National Grid

The Narragansett Electric Company

Gas Long-Range Resource and Requirements Plan for the Forecast Period 2019/20 to 2023/24

Pursuant to the Joint Memorandum in RIPUC Docket No. 4816

July 2, 2019

Submitted to:
Rhode Island Division of Public Utilities and Carriers
Submitted by:

nationalgrid

Filing Letter

Robinson+Cole

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July 2, 2019

VIA HAND DELIVERY & ELECTRONIC MAIL

Luly E. Massaro, Clerk
Rhode Island Division of Public Utilities and Carriers
89 Jefferson Boulevard
Warwick, RI 02888

RE: Gas Long-Range Resource and Requirements Plan for the Forecast Period 2019/20 to 2023/24 Pursuant to the Joint Memorandum in RIPUC Docket No. 4816

Dear Ms. Massaro:

Enclosed are five (5) copies of National Grid's[1] recently completed Long-Range Gas Supply Plan (LRP) for the forecast period 2019/20 to 2023/24. Pursuant to Rhode Island General Laws § 39-24-2, the Company files its LRPs with the Rhode Island Public Utilities Commission (PUC) on a bi-annual basis. The Company filed its last LRP with the PUC in March 2018 in Docket No. 4816; therefore, this LRP is not statutorily required.

Rather, the Company is submitting this LRP to the Division of Public Utilities and Carriers (Division) in order to fulfill the purposes of the proposal contained in the February 20, 2019 Joint Memorandum of National Grid and the Division in Docket No. 4816 (Joint Memorandum). In light of the fact that the PUC has taken no action on the Joint Memorandum, the Company is not filing this LRP with the PUC; however, by copy of this letter, we are providing this LRP to the PUC's counsel for informational purposes.

This LRP is based upon the Company's most recent June 2019 forecasts that, absent unanticipated modification, will also be used in the Company's Gas Cost Recovery filing this year. This LRP is designed to demonstrate that the Company's gas-resource planning process

[1] The Narragansett Electric Company d/b/a National Grid (National Grid or the Company).

has resulted in a reliable resource portfolio to meet the combined forecasted needs of the Company's Rhode Island customers at least-cost.

Charts IV-E-1, IV-E-2, and Tables VI-A-1, VI-A-2, VI-A-3 and VI-A-4 that accompany this LRP contain confidential gas pricing information that the Company would not customarily release to the public. The Company would, under ordinary circumstances, file a confidential version of these tables with a motion for protective treatment of the redacted information under R.I. Gen. Laws § 38-2-2(4)(B) and the standard for protection of confidential commercial information in *Providence Journal v. Convention Ctr. Auth.*, 774 A.2d 47 (R.I. 2001). Given that this LRP is not being filed in any ongoing docket, this avenue is not available. Accordingly, the Company is providing redacted versions of Charts IV-E-1, IV-E-2, and Tables VI-A-1, VI-A-2, VI-A-3 and VI-A-4 with this filing and is willing to provide the confidential versions to the Division and their consultant upon execution of a non-disclosure agreement.

Thank you for your attention to this matter. Please contact me if you have any questions.

Very truly yours,

Steven J. Boyajian

Enclosure

cc:
Leo Wold, Esq., Division
Margaret Hogan, Esq., PUC
Jennifer Brooks Hutchinson, Esq., National Grid

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I. Introduction

This filing presents the Long-Range Resource and Requirements Plan (Long-Range Plan) for The Narragansett Electric Company d/b/a National Grid (Company), for the gas supply forecast period November 1, 2019 through October 31, 2024. The Company is submitting this Long-Range Plan to the Rhode Island Division of Public Utilities and Carriers (Division) in order to fulfill the purposes of the proposal contained in the February 20, 2019 Joint Memorandum of the Company and the Division in Docket No. 4816 (Joint Memorandum).

The Company is a public utility under the provisions of R.I. Gen. Laws § 39-1-2 and provides natural gas sales and transportation service to approximately 269,000 residential and commercial customers in 33 cities and towns. Pursuant to Rhode Island General Laws § 39-24-2, the Company files a Long-Range Plan with the Rhode Island Public Utilities Commission (PUC) on a bi-annual basis. The Company filed its last Long-Range Plan with the PUC in March 2018 in Docket No. 4816; therefore, this Long-Range Plan is not statutorily required. Rather, the Company is submitting this Long-Range Plan to the Division as an update to the March 2018 Long-Range Plan in accordance with the Joint Memorandum.

Similar to the March 2018 Long-Range Plan pursuant to Rhode Island General Laws § 39-24-2, this Long-Range Plan consists of a long-range energy plan for the five-year period subsequent to the date of filing and includes all assumptions and methodologies that the Company used in formulating the plan. In addition, Section V of this Long-Range Plan contains a description of the Joint Memorandum and the information to be included in the Long-Range Plan, together with a reference to the specific section of the Long-Range Plan or Chart where such information can be found. This plan is designed to demonstrate that the Company's gas-resource planning process has resulted in a reliable resource portfolio to meet the combined forecasted needs of the Company's Rhode Island customers at least-cost. To make this demonstration, the Long-Range Plan presented herein includes the following information: (i) a description of the methodology the Company uses to forecast demand on its system; (ii) a discussion of the process and assumptions that the Company uses to develop its resource portfolio to meet customer requirements under design-weather conditions; and (iii) a complete inventory of the expected available resources in the Company's portfolio, and (iv) a demonstration of the adequacy of the portfolio to meet customer demands under a range of weather.

II. Overview of Planning Results

As described in detail in this filing, the Company's planning process is based on a comprehensive methodology for forecasting customer load requirements using a series of econometric models to determine the annual growth expected for Residential Heating, Residential Non-Heating, Commercial, and Industrial markets. To determine the projected growth over the forecast period, the econometric models used historical economic, demographic, and energy price data, as well as weather data to determine total energy demand. The Company then analyzed load reductions expected to be achieved through the implementation of its revised

energy-efficiency programs, because such reductions are exogenous to the demand forecast generated by the econometric models.

The results of the Company's Base Case retail demand forecast (see Chart III-B-1) indicates that, over the 5-year forecast period Planning Year 2019 through Planning Year 2024, the residential heating market is projected to increase by an average of 260,000 dekatherms per year, the Residential Non-Heating market is projected to decrease by an average of 5,200 dekatherms per year, and the Commercial and Industrial markets are projected to grow by 146,000 dekatherms per year. The Company projects that growth opportunities in non-traditional markets over the forecast period are reflected in the results of the econometric models. The Company is not projecting any incremental growth in these markets beyond what it experienced in the historical period upon which the models are based.

As explained below, the Company's demand forecast is then converted to supply requirements at the Company's citygates. The end result of the forecasting process is that projected sendout requirements increase over the forecast period, averaging 292 MDth (approximately 0.8 percent) per year under normal weather conditions (see Section III.D.2.).

To ensure that the Company maintains adequate supplies in its portfolio to meet the projected customer load requirements, the next step in the planning process involves an analysis to define the planning standards for the coldest planning year, known as the "design year", and the coldest planning day, known as the "design day". The Company's instant Long-Range Plan relies on the planning standards as defined in its 2018 Long-Range Plan. The Company's design year is defined as 6,250 heating degree days (HDD) with a probability of occurrence of 1 in 37.47 years, and its design day is defined as 68 HDD with a probability of occurrence of 1 in 58.92 years. The Company has also included its design hour planning standard, which represents a 5% peak-hour factor (i.e. the peak hour requirement represents 1/20th of the peak day requirement). Combining the results of the design planning standards definition and the load forecasting process, the Company is projecting its Base Case design year sendout requirements to increase over the forecast period by an average of 330 BBtu, or approximately 0.8 percent, per year (see Section III.F.), and design day sendout to increase by an average of 2,526 Dth, or 0.8 percent, per year. The design hour is also expected to increase over the forecast period (see Table IV-A-4).

After the forecast of customer requirements are determined, the next step in the Company's planning process is to design a resource portfolio to meet those requirements in the most reliable and least-cost manner possible. To that end, the Company uses the SENDOUT® Model (a proprietary linear programming model) to determine the adequacy of the existing portfolio in meeting the forecasted requirements and to identify any shortfalls during the forecast period. SENDOUT® allows the Company to determine the least- cost, economic dispatch of its existing resources, subject to contractual and operating constraints, and identifies the need for and type of additional resources during the forecast period, if any. To evaluate the flexibility and adequacy of the resource portfolio under a range of reasonably foreseeable conditions, the portfolio is assessed under design and normal weather conditions, as well as a cold snap weather scenario. For the cold-snap weather scenario, the Company used a 14-day cold snap occurring in the coldest 14-day period of the Company's normal year (8 January - 21 January) by evaluating

January weather data from 1977/78 to 2016/17. The Company uses the results of the cold snap scenario to test the adequacy of inventories and refill requirements. The Company also applies the peak-hour requirement to its Synergi Gas® network analysis modeling software. The Company's resource plan is sufficient to meet design year load requirements throughout the forecast period with the addition of incremental capacity, citygate delivered purchases, and/or incremental liquefied natural gas (LNG) resources.

