noon Mkt	52.19	34.87	28.57	39.73	49.46	47.83	48.56	47.98	39.45	39.45	58.12	59.68	58.42	60.55	61.71	42.12	42.39	81.02	72.5	72.4	78.31	72.63	43.6	44.79	101.26	87.52	52.45	49.39	48.22	39.02	39.74
1	2022 July	Market Pri 1 PM Mkt	56.17	35.99	31.24	41.41	52.3	49.9	52.08	49.55	40.63	41.02	63.63	64.68	60.53	67.68	70.03	44.85	45.58	107.81	85.7	81.75	106.22	92.93	45.98	45.27	146.73	121.73	53.64	51.06	50.27	40.48	41.64
1	2022 July	Market Pri 2 PM Mkt	58.31	37.41	38.56	41.85	56.14	53.27	55.85	52.15	42.18	42.41	72.7	70.87	66.82	76.95	78.04	46.08	47.1	141.69	100.58	113.01	153.24	122.3	46.76	47.57	182.1	151.17	56.26	54.28	54.42	41.47	42.46
1	2022 July	Market Pri 3 PM Mkt	59.34	37.63	39.32	41.87	58.46	54.85	56.88	53.3	42.83	42.98	79.25	78.27	70.34	81.77	80.67	47.16	47.48	155.6	113.68	118.37	173.65	143.29	47.57	49.28	228.6	182.52	55.88	56.75	57.27	42.17	42.79
1	2022 July	Market Pri 4 PM Mkt	59.11	38.19	39.35	42.06	60.48	56.68	58.01	53.3	43.02	44.09	86.61	79.11	72.12	83.78	81.51	47.15	48.1	169.34	103.02	132.55	154.32	161.29	47.95	49.6	263.13	164.65	55.04	58.73	57.81	42.37	43.77
1	2022 July	Market Pri 5 PM Mkt	57.86	39	39.55	42.82	60.48	58.62	58.13	53.42	43.6	44.83	88.64	78.59	71.33	83.41	80.04	47.34	48.21	139.76	121.55	142.17	174.1	140.39	48.15	50.31	264.02	158.01	54.27	60.13	58.44	43.87	44.41
1	2022 July	Market Pri 6 PM Mkt	55.88	39.13	39.58	42.5	58.16	58.21	56.94	51.68	43.89	45.05	86.42	73.37	68.42	79.57	77.5	46.15	48.25	144.2	107.9	135.41	139.58	147.31	47.89	51.67	225.66	134.9	52.04	60.64	56.72	44.04	44.84
1	2022 July	Market Pri 7 PM Mkt	50.21	38.89	39.96	42.11	55.26	55.81	54.87	49.11	42.82	44.88	77.08	66.62	65.41	74.05	69.81	46.31	48.21	112.91	101.45	110.88	125.21	98.3	47.52	51.08	172.15	106.31	50.37	57.94	52.19	43.26	44.61
1	2022 July	Market Pri 8 PM Mkt	47.53	37.61	39.21	41.41	51.17	52.36	50.74	47.12	42.51	43.49	67.25	60.48	60.79	66.12	62.37	44.98	46.5	89.61	79.44	93.83	100.13	87.4	45.98	50.08	114.91	89.25	48.8	52.85	49.15	42.1	43.55
1	2022 July	Market Pri 9 PM Mkt	44.85	36.37	31.7	39.1	48.23	49.86	48.56	46.11	40.79	42.47	62.09	57.05	58.67	62	58.99	43.61	46.32	78.26	71.56	81.77	88.53	72.12	43.95	49.45	107.56	76.12	48.38	49.68	47.7	40.88	42.55
1	2022 July	Market Pri 10 PM Mkt	43.81	30.06	34.84	36.45	47.12	48.64	46.98	42.68	40.19	42.44	57.84	54.27	55.81	58.61	56.5	42.57	45.94	68.17	66.49	75.85	77	67.48	42.73	49.18	86.67	67.86	48.26	48.12	46.72	40.17	42.59
1	2022 July	Market Pri 11 PM Mkt	37.41	34.03	35.28	38.31	38.53	39.21	39.45	38.51	39.82	41.57	41.5	40.82	42.26	42.52	42.07	41.6	43.97	44.75	44.44	47.12	47.39	45.55	42.37	46.62	48.21	45.83	39.12	38.67	39.41	39.45	41.9
1	2022 July	Market Pri Midnight M	34.97	28.75	31.65	34.97	36.11	36.88	36.74	35.81	34.97	36.39	39.12	38.08	39.66	40.16	40.26	39.96	41.13	40.63	40.39	42.38	42.01	41.02	37.41	47.39	42.84	41.14	33.07	35.95	34.7	35.12	37.63
1	2022 August	Market Pri 1 AM Mkt	28.73	34.29	36.14	37.6	34	27.12	26.32	29.07	32.6	33.59	34.72	34.01	32.7	27.2	25.54	26.44	27.17	29.6	30.32	28.18	28.67	26.42	24.89	24.08	25.8	26.08	26.29	24.71	25.27	23.48	24.62
1	2022 August	Market Pri 2 AM Mkt	25.55	28.18	32.3	27.77	28.77	24.31	24.05	25.85	26.87	28.93	30.57	29	29.05	25.41	24.4	25.02	24.73	26.77	28.4	27.98	26.43	24.58	23.47	23.1	23.71	23.88	23.59	22.44	23.94	22.77	23.86
1	2022 August	Market Pri 3 AM Mkt	24.4	25.84	27.06	28.57	26.85	22.17	23.2	24.57	25.26	28.02	26.2	28.16	26.54	24.11	23.59	24	23.28	25.12	26.44	25.41	24.16	23.59	22.77	22.53	23.22	23.51	22.44	21.66	23.28	23.39	23.45
1	2022 August	Market Pri 4 AM Mkt	23.61	25.64	25.58	27.95	25.26	22.38	22.48	23.89	24.6	24.98	25.12	25.38	25.12	21.59	23.64	23.69	23.03	23.78	25.12	23.81	23.1	23.18	22.64	22.57	22.63	22.98	22.15	21.52	23.25	23.34	23.25
1	2022 August	Market Pri 5 AM Mkt	23.41	25.07	25.12	26.94	24.55	23.24	22.29	24.02	24.35	23.96	25.12	25.26	24.69	23.43	23.68	23.68	23.03	23.89	25.12	23.93	22.44	23.1	22.44	22.34	22.44	23.1	21.86	21.27	23.1	23.59	23.18
1	2022 August	Market Pri 6 AM Mkt	24.27	25.88	26.54	28.58	25.47	22.24	22.77	24.77	26.42	26.02	26.41	26.44	24.05	23.52	23.97	24.51	23.59	25.27	26.44	24.21	22.44	23.64	23.59	22.87	23.59	23.59	21.73	22.16	23.61	23.81	21.57
1	2022 August	Market Pri 7 AM Mkt	30.61	35.89	36.54	38.27	32.57	23.28	22.55	32.16	36.53	37.54	35.4	34.29	24.46	23.2	29.86	31.24	29.1	32.9	34.29	24.88	23.51	30.11	30.13	29.37	29.43	29.61	23.03	22.29	30.26	26.44	29.46
1	2022 August	Market Pri 8 AM Mkt	35.6	38.34	39.88	41.31	37.66	23.59	23.1	36.95	38.94	38.64	37.59	37.66	25.64	23.59	33.87	33.91	33.15	36.75	38.07	26.05	23.64	32.79	30.95	30.61	32.07	34.29	23.62	22.67	33.94	34.75	34.29
1	2022 August	Market Pri 9 AM Mkt	39.78	42.27	42.85	43.99	41.4	25.64	24.05	40.81	41.33	42.32	41.41	41.94	29.37	25.02	37.49	37.59	37.52	40.25	41.62	30.61	26.65	36.45	35.51	34.12	36.67	37.89	26.22	23.94	37.25	37.57	37.46
1	2022 August	Market Pri 10 AM Mkt	42.42	47.38	50.26	49.89	45.71	32.73	30.56	42.45	43.07	45.19	44.37	47.4	36.05	27.08	40.85	41.43	41.86	42.11	41.12	37.19	32.84	39.93	37.63	37.57	37.49	41.05	33.22	26.54	40.78	39.88	39.72
1	2022 August	Market Pri 11 AM Mkt	47.12	57.44	61.6	58.61	49.16	33.37	36.07	48.44	49.27	52.97	52.34	55.81	40.23	32.63	45.97	42.43	44.09	44.72	48.47	40.54	36.73	42.67	40.73	40.01	41.86	42.07	27.45	26.54	42.15	41.3	40.72
1	2022 August	Market Pri Noon Mkt	54.15	65.75	73.95	71.11	52.61	36.32	36.84	54.36	55.07	62.3	58.78	63.16	42.77	34.98	49.14	46.72	48.52	48.82	50.95	42.31	38.4	46.34	41.11	42.47	42.16	43.37	34.92	36.62	44.31	41.59	42.59
1	2022 August	Market Pri 1 PM Mkt	62.12	77.6	95.92	89.51	58.76	37.63	39.93	60.49	61.87	71.61	68.37	74.82	46.34	37.38	51.94	47.54	52.68	54.6	55.89	46.12	40.43	49.2	42.41	42.78	44.82	45.31	29.77	36.75	47.68	41.05	44.33