Communications regarding this Long-Range Plan should be directed as follows:

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Section 3

III. Forecast Methodology

III.A. Introduction

The Company's forecast methodology supports its supply planning goal to ensure that it maintains sufficient supply deliverability in its resource portfolio to meet customers' requirements on the design day and that it maintains sufficient supply under contract and in storage (underground storage and LNG) to meet customers' requirements over the design year. Each year, the Company employs the same process of preparing a multi-year forecast in order to ensure that the portfolio has sufficient resources for the upcoming winter period, as well as sufficient time to contract for additional resources should they be required. The term "customer" as used herein means those customers for whom the Company must make capacity planning decisions.[1]

The Company develops its underlying demand forecast from econometric models of its customer billing data. This data is available by month and by rate class. The Company developed the retail forecast presented herein in mid-2019 and, absent modification, it will be the same forecast that will underlie in the Company's 2019 Gas Cost Recovery filing.

The Company models its daily resources and requirements with its SENDOUT® linear programming software modeling package and, hence, it needs as input a forecast of daily customer requirements.

Accordingly, the Company developed its 5-year forecast of customer requirements under design-weather planning conditions using the following process:

(1) <u>Forecast Retail Demand Requirements</u>

Retail demand requirements are based on customer billing data, which is available by rate class and by month. The Company uses a series of econometric models to develop a forecast of retail demand requirements for traditional markets (i.e., Residential Heating, Residential Non-Heating, Commercial, and Industrial customers). The forecast of retail demand requirements for traditional markets is summed to determine the total retail demand requirements over the forecast period. This forecast of retail demand is disaggregated into monthly billed and unbilled volumes and, hence, can be calendarized for supply planning purposes.

[1] The Company makes capacity planning decisions for its Sales and non-Capacity Exempt Transportation (Customer Choice) customers.

(2) Develop Reference Year Sendout Using Regression Equations

The daily values of the Company's wholesale sendout in the reference year (April 2018 – March 2019) serves as the basis of allocating the monthly retail demand forecast to the daily level. Because actual sendout data for the reference year is a function of the weather conditions experienced in that year, the Company develops this allocator for sendout using regression equations to normalize the sendout in the reference year based on normalized weather data.

(3) Normalize Forecast of Customer Requirements

The Company's monthly retail demand forecast is allocated to the daily level based on the use of its daily wholesale sendout regression equation and its normal daily heating degree day data. This step sets the Company's total normalized forecast of customer requirements over the forecast period.

(4) Determine Design Weather Planning Standards

The Company performs a determination of the appropriate design day and design year planning standards for the development of a least-cost reliable supply portfolio over the forecast period.

(5) Determine Customer Requirements Under Design Weather Conditions

Using the applicable design day and design year weather planning standards, the Company determines the design year sendout requirements and the design day sendout requirements. These design sendout requirements establish the Company's resource requirements over the forecast period.

(6) Spatial (zip code) Peak Volume Forecast

For each zip code, customer monthly billing data is used to build monthly meter count and volume models for the major rate codes. Then, an optimization process is employed to convert this zip code level monthly volume forecast into daily values. The Company then ensures that this design weather zip code level forecast sums to the Company-level forecast to provide a zip code level view of design day customer requirements for system planning purposes.

Based on the forecast, the Company projects Base Case growth in customer requirements for its Sales and Customer Choice customers of 1,458 MDth over the forecast period, or 292 MDth per year (assuming normal weather) (see Section III.D.2.). Overall, this growth in firm sales represents a 4.0 percent total increase in sendout requirements over the forecast period, or 0.8 percent per year on average.

The development of the Company's 5-year forecast of customer sendout requirements, based on the steps set forth above, is described in the following sections.

III.B. Retail Demand Forecast

The first step in the Company's forecasting methodology is the generation of its retail demand forecast, which is prepared through econometric and statistical modeling.

III.B.1. Demand Forecast for Traditional Markets

III.B.1.a. Service Territory Specific Data Availability

The Company used its monthly customer billing data (volume and number of customers) for the period August 2010 through February 2019 to define the dependent variables in its econometric models. The billing data was modeled at the level of four major classes of customers (Residential Heating, Residential Non-Heating, Commercial, Industrial). Each of these four classes included the Sales customer sub-class, the Customer Choice customer sub-class, and the "zero-capacity" (i.e., grandfathered Transportation) customer sub-class. The table below lists the relevant major groups and the Company's internal rate codes used in the Company's analysis.

	Internal Rate Codes
Residential Heating	400, 402
Residential Non-Heating	401, 403
Commercial	404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 425, 430, 433, 434, 439, 440, 443, 444, Z407, Z411, Z415
Industrial	417, 418, 419, 420, 421, 422, 423, 424, 428, 437, 438, 441, 442, Z419, Z423

III.B.1.b. Econometric Models

With volume and customer data as identified above, the Company developed econometric models for the number of customers and use-per-customer (the quotient of the division of volume and number of customers) for each rate code. The Company's econometric modeling effort was to regress each of the two dependent variables against an array of possible independent variables and select the equation with the best fit.

By using historical economic, demographic, and energy price data listed in Chart III-B-3 as the independent variables, the Company estimated statistically valid econometric equations for each customer class. The Company obtained the economic and demographic data from Moody's Analytics, Inc. (Moody's), https://economy.com (economy.com), using forecasts from March 2019.

Additionally, the Company tested time variables, actual Heating Degree Days, actual Billing Degree Days, and natural gas and oil prices from the U.S. Department of Energy, Energy Information Administration.

The Company then reduced the results of its statistical forecast models to account for the incremental impact of the energy efficiency programs sponsored by the Company. The energy efficiency programs that the Company analyzed for this forecast were those submitted by the Company in Docket No. 4888 in its 2019 Energy Efficiency Program Plan, dated October 15, 2018, which was the most recent data available at the time of the forecast's preparation. The Company subtracted the incremental savings from the programs that are not embedded in the historical data used to derive the statistical models, because such savings are exogenous to the modeling effort.

III.B.2. Final econometric models for the Company's demand forecast

The Company develops its retail demand forecast from econometric models of its customer billing data. The Company developed the retail forecast presented herein in mid-2019, which is the same forecast that will be used in the Company's 2019 Gas Cost Recovery filing. Summary charts and tables comparing this forecast with the Company's 2018 forecast are presented in Chart III-B-1, Chart III-B-2, Chart III-B-4, and Chart III-B-5.

III.B.3. The Impact of the Energy Efficiency Programs

On August 30, 2017, the Company filed its 2018-2020 Energy Efficiency and System Reliability Procurement Plan in Docket No. 4684. The primary goal of the Energy Efficiency plan is to create energy (both gas and electric) and economic cost savings for Rhode Island consumers as required by the least cost procurement law, R.I. Gen. Laws § 39-1-27.7. The goal of the natural gas energy efficiency programs is annual reduction in usage; there are no programs that are specifically targeted toward peak reduction.

Because the Company's econometric forecast is based on historical data, which does not fully incorporate the increasing penetration of the Company's energy efficiency programs in the Residential and Commercial and Industrial sectors, the Company reviewed its historical energy efficiency efforts to see if its retail demand forecast required any adjustment to reflect the increases in energy efficiency efforts. Analysis of the Company's historical energy efficiency programs shows that historical data should have embedded within annual savings of 226,572 MMBtu for Residential customers and 234,479 MMBtu for Commercial and Industrial customers. These figures are based on the three-year average of 2016 through 2018 actual energy efficiency savings. The Company uses a three-year average in lieu of the most recent year to smooth out the year-to-year fluctuations that may occur. The Company's analysis indicated no further adjustment was required to its forecast this year.

III.C. Translation of Retail Forecast into Customer Requirements

In the second step of the Company's forecasting methodology, the Company uses linear regression equations of total daily sendout versus daily temperature for the most recent 12 months to calculate a reference-year by division. This serves as the most accurate way for the Company to allocate its monthly demand forecast into its future daily customer requirements. This step is used to determine the Company's normal year forecast of customer requirements over the forecast period for gas cost recovery purposes, and to determine the Company design year forecast of customer requirements over the forecast period for resource planning purposes. To perform its regression analysis, the Company used version 3.5.3 of the "R" statistical software package.[2]

III.C.1. Wholesale Volume by Division

To establish normal-year springboard sendout requirements, the Company developed a linear-regression equation for each of its four divisions (formerly Providence Gas, Westerly Gas, Bristol and Warren Gas, and Valley Gas) using data for the reference-year period April 1, 2018 through March 31, 2019. The Company's regression equation uses sendout as its dependent variable and temperature as its independent variable.[3]

Through the use of the linear-regression equation, the Company is able to normalize total daily sendout. Specifically, the actual daily firm sendout is regressed against: (1) HDD data as provided by its weather service vendor Weather Services International, (2) HDD data lagged

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[2] "R is a language and environment for statistical computing and graphics. It is a GNU project which is similar to the S language and environment which was developed at Bell Laboratories (formerly AT&T, now Lucent Technologies). R can be considered as a different implementation of S. There are some important differences, but much code written for S runs unaltered under R. . . . R is available as Free Software under the terms of the Free Software Foundation's GNU General Public License in source code form. It compiles and runs on a wide variety of UNIX platforms and similar systems (including FreeBSD and Linux), Windows and MacOS." Source: https://www.r-project.org/about.html (The R Project for Statistical Computing).