1	2022 August	Market Pri 2 PM Mkt	71.62	103.63	144.8	114.15	62.51	39.6	40.84	67.83	71.47	83.67	81.72	100.46	48.26	39.77	54.68	50.08	58.31	58.98	60.01	43.46	41.87	51.31	43.7	44.85	47.23	47.98	30.71	39.72	50.13	46.31	48.26
1	2022 August	Market Pri 3 PM Mkt	84.85	129.34	179.73	114.15	64.51	41.25	42.26	73.36	79.83	96.83	84.75	128.48	49.07	40	55.97	50.8	62.87	60.72	62.91	44.95	43.19	53.27	44.34	46.34	49.18	49.26	39.77	40.23	51.65	46.78	50.41
1	2022 August	Market Pri 4 PM Mkt	100.19	144.41	178.84	123.93	63.12	42.11	42.41	76.35	85.56	106.48	92.7	112.61	49.26	40.23	56.29	50.95	65.05	62.85	65.46	46.34	44.83	53.8	43.52	47.12	49.82	48.54	39.57	41.8	52.68	47.32	51.82
1	2022 August	Market Pri 5 PM Mkt	110.88	152.87	190.09	124.68	62.88	41.82	42.68	75.63	86.72	113.84	100.5	108.54	49.44	40.25	54.77	50.48	67.96	62.89	67.12	45.94	44.95	53.36	42.98	48.05	50.57	48.26	40.21	41.89	52.78	46.94	53.13
1	2022 August	Market Pri 6 PM Mkt	100.91	141.58	173.51	109.68	60.93	41.58	43.12	72.58	81.06	97.42	72.87	98.17	48.26	40.85	54.53	49.34	66.12	61.56	64.08	45.78	44.54	51.99	42.86	47.24	50.62	47.15	39.85	42.37	51.85	46.34	51.83
1	2022 August	Market Pri 7 PM Mkt	86.8	112.09	129.08	95.89	56.3	40.76	42.64	66.01	71.67	83.07	72.99	76.59	45.43	40	52.16	48.19	62.25	58.6	62.19	45.99	45.73	48.94	42.11	44.94	46.93	44.78	40	41.89	49.89	41.68	49.16
1	2022 August	Market Pri 8 PM Mkt	72.58	83.44	100.55	75.34	50.38	39.52	42.22	60.4	64.65	71.62	63.5	64.66	42.8	39.8	48.94	46.03	56.75	54.65	57.98	42.75	42.06	45.87	42.44	42.85	43.42	41.48	35.61	38.36	48.27	42.94	46.87
1	2022 August	Market Pri 9 PM Mkt	64.24	73.11	86.5	68.25	47.51	39.19	41.48	57.49	60.51	65.8	60.52	61.5	41.61	39.23	48.93	45.97	51.88	53.83	54.71	42.2	40.6	45.85	42.36	43.04	43.42	43.08	38.2	39.81	48.36	42.09	46.79
1	2022 August	Market Pri 10 PM Mkt	59.85	64.53	74.5	61.44	45.81	37.83	41.95	52.07	54.7	59.57	56.09	57	40.59	37.4	46.58	43.25	48.62	49.63	50	41.5	38.59	42.51	39.45	42.18	42.1	42.17	32.97	37.7	44.55	42.22	41.83
1	2022 August	Market Pri 11 PM Mkt	42.19	43.13	44.8	42.84	36.44	35.99	40.17	41.4	41.89	42.39	41.51	42.12	39.16	34.05	37.53	36.94	38.75	39.71	41.4	38.14	36.05	35.23	32.28	34.63	35.02	35.07	33.75	35.07	36.67	34.29	34.94
1	2022 August	Market Pri Midnight M	35.39	39.56	41.11	39.77	33.02	32.48	34.29	37.49	34.41	38.05	36.17	36.88	32.21	27.78	30.6	30.61	35.21	35.05	34.29	33.79	30.54	27.7	26.76	28.27	29.05	29.52	27.69	27.31	29.03	27.78	28.78
1	2022 September	Market Pri 1 AM Mkt	28.77	27.28	27.47	26.47	26.45	26.71	28.47	31.52	29.35	30.32	28.8	30.46	32.36	34.14	31.24	29.6	27.41	26.84	28.21	32.11	31.79	35.16	32.99	27.65	25.96	27.62	25.15	27.36	28.54	23.61	
1	2022 September	Market Pri 2 AM Mkt	26.96	26.47	26.46	25.41	25.05	25.93	27.26	28.61	27.32	28.19	27.32	26.96	28.69	30.32	28.1	26.83	26.56	25.81	27.31	27.8	30.73	31.18	28.61	27.24	26.68	27.21	26.47	26.98	26.96	25.34	
1	2022 September	Market Pri 3 AM Mkt	26.7	25.52	25.31	24.85	24.64	24.77	26.96	26.83	26.71	26.61	26.45	26.44	26.83	28.76	26.99	26.56	25.94	25.49	26.74	26.96	28.21	28.62	27.04	26.71	26.45	26.56	25.82	26.56	26.56	25	
1	2022 September	Market Pri 4 AM Mkt	25.81	25.62	25.15	24.22	24.12	24.56	26.56	26.47	26.5	26.47	25.66	26.04	26.21	27.3	26.85	26.56	25.83	25.15	25.81	26.44	27.32	27.69	27.19	26.47	25.67	26.25	23.3	26.96	26.47	25.77	
1	2022 September	Market Pri 5 AM Mkt	25.96	25.83	24.68	24.21	24.15	24.44	26.45	26.44	26.54	26.12	24.76	26.04	26.04	26.83	26.04	27	25.84	23.14	26.04	26.31	27.32	27.32	27.32	26.04	25.74	23.66	25.59	26.47	25.93	26.04	
1	2022 September	Market Pri 6 AM Mkt	25.85	26.04	24.7	24.26	24.1	25.15	26.84	26.68	26.93	26.29	25.46	26.5	26.75	28.21	27.05	27.29	25.71	24.75	27.1	27.37	28.52	27.97	30.47	26.47	25.75	26.89	25.91	26.98	26.51	26.55	
1	2022 September	Market Pri 7 AM Mkt	32.17	30.94	24.8	24.43	24.51	30.48	36.76	35.72	36.97	26.47	25.78	36.05	36.53	38.52	35.98	36.01	26.43	25.19	34.66	35.99	38.6	38.71	40.4	26.91	26.25	35.99	32.99	34.27	32.4	32.49	
1	2022 September	Market Pri 8 AM Mkt	36.76	36.63	25.46	24.61	24.9	35.16	38.72	38.57	38.7	26.91	26.45	38.5	38.7	41.38	38.38	41.89	26.98	26.44	36.93	38.6	39.68	38.62	41.08	27.32	26.96	38.43	35.84	38.52	35.31	36.12	
1	2022 September	Market Pri 9 AM Mkt	38.52	38.72	26.91	25.9	25.76	38.71	38.68	41.43	38.94	30.43	26.96	42.03	42.08	42.64	41.53	42.22	28.9	27.06	38.42	41.52	42.8	42.78	42.94	29.41	28.81	43.31	36.81	41.38	36.99	36.29	
1	2022 September	Market Pri 10 AM Mkt	42.84	39.05	31.49	27.47	27.32	40.36	42.44	42.5	42.92	35.76	31.49	42.94	43.03	43.37	43.43	44.31	34.61	26.56	41.25	43.7	43.59	43.01	43.64	35.63	32.43	43.43	38.64	39.96	38.52	38.03	
1	2022 September	Market Pri 11 AM Mkt	43.43	43.32	34.95	30.32	32.34	42.8	43.17	43.59	43.26	38.65	35.16	43.52	44.63	42.24	46.05	44.02	36.28	32.46	41.5	44.84	44.16	44.8	45.47	38.73	35.88	41.65	41.38	42.4	38.5	38.43	
1	2022 September	Market Pri Noon Mkt	43.23	44.22	37.13	33.74	34.47	43.1	44.37	44.08	44.07	40.36	38.61	45.42	48.89	47.85	49.55	47.16	37.65	37.69	45.47	47.5	47.47	47.98	47.45	36.99	36.13	41.38	41.76	43.59	40.53	38.52	
1	2022 September	Market Pri 1 PM Mkt	48.15	47.27	38.2	32.07	36.32	44.43	46.7	46.11	46.63	43.07	41.38	50.02	52.26	51.06	51.14	50.29	38.64	38.42	45.78	49.86	50.21	50.84	50.36	38.84	38.25	41.93	43.37	43.59	41.72	38.52	
1	2022 September	Market Pri 2 PM Mkt	50.94	50.6	38.17	37.41	38.54	47.75	49.84	49.85	50.6	43.51	42.09	53.49	58.06	52.7	53.07	51.42	38.52	38.6	50.36	50.9	53.2	53.93	52.13	40.58	38.6	45.81	43.65	43.43	41.53	38.52	
1	2022 September	Market Pri 3 PM Mkt	52.15	51.26	38.52	37.89	38.83	50.4	52.36	52.06	52.55	43.51	43.03	58.85	62.1	55.08	55.68	51.38	38.72	38.69	52.65	52.82	56.79	56.73	52.94	42.5	38.02	46.01	41.62	43.64	42.61	38.87	