[3] Sendout includes both Sales and supplier service (Customer Choice) customer requirements, as well as the Company's Capacity Exempt customers.

over two days, and (3) a weekend dummy variable. These data elements were selected for the regression analysis since these elements have been, and continue to be, the major explanatory variables underlying the Company's daily sendout requirements.

The Company selected the T.F. Green International Airport weather station (KPVD or T.F. Green) as the source of the weather data used as the principal explanatory variable in its regression equations. The Company selected the T.F. Green weather station because it is close to the center of the Company's service territory, on a load-weighted basis, and it is highly correlated with surrounding weather stations. Specifically, the Company used the HDD value for each 24-hour period of 10:00 a.m. to 10:00 a.m., which constitutes the gas day and, therefore, corresponds to the same daily time period of observation of the sendout data.

Based on its observations of the historical relationship between total sendout and HDD, the Company chose to develop its regression equation as a segmented model, i.e., a "regression model where the relationships between the response and one or more explanatory variables are piecewise linear, namely represented by two or more straight lines connected at unknown values: these values are usually referred as breakpoints".[4]

Since a significant portion of the Company's sendout is due to space heating usage and space heating only occurs when average air temperatures fall below a certain level, the segmented model serves as an excellent starting point for modeling the relationship between sendout and HDD. Linear modeling of sendout is appropriate since the Company has not observed any non-linear characteristics in sendout at cold temperatures.

The Company's segmented model equation includes variables the following variables: Intercept is the MMBtu sendout predicted at HDD=0, Slope1 is the MMBtu/HDD usage below the Breakpoint HDD level, Slope2 is the incremental MMBtu/HDD usage above the Breakpoint HDD level, the Standard Error is expressed in MMBtus, and the Breakpoint HDD is the HDD value at which space heating equipment is observed to turn on. The signs of the Slope1 and Slope2 coefficients (positive) imply that as temperatures get colder and HDD increases in value, the sendout will increase, which agrees with what the Company typically observes.

Based on observations of daily sendout, the Company has observed that weekday and weekend sendout requirements are different at similar HDD levels. The Company's regression equations include a second independent variable, a weekday/weekend dummy variable, set to 0 for Mondays through Thursdays, 1 on Fridays and Sundays, and 2 on Saturdays. The sign of the coefficient (negative) implies that, for a given HDD level, loads will be lower on Friday through Sunday as compared to Monday through Thursday (i.e., weekend compared to the workweek).

Finally, the Company has observed a correlation between lagged temperature and the residuals of the above equation, so the Company has added a third independent variable: the difference between HDD on day *t* and mean of the HDD on day *t-1* and day *t-2*. The differences were used in lieu of the actual lagged values to avoid correlation among the independent

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[4] Source: "Segmented: an R package to fit regression models with broken-line relationships," R News, Volume 8/1, May 2008, at page 20.

variables. The underlying theory of this analysis is that heating requirements increase as two consecutive days of cold weather occur, which cools down structures to a greater degree than would be experienced on a single day. The introduction of the third independent variable added another incremental improvement in the adjusted R^2 of the equations. The sign of the coefficient (negative) implies that, if a day is colder than the average of the previous two days, the increase in sendout will be somewhat lower than what would be forecast without the coefficient, and vice versa.

The functional form of the equation, in pseudo code, is then:

```
Sendout = Intercept Coefficient +
          Weekend Dummy Coefficient * Weekend Dummy Variable +
          Slope1 Coefficient * min(HDDt, Breakpoint HDD) +
          if(HDDt<=Breakpoint HDD) {0} else {(Slope1 Coefficient
            + Slope2 Coefficient) *
            (HDDt - Breakpoint HDD)} +
          Lagged Delta HDD Coefficient * (HDDt - average(HDDt-1, HDDt-2)
```

These regression equations capture the observed characteristics of the Company's sendout requirements by gas division. The observed characteristics include the following: (1) sendout requirements are directly related to HDD; (2) sendout requirements are affected by HDDs that occur over a multi-day period; and (3) sendout requirements differ by day of the week. Thus, the Company has developed a set of reliable regression equations to describe wholesale gas sendout by division. Using a series of daily normal HDDs, these equations allow the Company to calculate its history of normalized wholesale gas sendout for each of its four gas divisions.

III.C.2. Wholesale Volume by End-Use

In addition to its segmented regression equations for each gas division, the Company runs similar regression equations for the sum of its four divisions for its capacity-eligible FT-1, capacity-exempt, and non-firm sales customers to best characterize the daily usage patterns of each of these customer groups. Subtracting the daily actual volumes for each of these groups from total daily wholesale sendout, the Company can also characterize the daily usage patterns of its remaining customers: Sales and FT-2. The Sales and FT-2 data are combined since they are not daily-metered customers and their volumes can only be inferred.

These regression equations capture the observed characteristics of the Company's sendout requirements by end-use. The observed characteristics include the following: (1) sendout requirements are directly related to HDDs; (2) sendout requirements are affected by HDDs that occur over a multi-day period; and (3) sendout requirements differ by day of the week. Thus, the Company has developed reliable regression equations to establish the basis upon which future sendout requirements can be forecast. Moreover, the Company has further developed a set of reliable regression equations to describe wholesale gas sendout by end-use. Using a series of daily normal HDDs, these equations allow the Company to calculate its history of normalized wholesale gas sendout by end-use.

Using its forecast of retail demand and an appropriate set of daily HDD values for a design year, the Company can successfully plan its operational requirements to provide a low-cost, adequate, and reliable supply of natural gas to its customers.

III.C.3. Comparison of Historical Retail and Wholesale Volumes to Determine Unaccounted For Gas

To align its historical and forecasted retail volumes to its wholesale data, the Company calculates its unaccounted-for ('UFG') percentage by which the retail data will be inflated to wholesale levels. For the most recent (September 2017 – August 2018) period, the Company's monthly retail volumes match the wholesale volumes to within 1.9 percent, a value that both agrees with expected UFG and indicates that the Company has adequately captured all customer volumes.

III.D. Normalized Forecast of Customer Requirements

The third step in the Company's forecasting methodology is to develop a forecast of customer requirements under normal weather conditions for its demand forecast.

III.D.1. Defining Normal Year for Ratemaking Purposes

To establish the normal year's daily HDD data for ratemaking purposes, the Company calculated the average annual number of HDDs for the T.F. Green (KPVD) weather station for the 10-year period from April 2007 through March 2017, with an average of 5,422 HDD, as documented in its 2017 rate case (RIPUC Docket No. 4770).

The Company then prepared a "Typical Meteorological Year" by selecting, for each calendar month, the month in the T.F. Green weather database that most closely approximated the 10-year average HDD and standard deviation for each month. A summary of the monthly averages for the T.F. Green weather site is listed in the chart below.

Month	HDD	Standard Deviation
Jan	1,083	8.7
Feb	946	7.8
Mar	812	7.6
Apr	464	6.9
May	191	5.4
Jun	41	2.4
Jul	0	0
Aug	2	0.2
Sep	65	3.0
Oct	316	6.8
Nov	610	7.5
Dec	892	7.9
Total	5,422	

Average Monthly HDD and Average of Monthly Standard Deviations for the T.F. Green International Airport Weather Station

III.D.2. Defining Load Attributed to Customers Using Utility Capacity

For the third step of the Company's forecasting methodology set forth in Section III.A, above, the Company allocated the monthly retail volumes to the daily level based on the 2018/19 reference-year regression equations, using normal year HDD, to yield the forecast of Sales, FT-2

(Customer Choice), and FT-1 (pipeline) customer requirements under normal weather conditions for its demand forecast, based on a 365-day year.

	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
Heating Season	25,741	25,841	25,995	26,220	26,441	26,796
Non-Heating Season	10,725	10,786	10,873	10,961	11,100	11,128
Total	36,466	36,627	36,868	37,181	37,541	37,924
Per-Annum Growth		161	241	313	360	383
Per-Annum Growth (%)		0.4%	0.7%	0.8%	1.0%	1.0%

Base Case Normal Year Customer Requirements for Capacity Planning (MDth)

III.E. Design Planning Standards

In the fourth step of the Company's forecasting methodology, the Company determines the appropriate design day and design year planning standards to develop a least-cost, reliable supply portfolio over the forecast period.