2	2022	September	Market Pri	4 PM Mkt	53.06	53.06	39.51	37.1	38.6	51.63	52.84	52.59	53.89	43.78	43.28	61.31	65.34	55.86	55.83	51.04	38.59	38.76	55.33	55.49	59.45	59.67	54.04	39.58	37.67	45.76	43.43	43.85	43.3	38.63	
1	2022	September	Market Pri	5 PM Mkt	53.9	51.87	38.68	37.09	40.38	52.76	54.76	52.56	55.12	43.9	43.53	61.87	68.93	56.42	55.69	50.59	38.6	38.85	56.59	56.38	60.78	59.65	52.9	39.25	38.75	47.09	44.08	44.6	42.19	38.59	
1	2022	September	Market Pri	6 PM Mkt	52.76	52.55	40.06	38.35	40.27	52.55	54.26	52.27	53.39	43.57	43.69	63.35	66.13	55.83	54.33	49.3	36.6	36.75	55.75	55.59	59.93	58.68	51.34	41.18	35.16	45.76	44.78	43.43	38.64	38.79	
1	2022	September	Market Pri	7 PM Mkt	50.99	49.86	38.61	37.33	39.1	50.4	51.97	50.36	51.02	43.47	41.36	58.74	60.77	53.03	52.58	46.97	38.82	39.64	53.65	52.16	56.03	54.55	49.85	40.23	35.33	45.68	43.64	43.58	38.66	38.73	
1	2022	September	Market Pri	8 PM Mkt	48.34	46.36	38.63	35.16	38.6	48.26	49.77	48.51	47.77	43.01	43.21	56.93	59	52.31	52.92	45.37	38.58	39.44	52.59	52.18	53.92	54.66	48.33	41.17	36.75	46.77	42.7	43.43	38.61	38.58	
1	2022	September	Market Pri	9 PM Mkt	48.92	43.43	38.31	34.73	38.59	47.93	49.3	48.35	46.97	42.85	43.59	56.34	56.38	52.51	52.36	44.12	38.52	38.72	51.82	50.79	51.65	53	47.27	41.18	40.24	46	43.64	43.63	41.72	38.63	
1	2022	September	Market Pri	10 PM Mkt	44.79	41.91	35.58	34.93	38.46	43.98	44.62	43.86	43.79	40.13	40.36	50.6	50.95	48.6	48.29	42.85	37.58	38.83	46.87	46.59	46.16	48.77	43.85	38.73	38.43	43.28	42.14	42.06	38.49	36.86	
1	2022	September	Market Pri	11 PM Mkt	38.4	35.95	33.48	32.12	35.16	38.29	38.6	38.72	40.06	38.6	38.59	42.38	43.59	41.38	38.53	35.85	35.57	36.4	41.48	38.62	38.61	41.53	37.88	36.02	36.04	35.88	36.66	37.15	30.53	30.73	
1	2022	September	Market Pri	Midnight M	32.62	30.71	29.68	28.59	29.99	34.95	37.04	35.5	35.48	35.05	35.11	38.42	38.52	38.38	33.57	30.59	30.73	32.32	36.86	35.16	37.21	37.1	33.03	31.49	32.42	29.57	30.13	33.05	26.96	25.15	
1	2022	October	Market Pri	1 AM Mkt	29.46	28.35	35.56	36.96	37.75	36.33	30.22	28.68	26.38	27.89	28.21	28.13	29.7	28.21	28.03	26.16	26.61	27.51	28.59	28.39	28.2	27.89	26.55	27.51	27.76	28.89	28.44	28.06	28.89	26.38	26.03
1	2022	October	Market Pri	2 AM Mkt	28.24	27.73	33.67	34.62	34.15	32.85	27.79	26.21	26.07	26.92	26.67	27.73	27.74	26.76	27.14	25.82	26.38	26.61	26.61	26.96	26.61	26.61	26.05	27.65	27.37	28.2	27.89	26.96	27.64	26.38	26.02
1	2022	October	Market Pri	3 AM Mkt	27.51	26.52	31.95	31.6	31.53	28.28	26.96	26.55	25.64	27.32	26.43	26.21	27.24	26.39	26.61	24.87	26.39	25.82	26.2	26.61	26.13	26.69	25.64	27.19	26.5	26.96	27.39	26.61	27.51	26.2	26.03
1	2022	October	Market Pri	4 AM Mkt	26.94	26.1	30.25	28.19	28.78	28.33	26.4	26.59	25.49	26.84	26.2	26.31	26.61	26.2	27.07	24.18	25.82	25.29	26.38	26.41	26.21	26.2	25.5	26.55	26.21	26.6	26.94	26.65	27.51	26.04	26.2
1	2022	October	Market Pri	5 AM Mkt	26.53	25.63	30.44	29.68	29.56	28.01	26.45	26.38	25.24	26.9	26.21	26.55	26.55	26.42	26.11	23.85	26.21	25.82	26.38	26.35	26.2	25.88	25.07	26.96	27.07	28.24	27.54	26.61	26.96	26.21	26.61
1	2022	October	Market Pri	6 AM Mkt	26.6	26.02	35.84	35.68	35.82	32.49	27.89	26.4	25.55	27.89	27.89	27.89	27.89	27	26.21	24.31	27.26	27.27	27.68	27.48	26.75	26.2	25.5	30.36	30.17	31.9	32.51	28.78	27.89	26.52	28.23
1	2022	October	Market Pri	7 AM Mkt	27.74	26.4	41.64	42.03	41.17	41.37	38.6	26.61	26.03	39.9	38.34	40.53	40.68	37.68	26.53	25.52	40.43	38.79	38.59	39.85	38.01	26.55	26.2	40.7	40.87	40.98	40.9	40.77	31.67	27.07	40.84
1	2022	October	Market Pri	8 AM Mkt	29.12	27.89	44.22	43.64	42.93	44.28	42.97	28.67	26.61	41.42	41.01	43.67	42.84	40.7	28.59	26.2	43.49	40.91	40.88	40.86	40.58	28.3	27.62	43.44	43.81	44.22	43.98	42.84	35.23	28.96	43.98
1	2022	October	Market Pri	9 AM Mkt	35.13	31.79	44.79	44.76	44.05	44.21	43.71	35.89	28.5	42.84	40.7	43.23	41.02	40.82	30.32	26.96	41.93	40.88	42.84	41.04	40.83	31.14	28.13	44.6	44.22	44.32	44.24	43.79	37.55	32.55	43.67
1	2022	October	Market Pri	10 AM Mkt	37.15	37.97	44.48	44.97	43.67	44.49	44.24	36.42	31.92	43.67	41.32	43.79	43.78	43.49	35.58	30.52	41.3	42.97	42.02	43.18	41.7	35.98	32.43	44.57	44.36	43.67	44.42	43.91	38.72	31.85	43.05
1	2022	October	Market Pri	11 AM Mkt	38.33	37.91	45.16	44.85	45.03	45.11	43.93	39.39	33.27	43.51	41.45	43.73	43.92	40.97	37.22	32.88	42.6	41.63	42.7	43.67	41.48	38.48	33.36	44.23	43.93	44.22	44.23	42.99	38.23	30.25	43.67