III.E.2. Design Year and Design Day Planning Standards

The Company's planning standards represent the defined weather conditions and consequent sendout requirement that must be met by the Company's resource portfolio. The Company's instant Long-Range Plan relies on the planning standards as defined in its 2018 Long-Range Plan. The Company's design year and design day standards are listed in the chart below.

Element	Value
Design Year HDD	6,250
Frequency of Occurrence	1 / 37.47 years
Design Day HDD	68
Frequency of Occurrence	1 / 58.92 years

Design Year and Design Day Criteria

As described below, the Company's analysis of the design year and design day standards demonstrate that these standards are appropriate.

III.E.2.a. Design Day Standard

The purpose of a design day standard is to establish the amount of system-wide throughput (interstate pipeline and underground-storage capacity plus local supplemental capacity) that is required to maintain the integrity of the distribution system. In this filing, the Company defines its design day standard at 68 HDD with a probability of occurrence of once in 58.92 years, as a result of its ongoing review of planning standards.

The Company established its design day standard using a three-step process. First, the Company performed a statistical analysis of the coldest days recorded over a historical period. Second, the Company conducted a cost-benefit analysis to evaluate the cost of maintaining the resources necessary to meet design day demand versus the cost to customers of experiencing service curtailments. Third, the Company identified a design day standard that would maintain reliability at the lowest cost.

To perform the statistical analysis necessary to identify the appropriate design day standard, the Company used recorded daily HDD values based on 6,040 observations at the T.F. Green weather site for the November through March periods of 1977/78 through 2016/17. In previous long-range supply plan submissions, the Company had selected the coldest day of each of the most recent 40 heating seasons reflected in the T.F. Green weather data. The change to evaluating a larger data set was necessitated because the distribution of coldest days in the earlier methodology is trending away from a normal distribution. Using its new methodology, the Company found that these 6,040 data points fell within a normal distribution with an average of 55.00 HDD and a standard deviation of 6.13 HDD.

In its design day standard, the Company examined the cost of potential customer curtailments through a cost-benefit analysis. In the event of a service disruption, there are several types of damages that customers could experience. For example, the Company's residential customers would potentially incur re-light costs and freeze-up damages. The Company's Commercial and Industrial customers would potentially incur economic damages associated with the loss of production on the day of the event.

In the Company's design day cost-benefit analysis, the cost of maintaining adequate throughput capacity and the benefit of avoiding damage costs that would be incurred in relation to customer premises are compared. The intersection of the curves set a range for design day planning purposes from approximately 64.3 to 71.0 HDD, with a midpoint of 67.3 HDD. Thus, the Company's design day standard of 68 HDD is within the range of values based on cost and benefit. The Company's analysis indicates that the frequency of occurrence of the Company's design day standard is once in 58.92 years.

III.E.2.b. Design Year Standard

In this filing, the Company defines its design year standard as 6,250 HDD, with a probability of occurrence of once in 37.47 years.

The Company maintains a design year standard for planning purposes to identify the amount of seasonal supplies of natural gas that will be required to provide continuous service under all reasonable weather conditions. If the Company were to have a shortfall in supply during the winter season, the amount of supply in deficit can be translated into an equivalent number of customers whose service would be disrupted for more than one day. For a supply disruption of a multi-day duration, service would be curtailed on a priority basis and would likely fall on Commercial and Industrial establishments before affecting the Residential sector, since supply to the Residential sector is more likely to involve health and personal safety. To establish an estimated annual level of HDDs for which the Company should plan, the Company compared the benefit of maintaining an adequate quantity of natural gas supply under all reasonable weather conditions to the probability-weighted cost of losses that might occur if supplies are not adequate.

The Company has established its design year standard using a three-step process. First, the Company performed a statistical analysis of annual HDD data recorded over a historical period. Second, the Company conducted a cost-benefit analysis to evaluate the cost of maintaining the resources necessary to meet design year demand versus the cost to customers of experiencing service curtailments. Third, the Company identified a design year standard that would maintain reliability at the lowest cost.

As a result of this analysis, the Company has determined that a design year standard of 6,250 HDD is an appropriate level. The Company's analysis indicates that the frequency of occurrence of the Company's design year standard is once in 37.47 years.

III.E.2.c. Specification of Daily Design Year HDD

To generate the daily HDD values for its design year, the Company scaled the daily values for its normal year by the ratio of the annual normal year total to the annual design year total, making any minor adjustment necessary to ensure the peak day of the design year equaled the Company's design day standard.

III.F. Forecast of Base Case Design Year Customer Requirements

In the fifth, and final, step of the Company's forecasting methodology set forth in Section III.A., above, the Company uses the applicable design day and design year planning standards to determine the design day and design year sendout requirements. To accomplish this, the Company combines the springboard equations, which are derived from the sendout regression analysis, with its normal year daily HDD pattern and its design year daily HDD pattern to yield two springboard year estimates of normal year and design year daily customer requirements. Below are the resulting design year requirements for the demand forecast.

	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
Heating Season	29,708	29,812	29,991	30,252	30,509	30,921
Non-Heating Season	11,497	11,564	11,658	11,752	11,902	11,932
Total	41,205	41,376	41,649	42,004	42,411	42,853
Per-Annum Growth		171	273	355	407	442
Per-Annum Growth (%)		0.4%	0.7%	0.9%	1.0%	1.0%

Base Case Design Year Customer Requirements for Capacity Planning (MDth)

III.G. Spatial (Zip-code) Peak Volume Forecast

III.G.1. Purpose

The purpose of the spatial peak volume forecast is to provide the peak volume on the design day of each zip code for next five years.

III.G.2. Data

The data for this forecast includes: (1) customer history monthly billing data of each rate code for each zip code, (2) history weather data, (3) history economic data, (4) normalized

weather data for future prediction, (5) forecast economic data, (6) zip code based saturation values, and (7) zip code moratorium/engineering constrains (if applicable).

III.G.3. Modeling and Forecasting Process

The entire modeling and forecasting process consists of the following major steps:

- Customer monthly billing data calendarization and monthly aggregation for each major ratecode;
- Zip code based weather data processing and heating degree day (HDD) calculation;
- Meter count number correction to remove outliers and adjust the shifts (big jump or drop) caused by rate code re-definition or some other issues;
- Building meter count monthly model of each major rate code for each zip code;
- Trimming meter count number with the saturation result and moratorium constrains;
- Building volume monthly model of each major rate code for each zip code;
- Monthly volume bill/unbill split;
- Estimate the peak volume on the design data by using an optimization process to provide a best allocation from monthly volume to daily volume. This is a key step for the entire peak volume forecast; and
- From this year (2019), the peak volume forecast has been extended to a more granular level (Residential vs. Non-Residential) through a separate optimization problem which doubles variables.

III.H. Design Hour Requirements

Once the design day sendout requirement is established, the Company converts this sendout to a peak hour based on a 5% peak-hour factor (i.e. the peak hour requirement represents 1/20th of the peak day requirement). The Company then applies the peak-hour requirement to its Synergi network analysis modeling software by means of growth factors generated from the zonal (i.e., zip code) forecast. The resulting peak-hour Synergi models are used to perform various analyses necessary for distribution system operations (e.g., regulator pressure settings, LNG requirements) and capital planning. On January 29, 2019, Algonquin Gas Transmission, LLC (AGT), one of the interstate pipeline companies that serves the Company, notified the Company (and all AGT customers served by AGT's G Lateral pipeline) that, during peak periods, it may issue orders under its tariff requiring local distribution companies, including the Company, to limit their hourly takes to calculated hourly flow limits at each take station. Under the Company's contracts with AGT, those calculated hourly flow limits are either 1/24th or 6% of the daily MDQ under each contract (see Table IV-C-3 for the Company's daily and hourly contract quantities). The total calculated hourly flow limits for each take station are then equal to the combined calculated hourly flow limit for all contracts providing deliveries to each take station. Historically, AGT has not imposed any requirements that its customers manage meet the calculated hourly flow limits, nor has AGT restricted the Company's ability to balance its overall takes across all take stations. The January 29, 2019 notice expired on April 1, 2019. However, the Company reasonably expects that AGT may issue a similar notice in the future, or even issue the types of orders described in the January 29, 2019 notice without first issuing another

warning. Accordingly, the Company is making planning decisions to be able to comply with any such future orders. Because the Company's peak hour is greater than the daily 1/24th and 6% combination, the Company will now need to ensure that it has sufficient deliverability to meet the peak hour requirements of its customers.[5]

III.I. Capacity Exempt Customer Requirements

Capacity Exempt customers are firm transporters on the Company's distribution system, however the Company does not plan for their upstream resources. Supply for capacity exempt customers is provided by third-party marketers. Additionally, the Company's capacity eligible FT-1 customers do not receive the storage and supplemental portion of their supplies from the Company's resource portfolio. These storage and supplemental volumes must also be provided by third-party marketers. The Company's forecasting process does include a forecast of these capacity exempt and FT-1 loads for distribution system planning purposes (see table below).