1	2022	October	Market Pri	Noon Mkt	39.53	40.54	46.13	45.51	45.05	44.96	43.93	39.5	35.07	43.78	43.67	43.42	44.81	43.49	38.5	35.26	42.84	43.47	42.34	43.85	43.74	38.63	33.85	44.27	43.67	42.2	43.33	43.54	37.95	30.29	42.78
1	2022	October	Market Pri	1 PM Mkt	40.7	40.02	46.98	46.52	46.02	46.12	43.79	37.8	30.29	44.39	43.79	42.84	43.79	43.3	35.88	35.58	42.88	43.13	42.97	42.45	40.89	36.86	35.48	44.85	44.42	40.83	43.18	40.7	35.79	29.66	41.62
1	2022	October	Market Pri	2 PM Mkt	39.93	40.47	48.85	48.56	47.83	44.35	44.39	37.39	35	43.75	43.68	43.97	43.56	41.62	38.38	36.36	43.67	42.97	42.59	41.93	42.57	36.1	34.34	44.77	44.39	44.18	42.88	40.7	31.79	29.33	41.64
1	2022	October	Market Pri	3 PM Mkt	40.56	40.9	50.05	49.58	49.54	46.58	43.72	36.18	33.57	43.67	42.84	44.39	44.1	42.84	35.28	35.12	42.28	41.48	44.01	42.88	40.86	35.02	32.58	44.39	43.67	41.03	42.84	40.89	30.14	28.33	43.1
1	2022	October	Market Pri	4 PM Mkt	40.23	40.81	51.52	49.91	50.05	46.88	43.46	36.05	33.13	43.97	43.9	43.57	43.62	43.22	38.64	36.51	41.93	41.8	43.72	42.08	40.92	34.96	32.9	44.18	43.93	41.02	41.75	40.6	28.89	28.13	41.54
1	2022	October	Market Pri	5 PM Mkt	40.58	42.84	52.28	50.83	50.57	47.58	43.58	35.79	32.92	43.47	43.61	43.8	44.07	44.2	37.5	37.12	42.42	42.84	42.99	42.93	40.81	34.6	32.44	45.12	44.18	40.91	42.99	40.69	29.19	28.26	42.67
1	2022	October	Market Pri	6 PM Mkt	40.83	43.68	51.25	50.79	50.02	46.87	42.96	37.72	35.35	43.74	43.8	43.59	44.29	42.84	37.05	35.8	42.47	42.87	44.21	43.67	40.8	36.1	35.81	44.72	44.65	42.99	43.37	40.89	30.29	36.54	43.3
1	2022	October	Market Pri	7 PM Mkt	40.7	42.98	49.66	50	49	46.05	42.99	38.12	38.24	43.74	44.22	44.2	44.48	44.03	36.72	37.46	42.48	43.95	43.77	44.1	42.89	37.9	38.72	44.99	44.7	43.73	44.42	41.24	36.39	38.77	42.89
1	2022	October	Market Pri	8 PM Mkt	40.9	44.39	50.53	50.12	50.5	48.4	43.67	40.49	40.55	44.66	45.32	43.67	45.27	43.65	38.56	40.43	43.38	43.58	44.21	41.97	42.84	38.41	40.75	44.63	45.05	44.87	43.81	42.96	37.09	38.4	43.29
1	2022	October	Market Pri	9 PM Mkt	40.83	45.01	48.53	48.24	48.27	45.13	43.67	39.06	40.34	43.12	44.39	43.75	43.86	43.67	35.87	40.92	43.54	43.58	43.79	43.67	40.88	37.38	40.86	44.9	44.42	44.65	44.32	40.7	36.37	37.06	43.44
1	2022	October	Market Pri	10 PM Mkt	39.23	43.17	45.36	45.2	44.96	44.83	40.82	36.28	38.98	43.37	42.88	43.39	43.67	43.73	37.77	38.89	41.92	43.3	41.67	42.84	40.9	35.81	37.99	44.39	44.94	44.12	43.6	42.53	33.02	35.52	40.9
1	2022	October	Market Pri	11 PM Mkt	37.93	42.55	43.21	42.84	43.78	40.82	37.35	33.29	36.59	38.06	39.22	39.24	38.58	37.17	33.25	36.35	36.61	37.07	39.96	37.28	37.45	32.55	36.02	37.77	37.83	37.68	37.68	36.16	28.89	30.22	31.27
1	2022	October	Market Pri	Midnight M	33.88	39.9	40.57	40.42	39.03	37.29	33.02	28.74	32.26	32	34.7	35.8	33.87	31.98	27.8	30.29	30.67	32.53	34.4	32.8	30.09	27.89	32.51	30.29	32.02	32.01	30.89	30.2	27.66	27.51	27.71
1	2022	November	Market Pri	1 AM Mkt	26.44	26.65	27.8	26.25	26.65	24.47	26.11	26.65	26.48	27.56	28.21	27.72	25.28	26.25	26.99	29.43	35.18	38.48	35.11	26.55	27.93	29.73	32.65	27.08	28.5	31.58	26.1	26.67	29.42	32.35	
1	2022	November	Market Pri	2 AM Mkt	25.97	25.85	27.25	25.66	25.44	23.97	25.78	26.06	25.78	26.57	27.05	26.51	24.35	25.76	26.25	26.24	34.5	35.56	32.1	26.25	27.56	29.28	30.28	26.25	27.77	28.71	25.65	26.24	28.53	31.76	
1	2022	November	Market Pri	3 AM Mkt	25.86	25.57	26.25	25.7	24.82	23.83	24.83	25.86	24.96	26	26.65	26.06	24.18	25.01	26.45	25.85	33.78	35.85	30.39	26.2	26.99	28.72	28.34	25.85	27.83	28.2	25.5	25.66	27.75	31.13	
1	2022	November	Market Pri	4 AM Mkt	25.76	25.85	26.63	24.99	24.42	23.83	24.93	25.85	25.3	26.05	26.67	26.06	24.12	25.01	25.92	26.25	32.93	34.36	31.14	25.97	27	27.73	31.09	25.85	27.93	27.93	25.27	25.72	26.99	32.32	
1	2022	November	Market Pri	5 AM Mkt	26.16	26.63	26.78	25.55	24.31	23.65	25.38	25.85	25.79	26.23	27.08	26.06	23.95	25.51	25.87	27.08	34.52	37.76	31.05	26.05	27.61	30.11	33.27	25.79	28.85	27.92	25.01	26.25	27.56	32.62	
1	2022	November	Market Pri	6 AM Mkt	27.56	28.83	30.15	27.78	25.85	23.75	26.99	26.99	26.99	27.93	30.84	26.65	24.2	26.99	28.06	30.78	39.06	40.74	32.53	26.24	31.6	33.42	38.62	26.25	32.36	30.37	25.33	28.93	31.19	37.37	
1	2022	November	Market Pri	7 AM Mkt	38.21	41.5	41.21	39.06	25.41	23.77	38.85	39.09	39.14	41.25	42.45	27.79	24.56	39.06	38.67	42.05	46.71	47.08	33.78	27.3	43.39	41.04	46.37	26.75	40.52	30.55	26.11	39.05	41.23	45.2	
1	2022	November	Market Pri	8 AM Mkt	42.93	43.9	43.96	43.24	26.55	24.44	42.7	41.81	44.36	43.82	46.19	28.88	25.61	43.2	42.87	44.17	47.39	48.02	38.15	28.11	46.4	46.37	47.32	28.63	44.69	33.09	26.65	43.64	42.69	47	