Capacity Exempt and FT-1 Storage/Supplementals Load Summary (Dth)
Base Case Forecast

Normal Year

	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
HS	3,214,423	3,315,517	3,315,422	3,316,331	3,323,416	3,332,290
NHS	3,066,575	3,065,469	3,066,110	3,072,550	3,080,541	3,079,973
Total	6,280,998	6,380,986	6,381,531	6,388,881	6,403,957	6,412,263
PA Growth		99,988	545	7,349	15,077	8,306
Pct Growth		1.6%	0.0%	0.1%	0.2%	0.1%

Design Year

	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
HS	3,547,636	3,661,141	3,661,256	3,662,454	3,670,405	3,680,430
NHS	3,115,010	3,112,836	3,113,490	3,120,051	3,128,187	3,127,544
Total	6,662,646	6,773,976	6,774,746	6,782,505	6,798,593	6,807,974
PA Growth		111,330	770	7,759	16,087	9,381
Pct Growth		1.7%	0.0%	0.1%	0.2%	0.1%
Peak Day	42,486	43,972	43,988	44,016	44,119	44,255

Capacity Exempt and FT-1 Non-Pipeline Customer Requirements (Dth)

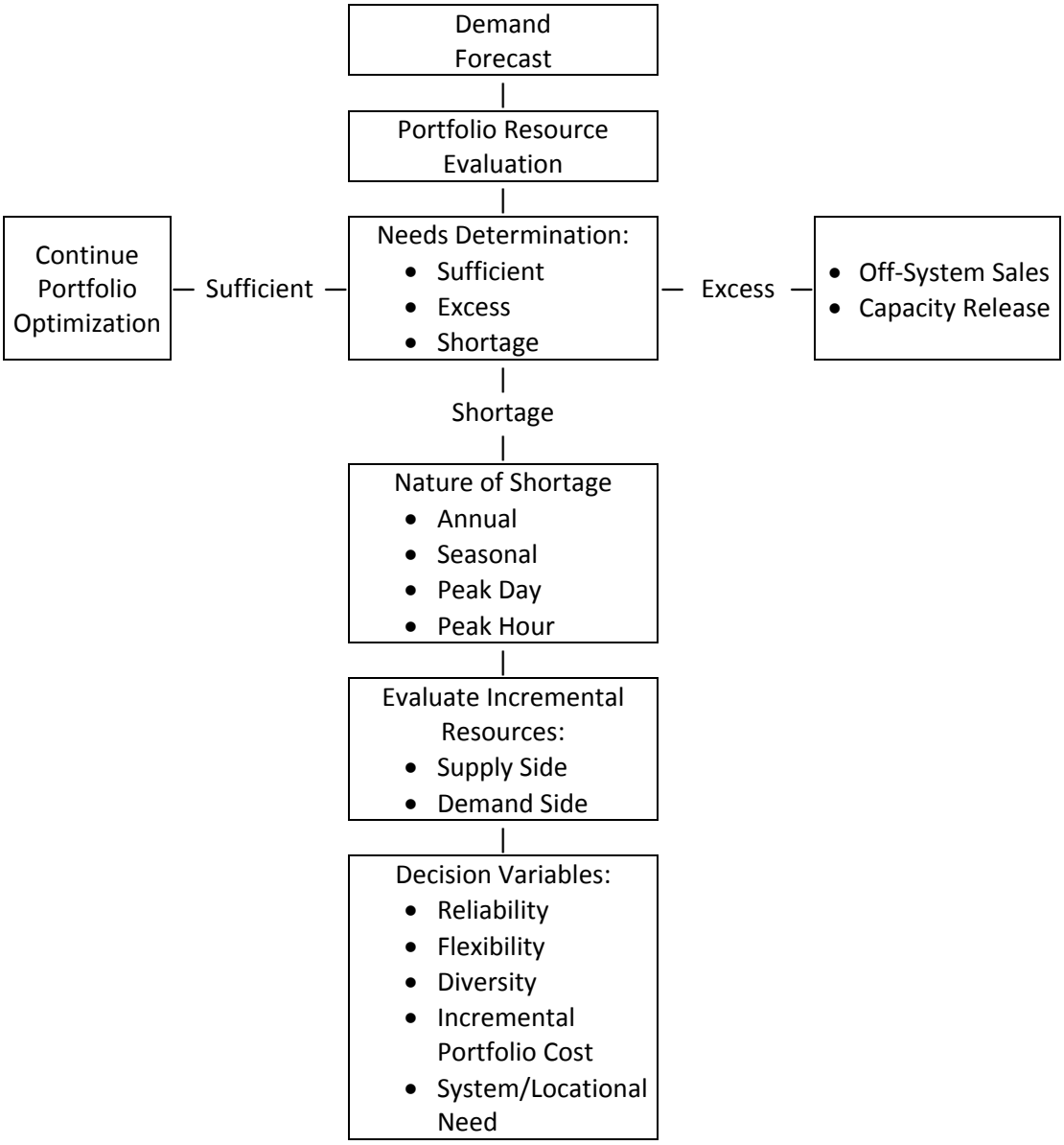
[5] The Company is also served by Tennessee Gas Pipeline (Tennessee). The Company's Tennessee contracts provide for 1/24th hourly flows.

Section 4

IV. Design of the Resource Portfolio

IV.A. Portfolio Design

The Company maintains a resource portfolio consisting of pipeline transportation, underground storage, and peaking resources in order to meet customer requirements on the forecasted design hour, design day, design year, and normal year inclusive of a mid-winter cold snap. In order to meet this obligation, the Company employs an established and reliable approach to demand forecasting and resource procurement. To this end, the Company identifies, evaluates, and acquires a mix of supplies and capacity that minimizes cost while ensuring the reliability of service to firm service customers. The following figure is a schematic representation of the Company's resource evaluation and planning process.



In order to evaluate the adequacy of its portfolio relative to forecasted design day and design year forecasted customer requirements, the Company utilizes several studies. The primary study is conducted utilizing the SENDOUT® model. The SENDOUT® model is a linear-programming optimization software tool used to assist in evaluating, selecting. and explaining long-term portfolio strategies. SENDOUT® allows the Company to model its resources realistically and to assess the adequacy and cost of its portfolio. SENDOUT® also aids the Company in evaluating options for incremental resources based on customer requirements and cost. Using the SENDOUT® model, the Company is able to (1) determine the least-cost portfolio that will meet forecasted customer demand, and (2) test the sensitivity of the portfolio to key inputs and assumptions, as well as its ability to meet the Company's design day and design year planning standards and contingencies. Based on the results of this analysis, the Company is able to make preliminary decisions on the adequacy of the resource portfolio and its ability to meet system requirements in the near term and over the longer term. Table IV-A-1 contains a comparison of current resources and forecast requirements. Table IV-A-2 contains a comparison of current and proposed resources and forecast requirements.

The Company also utilizes load duration curve analysis to assess the adequacy of its supply portfolio. Load duration curve analysis allows for a visual comparison of each day's forecasted requirements for the design year with the supplies and resources available to meet those requirements. This type of analysis, coupled with SENDOUT® studies, is very helpful in identifying any design heating season shortfall in the supply portfolio. Please see Chart IV-A-3 for historical and future load duration curves.

The Company identifies the expected design hour supply requirements at each take station utilizing its Synergi Gas® network analysis modeling software. Synergi Gas® modeling software is a tool used to simulate natural gas transmission and distribution systems. This hydraulic modeling software identifies, predicts, and helps the Company address its operational challenges, enabling day-to-day efficiency of gas distribution and transmission networks. Synergi Gas® software provides the results needed to make design, planning, and operating decisions using robust equations. The identified take station flows are then used to assess the adequacy of the gas supply portfolio, including expected deliveries by marketers, to identify any design hour shortfall. The Company compares the forecasted flows with the supply resources delivered to the take stations which include; contractual hourly entitlements of the Company's existing transportation contracts, on-system peaking assets and expected deliveries by marketers. Chart IV-A-4 shows the hourly imbalance at each take station for the first year (2019/20) and last year (2023/24) of the forecast period.

The Company maintains Operational Balancing Agreements ("OBA") with both AGT and Tennessee that allow the Company to balance receipts and deliveries across all gate stations on each of the respective pipelines. In January 2019, AGT issued a notice on its system warning that it might issue future orders that would limit the operational and planning flexibilities the Company historically has exercised pursuant to its contracts with AGT, AGT's Tariff and the OBAs, by requiring AGT customers served by the G Lateral to balance receipts and deliveries by gate station by hour[6]. In response to this warning by AGT, the Company adjusted its planning to

[6] All of the Company's Tennessee contracts allow for 1/24th hourly deliveries, while the Company's Algonquin contracts allow for a combination of 1/24th and 6% hourly deliveries.

incorporate peak hour distribution system planning as a compliment to peak day planning. For 2019/20, this analysis indicated that the Company requires incremental supplies delivered via both AGT and Tennessee. The design hour need supersedes any design day shortfall and is the driver for incremental resources for 2019/20 and beyond.