1	2022	November	Market Pri	9 AM Mkt	43.96	44.34	43.14	41.85	29.01	26.01	44.98	41.58	44.16	44.07	45.77	32.35	26.65	43.73	43.95	44.99	47.21	47.96	40.79	31.47	46.68	46.6	47.42	31.32	45.51	38.7	27.78	44.66	44.24	47.03	
1	2022	November	Market Pri	10 AM Mkt	42.74	44.61	44.64	44.41	32.62	27.75	44.36	41.84	44.46	45.22	45.21	34.64	28.15	44.35	43.58	45.14	47.38	47.54	40.83	32.92	46.63	46.21	47.69	37.66	45.17	39.17	29.71	44.34	44.38	46.96	
1	2022	November	Market Pri	11 AM Mkt	44.18	44.28	44.5	44.98	36.3	29.15	44.34	43.75	45.34	44.34	45.65	36.56	30.04	44.66	43.95	46.16	46.85	47.77	40.48	33.1	46.88	46.34	47.37	38.15	45.47	41.03	30.99	44.94	44.5	47.2	
1	2022	November	Market Pri	Noon Mkt	43.11	44.42	43.99	44.5	36.58	29.21	44.78	42.86	45.2	44.5	44.96	35.42	30.29	44.66	43.6	46.44	46.4	47.7	39.29	33	46.32	45.71	46.81	40.3	44.97	38.46	33.78	45.48	44.36	47	
1	2022	November	Market Pri	1 PM Mkt	40.95	44.66	43.89	44.28	35.82	30.38	44.34	41.2	44.66	42.62	43.97	35.98	30.31	44.28	41.76	46.51	47.31	47.31	37.94	31.94	46.61	44.12	47.45	36.59	44.54	37.83	33.25	45.13	44.34	46.96	
1	2022	November	Market Pri	2 PM Mkt	40.79	43.99	44.28	44.78	34.62	30.17	44.44	40.97	44.78	44.66	44.13	33.92	30.39	44.49	41.85	46.05	46.54	46.83	36.39	30.43	45.59	44.66	47.51	29.68	43.41	36.41	32.92	44.72	44.42	46.61	
1	2022	November	Market Pri	3 PM Mkt	40.74	43.8	44.53	44.34	31.15	29.18	44.66	41.42	44.32	44.48	44.42	32.57	29.93	44.28	42.59	45.39	46.8	46.37	35.59	30.09	45	44.78	46.83	28.21	43.37	33.31	33.73	44.85	44.35	46.76	
1	2022	November	Market Pri	4 PM Mkt	38.95	43.75	43.61	43.83	26.65	28.25	45.06	41.48	44.34	44.08	43.77	32.56	29.87	44.66	41.35	46.27	46.15	46.38	35.97	30.15	46.34	44.66	47.26	28.27	43.55	33.67	32.84	45.04	44.28	46.79	
1	2022	November	Market Pri	5 PM Mkt	41.28	44.28	44.02	43.76	36.56	31	44.9	41.66	44.28	44.66	43.97	32.8	30.58	44.94	44.28	46.64	47.24	46.84	35.63	33.78	46.51	45.71	47.76	28.23	44.02	35.87	37.66	46.34	45.55	46.94	
1	2022	November	Market Pri	6 PM Mkt	44.28	44.78	44.98	44.66	36.71	37.3	45.37	41.94	45.19	46.13	44.98	37.04	37.06	46.61	44.88	48.12	48.16	46.89	41.76	40.65	46.93	47.03	50.24	33.78	46.47	41.63	41.13	46.47	47.68	50.18	
1	2022	November	Market Pri	7 PM Mkt	44.45	46.3	45.32	44.66	38.06	38.4	44.34	44.47	46.37	46.22	45.5	37.94	38.95	46.53	45.15	47.96	50.24	47.69	41.78	40.78	46.81	49.02	49.39	38.61	47.85	42	42.85	46.83	47.52	51.17	
1	2022	November	Market Pri	8 PM Mkt	44.44	45.16	45.82	44.66	37.48	37.28	44.95	44.48	45.71	45.73	45.46	37.37	37.32	45.73	44.11	47.54	48.72	47.56	40.84	41.52	47.48	47.57	47.55	39.01	47.16	41.22	40.83	46.73	46.74	49.5	
1	2022	November	Market Pri	9 PM Mkt	42.11	45.32	43.92	44.04	34.27	38.15	44.28	43.18	44.78	44.98	44.66	35.76	36.1	44.66	41.85	46.81	47.73	46.85	39.12	40.54	46.29	47.43	47.03	37.99	46.97	38.82	39.24	44.66	46.61	47.56	
1	2022	November	Market Pri	10 PM Mkt	43.32	44.54	41.69	41.64	30.15	32.81	43.66	43.16	43.85	44.54	42.69	31.38	32.83	43.54	43.1	46.63	47.58	47.16	37.66	38.79	46.06	47.28	46.34	36.75	45.18	36.63	38.16	44.32	45.74	47.62	
1	2022	November	Market Pri	11 PM Mkt	31.81	34.54	30.64	31.34	27.56	27.93	35.9	33.78	36.64	37.66	37.01	27.9	28.16	35.51	36.6	42.76	43.05	42.87	33.32	32.2	40.4	42.68	40.8	33.15	40.94	30.29	29.32	37.5	41.54	43.86	
1	2022	November	Market Pri	Midnight M	28.3	30.48	27.59	28.33	26.05	26.41	28.43	28.09	28.49	29.61	29.99	26.24	26.67	30.2	29.11	40.51	39.99	40.43	28.16	28.17	32.79	37.37	32.74	30.81	36.56	27.58	27.78	31.9	37.66	41.19	
1	2022	December	Market Pri	1 AM Mkt	31.34	34.84	36.18	32.79	30.34	39.75	43.21	41.86	43.24	43.06	35.85	30.54	34.8	39.52	33.53	36.68	38	38.51	36.55	45.38	45.04	42.77	35.78	26.27	27.01	27.82	27.57	25.88	26.68	29.85	29.5
1	2022	December	Market Pri	2 AM Mkt	30.84	34.34	34.49	28.95	30.09	37.11	43.04	41.07	41.56	41.22	32.34	30.64	32.44	37.41	32.5	34.63	37.58	33.38	34.63	42.99	43.06	38.91	34.31	28.09	26.27	26.53	26.85	27.58	26.58	28.74	28.24
1	2022	December	Market Pri	3 AM Mkt	30.15	32.95	33.12	28.31	28.49	35.03	42.94	38.28	37.78	40.72	30.28	30.15	32.53	37.22	31.67	33.94	35.72	33.53	33.84	41.89	43.25	37.74	32.91	24.45	25.88	26.15	26.3	25.8	26.27	27.42	27.84
1	2022	December	Market Pri	4 AM Mkt	30.64	33.05	32.02	28.5	30.41	35.06	43.2	39.3	40.52	38.51	30.53	30.15	31.37	38.26	32.35	34.4	33.81	34.27	37.26	41.52	42.85	38.51	32.19	26.92	25.88	26.61	26.26	27.42	26.27	27.52	26.68
1	2022	December	Market Pri	5 AM Mkt	33.18	33.97	32.4	28.95	32.83	36.8	43.3	43.09	41.74	38.9	32.74	27.62	36.01	39.05	34.2	35.07	34.63	34.81	39.15	43.4	43.82	42.73	32.02	26.68	26.08	27.83	24.44	27.78	26.66	26.82	27.45
1	2022	December	Market Pri	6 AM Mkt	37.51	38.94	36.69	29.2	37.51	44.85	45.99	45.35	43.52	41.97	32.86	41.57	41.93	43.22	41.17	39.03	37.94	34.42	45.09	46.89	45.91	43.35	34.91	28.23	26	27.95	28.95	28.95	28.64	28.28	28.17
1	2022	December	Market Pri	7 AM Mkt	47.32	47.98	37.63	28.74	48.38	49.89	51.24	51.24	49.52	44.86	34.02	47.68	47.96	50.94	47.63	47.79	41.3	36.29	49.88	51.31	50.95	49.22	44.62	25.88	25.88	28.11	38.36	38.51	38.94	38.94	28.71
1	2022	December	Market Pri	8 AM Mkt	49.79	49.87	42.82	31.18	50.86	51.49	52.07	52.71	51.05	45.96	38.94	52.24	51.25	52.26	51.04	49.68	45.95	41.98	51.16	53.87	53.19	51.28	46.38	26.27	27.58	30.57	43.14	42.52	38.51	43.05	32.05
1	2022	December	Market Pri	9 AM Mkt	48.02	49.73	45.57	37.53	50.65	50.64	51.27	50.95	50.95	46.84	41.28	50.53	50.95	51.4	49.87	49.83	45.92	44.37	51.53	53.58	52.41	50.94	46.77	34.63	30.29	34.7	43.74	43.74	44.97	45.55	34.46
1	2022	December	Market Pri	10 AM Mkt	48.13	49.51	45.63	37.05	50.57	50.02	50.95	50.87	51.01	46.75	43.04	50.22	50.3	50.34	50.58	50.04	46.7	45.16	51.27	51.18	51.24	50.68	47.27	37.55	31.74	37.45	44.77	45.53	46.09	45.81	36.56
1	2022	December	Market Pri	11 AM Mkt	49.11	49.7	44.96	39.83	50.65	50.31	51.24	50.95	51.3	47.38	41.7	50.32	49.51	50.9	49.71	49.65	46.71	41.16	51.3	50.85	50.91	50.56	46.57	37.2	30.95	38.51	45.16	45.27	46.8	46.33	39.38
1	2022	December	Market Pri	Noon Mkt	49.17	49.65	45.79	40.19	50.69	49.67	50.51	51.04	50.95	46.5	41.86	49.71	49.68	50.9	49.68	49.73	45.17	43.02	51.05	50.84	50.69	50.03	46.33	35.44	32.02	38.39	44.53	45.79	46.87	46.44	38.11
1	2022	December	Market Pri	1 PM Mkt	47.67	49.73	44.35	37.32	49.86	49.65	49.9	50.23	50.95	44.06	39.89	49.54	47.82	50.25	49.68	49.31	45.33	39.26	50.7	49.68	49.94	47.96	46.03	33.66	28.95	33.84	43.36	44.95	44.93	46.46	32.76
1	2022	December	Market Pri	2 PM Mkt	47.79	48.83	44.94	38.51	49.68	49.56	49.72	50.32	51.24	43.1	38.51	48.44	47.39	50.62	49.67	49.49	42.97	39.03	50.74	49.65	49.73	48.8	44.82	30.75	28.23	32.45	42.68	43.77	46.47	45.87	31.73
1	2022	December	Market Pri	3 PM Mkt	48.97	47.08	43.09	34.87	49.7	49.31	49.64	50.25	49.81	43.36	34.8	49.43	47.44	50.36	49.69	47.96	41.85	38.33	49.72	49.64	49.67	47.93	42.73	30.15	27.02	30.97	42.5	44.95	46.6	43.72	31.16
1	2022	December	Market Pri	4 PM Mkt	48.99	48.8	43.56	35.56	49.55	49.62	49.55	50.71	50.11	43.41	34.63	49.46	47.96	50.78	49.68	47.82	42.9	38.42	49.71	49.7	49.68	47.06	42.54	30.15	25.84	30	41.52	45.48	46.55	43.46	30.23
1	2022	December	Market Pri	5 PM Mkt	49.69	49.66	45.47	39.64	50.5	49.58	51.24	50.95	50.95	45.35	40.42	49.71	49.66	51.28	49.7	48.83	46.02	40.68	50.89	50.87	50.61	47.79	43.46	32.33	27.01	33.04	42.41	46.55	47.51	45.15	31.49
1	2022	December	Market Pri	6 PM Mkt	51.15	50.76	47.45	46.34	53.55	53.66	55.92	55.91	52.79	47.48	46.12	52.5	53.65	57.93	53.22	51.07	47.23	46.64	56.55	51.82	53.56	50.47	47.82	37.28	29.83	42.84	46.8	48.38	47.96	47.6	37.79
1	2022	December	Market Pri	7 PM Mkt	51.27	50.87	47.49	46.56	55.91	55.55	57.99	56.62	54.34	47.88	46.56	54.45	56.73	58.41	53.59	51.47	47.79	47.55	58.59	56.67	55.62	50.93	47.82	37.31	30.28	43.07	47.41	48.71	48.83	47.73	39.75
1	2022	December	Market Pri	8 PM Mkt	50.95	50.95	46.79	45.81	53.18	54.75	57.38	55.27	52.71	47.47	46.82	52.69	55.9	57.21	52.1	50.89	47.23	46.87	57.35	56.01	54.88	50.95	47.41	36.54	30.64	34.63	47.14	47.45	47.57	46.8	38.51
1	2022	December	Market Pri	9 PM Mkt	49.71	50.55	46.57	45.79	51.28	53.52	55.22	52.28	51.33	47.3	46.36	50.79	53.95	53.73	50.31	50.47	46.91	46.83	53.39	53.52	52.68	49.89	46.69	34.77	30.25	42.37	46.82	46.31	46.82	46.06	36.54
1	2022	December	Market Pri	10 PM Mkt	49.57	49.71	45.11	41.94	50.46	51.3	51.57	50.89	50.4	46.1	44.84	50.37	50.95	50.82	50.4	49.62	46.65	46.98	52.84	52.71	50.75	49.69	45.94	32.53	28.95	38.71	45.59	44.43	45.93	44.96	32.51
1	2022	December	Market Pri	11 PM Mkt	44.66	45.93	42.69	38.51	46.29	47.82	48.74	47.28	47.8	45.07	41.35	46.6	47.25	46.56	45.79	46.44	45.11	45.79	49.22	49.03	47.37	45.17	37.29	30.4	27.95	33.23	36.8	34	36.26	34.63	30.45
1	2022	December	Market Pri	Midnight M	39.88	40.18	35.42	33.46	38.51	45.79	45.79	45.42	45.37	40.66	33.64	40.61	38.51	39.25	42.51	43.3	42.85	39.23	45.79	45.96	45.79	41.47	32.35	28.87	26.31	28.84	29.82	30.04	31.77	30.99	26.5