IV.B. Analytical Process and Assumptions

For the purpose of preparing this Long-Range Plan, the Company analyzed its design year and a normal year forecasted demand, as well as a cold-snap scenario using the Company's existing resource portfolio and proposed resources necessary to meet requirements. The examination of these various scenarios enables the Company to test the adequacy and flexibility of the resource portfolio as described previously.

To perform the analysis of these scenarios, the Company incorporated several key assumptions. First, the Company assumed that, throughout the forecast period, there is no change in the Company's service obligation to plan for the capacity requirements of firm, non-Capacity Exempt customers. Therefore, for the purposes of this filing the Company has included both Firm Sales and Firm Transportation customers that utilize the Company's firm capacity in the SENDOUT® model. Second, the Company's analysis assumes that all transportation and storage contracts expiring during the forecast period are renewed at the same cost, the same volume, and with the same operating characteristics. Third, the Company assumed that its LNG supply contracts, as well as its citygate supply arrangements if required, will expire on the contract termination date, and are therefore not assumed to be available after the respective date. However, the Company has modeled the capabilities and costs of incremental assets required to meet design hour, design day, and design year requirements utilizing the best information it has as of June 2019.

The Company has also examined its remaining supply portfolio after expected capacity releases to retail marketers and compared that portfolio to forecast requirements for sales customers. While the primary purpose of this analysis is to produce a forecast of gas costs for sales customers, this analysis is also useful to help the Company understand the optimal way to dispatch the assets it is likely to control on behalf of sales customers.

IV.C. Available Resources

This section describes the Company's current resource portfolio, as well as the Company's expected resource portfolio given certain portfolio decisions the Company has made as well as decisions the Company is considering. This section also discusses any modifications that the Company anticipates making to the portfolio during the forecast period to meet sendout requirements. As discussed in more detail below, to meet design day and design year sendout requirements, the Company's resource portfolio is composed of the following categories of available resources: (1) transportation contracts; (2) underground storage contracts; and (3) peaking resources. In addition, a discussion of the Company's Natural Gas Portfolio Management Plan is included. Chart IV-C-1 is a schematic of the Company's transportation and underground storage contracts effective as of June 1, 2019. Chart IV-C-2 is a table listing and

description of each transportation and storage contract in the Company's resource portfolio as of June 1, 2019. Chart IV-C-3 is a table showing the daily and the hourly contract quantities at each citygate for each transportation contract that delivers to the Company's citygates in Rhode Island on both Tennessee and Algonquin, in the Company's resource portfolio as of June 1, 2019.

IV.C.1. Transportation Contracts

The Company has capacity entitlements on multiple upstream pipelines that allow for the delivery of gas to its citygates in Rhode Island. The Company has four citygate interconnect with Tennessee: Pawtucket/Cumberland, Lincoln, Smithfield and Cranston. Additionally, the Company has ten citygate interconnect with Algonquin; Dey Street, Westerly, East Providence, Portsmouth, Tiverton, Burrillville, Barrington, Bristol/Warren, Cumberland and Crary Street. The Company's transportationcontracts provide access to domestic production fields, as well as liquid trading points that afford the Company a level of operational flexibility to ensure the least-cost dispatch and reliable delivery of gas supplies. The Company's transportation contracts are summarized on pages 1 through 3 of Chart IV-C-2.

IV.C.2. Underground Storage Services

The Company's underground storage assets provide the Company with the ability to meet winter-season loads, while avoiding the expense of adding 365-day long-haul transportation capacity. Underground storage supplies also allow the Company to serve peak-period requirements with off-peak priced gas supplies. By using long-haul capacity to fill storage, the Company is able to use those resources at a higher load factor. Additionally, underground storage greatly enhances the flexibility of the Company's portfolio, allowing the Company to manage fluctuations in weather from day to day. One underground storage service of note within the Company's portfolio is its storage swing service under Rate Schedule Firm Storage Market Area (FS-MA) on the Tennessee pipeline. This storage swing option is designed to allow a daily imbalance tolerance that is equal to the Maximum Daily Withdrawal Quantity (MDWQ), as stated in the Company's storage contract (10,920 Dth per day). The imbalance is treated as an automatic storage injection or withdrawal under the specific contract and assessed applicable charges under the FS-MA contract. The Company has elected one of its firm storage contracts (FS-MA #501) as a storage swing option. This swing option provides vital flexibility to the Company's portfolio in order to manage daily fluctuations in load and avoid imbalance charges and/or penalties. A summary of the Company's storage services is provided on page 4 of Chart IV-C-2.

IV.C.3. Peaking Resources

In addition to interstate pipeline and underground storage resources, the Company utilizes peaking resources to meet its design requirements. Peaking supplies are a critical component of the resource mix in that these supplies provide the Company with the ability to respond to fluctuations in weather, economics, and other factors driving the Company's sendout requirements on the coldest days.

IV.C.3.a. LNG Facilities

The Company maintains two on-system LNG facilities. The Company's on-system supplemental facilities enhance service reliability and provide a source of supply for the distribution system. Because these resources can be brought on line quickly, these plants can be used to meet hourly fluctuations in demand, maintain deliveries to customers, and balance pressures across portions of the distribution system during periods of high demand. These supplemental volumes are the supplies that must be available to the Company's distribution system to ensure service to customers when the Company has exhausted its available pipeline supplies. It is the Company's practice to have its supplemental storage facilities full as of December 1 of each year.

The Company's LNG storage and vaporization capacities are summarized in the table below:

Location	Facility Type	Maximum Vaporization [Dth per day]	Gross Storage Capacity [Dth]
Providence	LNG	95,000	600,000
Exeter	LNG	24,000	202,000
Total	**LNG**	**119,000**	**802,000**

IV.C.3.b. LNG Supply Contracts

Please see the table below for a listing of the LNG agreements that are currently part of the Company's portfolio. The ENGIE Gas & LNG contracts were all executed via North American Energy Standards Board (NAESB) agreements.

Contract	Description	MDQ (Dth)	ACQ (Dth)	Term
ENGIE Gas & LNG NAESB	Firm Liquid Service	4,000	508,000	Apr 1, 2019 – Nov. 30, 2020

In addition, as is the Company's practice, the Company contracts for trucking arrangements to guarantee the availability of both trailers and drivers to truck LNG from the source point to the Company's LNG facilities throughout the year.

IV.C.3.c. Portable LNG Vaporization Contracts

In addition to the Company's tanks at Providence and Exeter, for the past several heating seasons, the Company has also staged portable LNG storage equipment in Cumberland, RI to support design hour system pressures and supply needs in the immediate area by utilizing the on-site vaporization capability. The Company has already renewed its agreement for LNG storage services at Cumberland for the 2019/20 heating season. . Beyond the 2019/20 heating season, the Company expects that a permanent pipeline solution could be in place that would mitigate or eliminate the need to continue staging portable operations at Cumberland in future heating seasons.

IV.C.4. Long-Term Supply Agreements

Please see the table below for a listing of the Company's long-term supply agreements that are currently part of the Company's portfolio. The ENGIE Gas & LNG contracts were all executed via North American Energy Standards Board (NAESB) agreements.

Contract	Description	MDQ (Dth)	ACQ (Dth)	Term
ENGIE Gas & LNG NAESB	Firm Supply @ Everett, MA into Tennessee	Dec19 – Mar20: 20,000 Dec20 – Mar21: 20,000 Dec21 – Mar22: 20,000	Dec19 – Mar20: 632,000 Dec20 – Mar21: 651,000 Dec21 – Mar22: 651,000	December 1, 2019 – March 31, 2022

IV.C.5. Citygate Delivered Supply

From time to time the Company can also contract for citygate delivered supplies to meet customer requirements during the peak season. These supplies represent additional resources that are needed over and above the available assets in the Company's portfolio. These resources allow for a certain volume to be called upon on a daily basis, coupled with a seasonal delivery limitation, and are delivered to the Company's citygates by a third party. The purchasing of citygate delivered supplies minimizes the cost of the resource portfolio because the Company is able to avoid annual demand charges for capacity. However, the level at which the Company can depend on such resources varies due to a number of factors, including, but not limited to, current market conditions, capacity availability, and supply availability and overall reliability of the portfolio.

IV.C.6. Asset Management Arrangements

At times, the Company may seek to enter into an asset management arrangement (AMA) for certain of the Company's assets. An AMA affords the Company the opportunity to place firm pipeline capacity into the control of a third party that is better able to manage the asset(s) without compromising access to liquid and reliable resources to firm gas customers. Currently,

the only assets being managed under an AMA are the Company's Canadian transportation contracts on Union and TransCanada. The third party managing these assets is more active in the Canadian markets than the Company and is therefore able to provide value to the Company's firm customers for the opportunity to manage the assets. The Company will continue to assess the portfolio to determine those assets which are well positioned to be managed by a third party.