EXHIBIT 9

Thomas Cmar

From: Tyson Kamuf <tkamuf@smsmlaw.com>
Sent: Tuesday, June 25, 2013 5:24 PM
To: Shannon Fisk; Michael Kurtz; Hans, Jennifer (KYOAG); Jim Miller; Chris Hopgood; myates@dklaw.com; tbrite@bbtel.com; Cook, Larry (KYOAG); Howard, Dennis (KYOAG); Kurt Boehm; childerslaw81@gmail.com; Billie.Richert@bigrivers.com; tip.depp@dinsmore.com; Richard.Raff@ky.gov; Mark Bailey; Nguyen, Quang D (PSC); Burns Mercer; Kelly Nuckols; gstarheim@kenergycorp.com; robb.kapla@sierraclub.org; joe@jchilderslaw.com; Thomas Cmar; deanna.speed@bigrivers.com
Subject: RE: Big Rivers' revised responses to SC Supplemental Requests, Case No 2012-00535

Shannon,

Please note that certain information contained in this email is confidential and has been filed under petitions for confidential treatment. In response to the statements in your letter from yesterday regarding SC 2-3, [redacted] Big Rivers has provided all the detail that is available in the PCM and financial model runs on the confidential CD submitted in its second response to SC 2-3. For the capital and FDE costs used in Big Rivers financial model provided on the confidential CD in its second response to SC 2-3, Big Rivers [redacted] The adjustments for the Wilson restart in 2019 can be found in the financial model file on the tab labeled "Bud. Adj." in cells [redacted] Big Rivers FDE forecast for years [redacted] that were used in the financial model can be found on the tab labeled "O&M". Big Rivers capital forecast for years [redacted] that were used in the financial model can be found on the tab labeled "Capex & Depr". [redacted]

In response to the statements in your letter regarding SC 2-2(d), Big Rivers stated in PSC 2-21(c), "Wilson Station will be idled until such time the off-system power market price increases above the all-in cost (fixed and variable) of operating the plant less the costs of lay-up, or until such time Big Rivers is successful in acquiring a new load to replace the available capacity as a result of Century's exit." As stated in SC 2-2(d), Big Rivers evaluated production cost model runs Sens. 3 – Wilson idled and Sens. 4 – All Running in the financial model. Utilizing these two production cost model runs in the financial model, Big Rivers evaluated whether Wilson would recover the all-in cost in the power market.

In response to SC 1-22(d), Big Rivers provided the FDE cost savings by idling Wilson Station. It can be seen in that table that in 2016 the O&M fixed cost savings for idling Wilson is [redacted] Therefore, Wilson must have margins in the power market above this amount to cover its all-in cost and determine if it is beneficial to run in 2016. On the PCM run Sens. 4 – All Running on the Annual ISO Style Costs tab, Row 55, the Wilson net margins are calculated. In 2016, the net margins are [redacted] which is less than the FDE savings therefore it is beneficial for Wilson to be idled. In 2019, the net margins for Wilson are [redacted] and it is beneficial for Wilson to be restarted.

The files on the CD in Big Rivers' second response to SC 2-2 include the hybrid production cost model run of Sens. 3 – Wilson Idled and Sens. 4 – All Running and the financial model results of this hybrid run. The hybrid run displays Wilson being idled in September, 2013 and restarting in 2019.

Finally, your letter asks for additional information:

- Your letter states, "In the six production cost modeling runs that Big Rivers produced...." Note that there were five production cost modeling runs performed. On the CD provided in the response, there are six production cost modeling files (one file is a hybrid of Sens. 3 – Wilson Idled and Sens. 4 – All Running where Wilson is restarted in 2019) and the financial model for the hybrid run (Wilson idled in September, 2013 and restarted in 2019).

- Your letter asks us to identify the difference between the "DI_BREC BREC" prices and the "DI_BRECGen" prices. In the MISO market, Big Rivers receives an LMP (locational marginal price) for each generator and an

LMP for load. For the most part there are four LMP prices for the generators (1) all three Coleman units, (2) the two Green units and two HMP&L units, (3) the two Reid units, and (4) the Wilson unit. In the production cost models, the DI_BREC BREC prices are the forecasted LMP for Big Rivers load and the DI_BRECGen prices are the forecasted LMP for Big Rivers' generators excluding Coleman generators. Also, there is a DI_Coleman representing the forecasted LMP for the Coleman generators.

- Your letter asks, "Define the suffixes OFF, ON, and ATC. If OFF and ON refer to off-peak and onpeak, what hours are considered on-peak? Is ATC synonymous with 'All Hours'?" OFF and ON do refer to off peak and on peak respectively. OFF (off peak) represents the times from 10 PM to 6 AM and weekends. ON (on peak) represents the times from 6 AM to 10 PM on weekdays only. ATC (around the clock) is synonymous with "All Hours."

- Your letter asks us to define the prefixes DI and Pwr. DI represents derived index. When the production cost model calculates a value internally in the program (price is not inputted directly), DI is used as a prefix. For example, in the case of power prices (LMP's), a forward price curve is directly inputted into the production cost model. Based on various indices, the production cost model program will use that same forward price curve and derive prices for the load (DI_BREC.BREC), the generators excluding Coleman (DI_BRECGen) and the Coleman generators (DI_Coleman). Pwr is an abbreviation for Power.

- Your letter asks us to identify the rate of inflation from 2013 to 2027 assumed in the modeling. From 2017 through 2027 [redacted] was used in the financial model. In the production cost models, the US Zero Coupon Inflation rate [redacted] was used to inflate the non-fuel VOM costs for the generators (file is attached). The fuel pricing was inflated by [redacted] file is attached).

- Your letter asks, Explain the differences between the coal prices provided in the response to SC 2-5 and the coal prices found on the 'Annual Prices' tab of the production cost modeling runs." The coal prices found on the "Annual Prices" tab are from [redacted] These coal prices are not being used in the production cost model calculations. The coal prices provided in SC 2-5 are the forecasted delivered coal prices utilizing Big Rivers existing long term contracts, spot fuel purchases and forecasted delivery costs. The coal prices provided in SC 2-5 are being used in the production cost models.

Tyson Kamuf
Sullivan, Mountjoy, Stainback & Miller, P.S.C.
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From: Shannon Fisk [mailto:sfisk@earthjustice.org]
Sent: Mon 6/24/2013 5:25 PM
To: Tyson Kamuf; Michael Kurtz; Hans, Jennifer (KYOAG); Jim Miller; Chris Hopgood; myates@dklaw.com; tbrite@bbtel.com; Cook, Larry (KYOAG); Howard, Dennis (KYOAG); Kurt Boehm; childerslaw81@gmail.com; Billie.Richert@bigrivers.com; tip.depp@dinsmore.com; Richard.Raff@ky.gov; Mark Bailey; Nguyen, Quang D (PSC); Burns Mercer; Kelly Nuckols; gstarheim@kenergycorp.com; robb.kapla@sierraclub.org; joe@jchilderslaw.com; Thomas Cmar
Subject: RE: Big Rivers' revised responses to SC Supplemental Requests, Case No 2012-00535

Mr. Miller and Mr. Kamuf,

Please find attached a letter regarding Big Rivers' revised response to Sierra Club's Supplemental Requests for Information in this proceeding.

Thanks,

Shannon

From: Tyson Kamuf [mailto:tkamuf@smsmlaw.com]
Sent: Friday, June 21, 2013 12:21 PM
To: Michael Kurtz; Shannon Fisk; Hans, Jennifer (KYOAG); Jim Miller; Chris Hopgood; myates@dklaw.com; tbrite@bbtel.com; Cook, Larry (KYOAG); Howard, Dennis (KYOAG); Kurt Boehm; childerslaw81@gmail.com; Billie.Richert@bigrivers.com; tip.depp@dinsmore.com; Richard.Raff@ky.gov; Mark Bailey; Nguyen, Quang D (PSC); Burns Mercer; Kelly Nuckols; gstarheim@kenergycorp.com; robb.kapla@sierraclub.org; joe@jchilderslaw.com; Thomas Cmar
Subject: Big Rivers' revised responses to SC Supplemental Requests, Case No 2012-00535

Counsel:
Pursuant to the Public Service Commission's June 19 order in this matter, please find attached Big Rivers' revised responses to Items 2, 3, 4, 5, and 8 of Ben Taylor and Sierra Club's Supplemental Requests for Information, absent the attachments. The attachments consist of 9 Excel files. Due to the size of those files, I will attempt to send them in 2 separate emails. If anyone does not receive those 2 emails from me shortly, please let me know.

Tyson Kamuf
Sullivan, Mountjoy, Stainback & Miller, P.S.C.
100 St. Ann Street, P.O. Box 727
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(270) 926-4000
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COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

Application of Big Rivers Electric Corporation)
For a General Adjustment in Rates) **CASE NO. 2012-00535**
)

VERIFICATION

I, Frank Ackerman, verify, state, and affirm that I prepared or supervised the preparation of the testimony filed with this Verification, and that my testimony is true and accurate to the best of my knowledge, information, and belief formed after reasonable inquiry.

Frank Acker

Frank Ackerman

STATE OF MASSACHUSETTS)
COUNTY OF MIDDLESEX)

Subscribed and sworn to before me, a Notary Public, in and before said County and State, by Frank Ackerman, this ____ day of June, 2013.

JANICE CONYERS
Notary Public
Commonwealth of Massachusetts
My Commission Expires
July 27, 2018

Notary Public

My Commission expires: 7/27/18

CERTIFICATE OF SERVICE

I certify that I had filed with the Kentucky Public Service Commission and served a copy of this public version of SUPPLEMENTAL TESTIMONY OF FRANK ACKERMAN via U.S. Mail and email on June 28, 2013 to the following:

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President CEO
Big Rivers Electric Corporation
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