IV.C.7. Changes and Proposed Additions to the Company's Resource Portfolio

There have been several changes as well as several proposed changes to the Company's gas supply portfolio since its last Long-Range Plan filing in March 2018.

(1) Millennium Expansion Project

The Company has contracted for 9,000 Dth per day as part of the Millennium Project for an initial term of 15 years. This contract went fully into service effective April 1, 2019. The Company's 9,000 Dth per day of Millennium capacity represents half of the Company's AIM Project volume.

(2) National Grid LNG (NGLNG)

The Company has entered into a Precedent Agreement for up to 2,616 Dth per day and 507,504 Dth per refill season for a term of 20 years, commencing upon completion of facilities to expand NGLNG's currently existing storage facilities located in Providence, Rhode Island. The liquefaction facilities are now expected to be available for refill in the 2021 off-peak season. The NGLNG facilities will access Algonquin and allow for the Company to utilize its existing Algonquin capacity to transport volumes to the proposed liquefaction facility. Currently, the Company has a storage agreement with NGLNG for LNG storage at the Providence site pursuant to an agreement dated November 30, 1998. This agreement is not expected to change.

(3) Northeast Energy Center, LLC (Northeast Energy)

The Company has entered into a Precedent Agreement for up to 1,780 Dth per day and 380,920 Dth per refill season for a term of 15 years, commencing upon completion of the necessary facilities. The Northeast Energy project is located in central Massachusetts and has an expected in-service date of April 1, 2020. The Northeast Energy Project will connect to the Tennessee pipeline and allow for the Company to utilize its existing Tennessee capacity to transport volumes from the Zone 4 producing region to the proposed liquefaction facility located in Zone 6. The LNG will be trucked from the facility to the Company's LNG facilities in Rhode Island.

(4) PNGTS Capacity

Once fully phased in, the addition of the PNGTS capacity will reduce the Company's exposure at Dracut and allow the Company to access up to 29,000 Dth per day from Dawn, Ontario by way of agreements with Union, TransCanada, and PNGTS to deliver firm supplies into Dracut. The PNGTS Agreement will feed into the Company's existing

Dracut capacity (29,000 Dth per day). For the 2019/20 heating season, the Company will have access to 25,705 Dth/day on this path.

(5) *Incremental Dracut Capacity and Supply*

a. *Capacity:* For the 2019/20 heating season, the Company is forecasting an incremental need for capacity in order to meet design hour and design year requirements. At this time, the Company is looking to add incremental capacity on Tennessee from Dracut, MA to Cranston, RI. This is existing, unsubscribed capacity on TGP's system and is available at maximum FT-A tariff rates. For the 2020/21 heating season, in order to meet design hour and design year requirements, the Company plans to add additional TGP capacity from Dracut, MA to Pawtucket, RI. The Company is still in the process of finalizing this arrangement. In service of this project will mitigate or eliminate the need for current portable operations at Cumberland.
b. *Supply:* For the 2019/20 heating season, the Company will look to contract for winter season supplies to flow on its Tennessee transportation contracts with a receipt point of Dracut that are not backed with supply originating at Dawn.

(6) *Incremental Winter Supplies*

a. *Citygate Delivered Supply:* On May 23, 2019, the Company issued an RFP for gas supplies delivered to the Company's citygates on either Tennessee or Algonquin and supported by bidders demonstrating they have either firm capacity to the Company's citygates or providing an explanation of the priority of service that would be utilized to serve the deliveries. As a result of the RFP, the Company is now negotiating a contract for city gate supplies delivered via Algonquin for the 2019/20 through 2022/23 heating seasons[7]. These supplies are backed by firm capacity and are needed to meet forecasted design hour and design season requirements.
b. *Everett Supply:* For the 2019/20 heating season, the Company will look to contract for winter season supplies to flow on its Tennessee transportation contracts with a receipt point of Everett, MA for those volumes that are not currently provided for under long-term contract.

(7) *Incremental Algonquin Capacity*

The Company is forecasting an incremental need for capacity in order to meet forecasted design hour and design season requirements in the areas of the Company's system served via Algonquin. The Company is in discussions with Algonquin to increase capacity to Aquidneck Island for the 2021/22 heating season.

[7] The volume of available incremental citygate delivered supplies range from 14,100 – 17,100 dts/ day.

(8) Incremental Portable CNG/LNG Vaporization Contracts

In addition to the portable operations at Cumberland, the Company is pursuing a multi-year agreement for portable injection services on Aquidneck Island. The Company recently concluded a request for proposals for portable Compressed Natural Gas (CNG) decompression and/or portable LNG vaporization and storage services beginning winter 2019/20 to be staged at the Company's Old Mill Lane location and/or property not owned by the Company and identified by the vendor as part of their proposal. Based on the results of the RFP, the Company intends to move forward with a multi-year contract for LNG storage and vaporization services at Old Mill Lane until such time as a long-term solution can be in-service for Aquidneck Island.

(9) *Incremental Winter Liquid Volumes (LNG)*

In order to support the portable LNG storage operations at Cumberland and Old Mill Lane, the Company will need to pursue a supplemental winter only LNG purchase agreement.

The Company may also need to purchase additional winter only liquid should it be determined that the Exeter and NGLNG/Providence LNG facilities will be utilized more actively for balancing purposes for the 2019/20 winter season.

IV.C.8. Future Portfolio Renewal Decisions

During the forecast period, the Company will be faced with critical decisions regarding the expiration of a certain transportation, underground storage, and peaking contracts in the supply portfolio.

During the forecast period, the Company will employ a two-step analysis to reach its conclusions on contract renewals, as well as the addition of new resources. First, depending on the type of need, the Company will canvas the marketplace to determine the availability of a replacement or new resource. And, where appropriate, the Company will solicit competitive bids to determine the lowest-cost available resource.

Then, the Company will evaluate non-price factors associated with the available replacement or new resource option. The Company will consider the flexibility, diversity, reliability, and contract term to determine the least-cost, most reliable option to meet the Company's resource need.

Absent the development of new incremental capacity projects or upgrades to on-system facilities that present cost-effective alternatives to the existing resource portfolio, the Company expects to renew its existing contracts for an extended time period to maintain flexibility, diversity, and reliability consistent with least-cost principles. As discussed above, pipeline rates

for legacy capacity[8] are advantaged by the significant depreciation of plant and rate base associated with legacy capacity, as well as by revenue requirement recovery at average cost-based rates. Moreover, the respective interstate pipelines flow natural gas at higher load factors (with greater billing determinants), which helps to maintain the low rates associated with these pipelines.

IV.C.9. Long-Term Cumberland Solution

The Company has considered multiple options for selecting a permanent solution to address the capacity needs, driven by the peak hour requirements, in Northern Rhode Island. The solution will focus on securing additional supplies delivered to the Northern Rhode Island region. As already described herein, the Company has held discussions with Algonquin and Tennessee to review available options for expanding various pipeline laterals that feed the Rhode Island distribution system. In addition to expansion on an interstate pipeline, the Company has also assessed an LNG alternative. The Company expects to have a final recommendation in July 2019.

IV.C.10. Natural Gas Portfolio Management Plan (NGPMP)

The PUC initially approved the Company's NGPMP in 2009 in Docket No. 4038, and subsequently approved modifications to the management of the Company's gas portfolio in March 2016 within Docket 4038. These modifications were designed to provide various financial, regulatory, and risk management benefits over previous asset management arrangements. The Company changed the management of the gas portfolio from an external third-party asset management agreement to a portfolio managed primarily by the Company. The Company uses its transportation contracts, underground storage contracts, peaking supplies, and supply contracts first to purchase gas supplies to economically and reliably serve Sales customers, and then to make additional purchases and sales that generate revenue by extracting value from any assets that are not required to serve customers on any day. The mix of supply, transportation, and storage contracts creates flexibility and opportunities for optimization to create value for the Company's customers. This potential optimization value is subject to the following market variables: the fluctuation of gas pricing, the value of temporarily unused assets, the existence of excess transportation and storage capacity, and the opportunity to optimize delivered supplies as storage fill opportunities arise. Unless otherwise directed by the PUC, the Company will continue to manage its gas portfolio as specified in the NGPMP.

[8] "Legacy capacity" is defined herein as firm interstate pipeline transportation and storage service provided to the Company and other local distribution companies under FERC-approved rate schedules that were in effect upon, or soon after, the unbundling of the U.S. interstate pipeline system resulting from FERC Order No. 636.

IV.D. Customer Choice Program

IV.D.1 Overview of the Company's Customer Choice Program

The Company's Customer Choice Program is an optional supplier choice program that allows the Company's Small, Medium, Large, and Extra Large Commercial and Industrial (C&I) customers to purchase gas supplies from sources other than the Company for transportation service by the Company. The Company continues to provide distribution and related services to all of its customers, including those that receive gas supply from a third party. Service is classified as either Firm Transportation Service FT-1 or Firm Transportation Service FT-2.

FT-1 service is available only to Large and Extra Large C&I customers. This service provides firm transportation of customer-purchased gas supplies to customers who elect to have their gas usage recorded on a daily basis at the customer's point of delivery. This service requires daily balancing of deliveries and usage by the Marketer, which includes meeting the impact of unanticipated swings in weather and/or demand. The Company plans only for pipeline assets required to serve FT-1 customer requirements, and does not plan for any storage and peaking assets required to serve these customers.

FT-2 service is available to all C&I customers. FT-2 service does not require the recording of daily gas usage at the customer's point of delivery, and as such, requires the Company to assume substantial responsibility for balancing the customer's deliveries and usage on a daily basis. Under FT-2 service, the Company informs the Marketer of their required deliveries for the upcoming gas day, and is responsible for meeting any difference between the forecast and actual quantities as a result of weather or other factors, through storage and peaking services. For this reason, the Company plans for pipeline, storage, and peaking assets to meet the peak day requirements of FT-2 service.

Under the Company's Customer Choice Program, the Company assigns a pro rata share of its interstate pipeline resources to customers migrating to transportation service at the Company's average cost of these resources. Customers taking either FT-1 or FT-2 service are assigned pipeline assets. As discussed above, FT-2 customers are also allocated a portion of storage and peaking resources needed to meet peak day requirements. The storage and peaking resources are not physically released to customers, but are instead managed by the Company and provided to customers at the citygate. Mandatory capacity assignment enables the Company to ensure that there is adequate capacity upstream of its citygates and to maintain the operational integrity of the distribution system. It also prevents certain customers from avoiding responsibility for the cost of the Company's long-term capacity commitments given these customers' ability to avail themselves of competitive options.

Not all customers under the Company's Customer Choice Program are assigned capacity. Pursuant to the Settlement Agreement dated October 7, 1999, approved by the PUC in Docket No. 2902 (1999 Settlement Agreement), new customers who were classified as either Large or Extra Large C&I customers and who were not previously served on firm sales service were given

a one-time option to waive the Company's assignment of pipeline capacity. This one-time election is built into the Company's Tariff today.

In addition, pursuant to the 1999 Settlement Agreement, firm transportation customers transporting prior to November 1, 1997 were also given the one-time option of waiving the Company's mandatory capacity assignment shortly after the PUC's approval of the 1999 Settlement Agreement. For "grandfathered" customers who elected this waiver, those customers were thereafter ineligible to return to the Company's firm sales service.

IV.D.2 Impact of the Customer Choice Program on Portfolio Planning

In the Company's last Long-Range Plan filing, the Company provided the following high-level summary of the impact of the Customer Choice Program on portfolio planning:

> On September 8, 2014, the Company filed a proposal to make certain changes to its Customer Choice Program in Docket No. 4523. In summary, the Company proposed three specific changes. First, regarding pipeline delivery requirements, the Company proposed to require a certain level of daily pipeline receipts on each of the upstream pipelines, Algonquin and Tennessee. Second, regarding the peaking assets calculation, the Company proposed to modify the FT-2 Demand Rate and associated peaking purchases to include certain pipeline assets and associated supplies in the calculations to more accurately reflect the usage of such assets. Third, regarding daily nominations under operational flow order conditions, the Company proposed to require a certain level of pipeline deliveries before FT-2 storage and peaking assets could be nominated. The Company proposed such changes to address the overall design of the Company's Customer Choice Program, as well as the impact to the reliability of the overall gas resource portfolio and the appropriate allocation of costs among all customers. The proposed changes were accepted and went into effect on November 1, 2014. Since then, no other substantive changes have been made to the Customer Choice Program. However, as load on the distribution system continues to grow, the disconnect with how customers that have opted for Transportation service are actually served, as compared to how third-party marketers are obligated to serve them under the Customer Choice Program, continues to grow. This disconnect exists for all Transportation customers, including both those eligible for capacity assignment and those that are capacity exempt and, therefore, not eligible for capacity assignment. For example, under the Customer Choice Program, a third-party marketer can elect to take assignment of a capacity path that delivers to the Algonquin-fed side of the distributions system on behalf of a customer that is physically served from the Tennessee-fed portion of the distribution system. Then, on a day-to-day basis, to serve that customer the marketer only has to deliver a minimum of 40 percent of the customer's supply on Tennessee, with the remainder delivered on Algonquin.[9] In these circumstances, the overall portfolio of assets, including on-system peaking, is allowing for the entire system to remain in-balance with the pipelines at the

[9] Marketers are required to deliver a minimum of 40 percent on each pipeline and the remaining 20 percent on either or both pipelines.

end of the day. Capacity-eligible customers share in the overall cost of the portfolio through mandatory capacity assignment; Capacity Exempt customers do not. This disconnect between where loads are and how they are served was exacerbated with the decommissioning of the Company's Cumberland LNG plant. The Company no longer has the on-system resource to balance loads in that "pocket" of the distribution system and has to rely on pipeline deliveries from third parties that do not all have primary point capacity to the Company's citygates in Rhode Island. This is not sustainable for the long-term reliability of the distribution system, especially given the capacity constraints that exist on the interstate pipelines serving New England, specifically Algonquin and Tennessee. The Company is in the initial stages of analysis and will present its findings and recommendations once completed.

The Company has performed its analysis, looking at the total hourly supply/demand balance at each gate station on both Algonquin and Tennessee[10]. As part of total load, the Company has also included the load associated with all FT-1 customers, whether the Company plans on their behalf or whether or third-party marketer provides deliveries. This FT-1 load was mapped to the gate station each of the customers is served from and the total volumes third-party marketers are expected to deliver was mapped to the gate stations to which they deliver. As discussed above, the results of this analysis are presented in Chart IV-A.4. The results show an hourly imbalance at several of the Company's gate stations on both Algonquin and Tennessee. As discussed above, the Company will need to contract for additional resources in order to meet forecasted peak hour requirements for the upcoming 2019/20 winter season, as well as all subsequent winters of the forecast period.

IV.D.3. Future Changes to the Customer Choice Program

The impact of the Customer Choice Program on portfolio planning coupled with the capacity constraints that exist on the interstate pipelines serving New England, specifically Algonquin and Tennessee, leaves the Company with no choice but to re-examine the current Customer Choice Program. The Company will consider to the overall framework of the program and where appropriate seek to implement modifications to better align the program to support portfolio planning needs. The Company's review will consider several aspects of the Customer Choice Program including but not limited to; impact of customer load for which the Company is not responsible to plan for[11], capacity exempt eligibility criteria, alignment of mandatory capacity release with customer location, nomination and pooling flexibilities and balancing and cashouts, The Company will present its recommendations once completed.

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[10] The analysis was performed using the June 2018 forecast for the 2019/20 through 2023/24 gas years.

[11] This load includes Capacity Exempt Customers as well as the storage and peaking load of the capacity eligible FT-1 Customers.

Section 5

IV.E. Portfolio Costs

The Company plans its portfolio to meet the forecast design day and design annual requirements of its firm sales, FT-2, and a portion of its FT-1 customers. Detailed information regarding costs of the full portfolio are presented in IV-E-1.

In the Gas Cost Reconciliation ("GCR"), the Company submits its assessment of costs attributable to firm sales customers only. The fixed costs of pipeline capacity and storage released to marketers are not included in the GCR. In order to provide a preliminary estimate of costs to be submitted for the 2019/20 GCR and to allow for discussion and analysis of those costs, the Company has included an estimate of costs in IV-E-2. The Company has not yet secured all of its resources for the 2019/20 gas year. To allow for meaningful discussion and reasonable estimates of GCR components, the Company has relied on indicative pricing from its suppliers and pricing information from prior agreements.

Costs for the full portfolio as well as estimated GCR costs were developed using the New York Mercantile Exchange (NYMEX) forward curve from June 10, 2019 in conjunction with forecasted regional basis from a combination of public and internally developed forward price curves.

V. Summary of Fulfillment of the Joint Memorandum of the Company and the Division

On October 30, 2018 in the Company's 2018 Gas Cost Recovery (GCR) proceeding, Docket No. 4872, the PUC ordered that the Company and the Division (collectively, the Parties) submit the Joint Memorandum in Docket No. 4816 outlining each of their recommendations for improving the Long-Range Plan as it relates to the annual GCR filing. On February 20, 2019, the Parties submitted the Joint Memorandum in compliance with the PUC's October 30, 2018 ruling in Docket No. 4872.

The Joint Memorandum provided that the annual Long-Range Plan filings would be submitted in June, as soon as practical, following the release of the Company's annual forecast, permitting the Company to base its annual forecast on the most recent customer usage data, and prior to the Company's annual GCR filing. It also stated that the annual Long-Range Plan filings will include certain information. This listing of information is provided in the table, along with the referenced chart or table provided for in this filing.

Item	Description	Reference
1	Retail volume forecast by rate group for normal weather	Chart III-B-1 Chart III-B-4
2	Retail meter count forecast by rate group for normal weather	Chart III-B-2 Chart III-B-5
3	Rhode Island Economic Forecast variables for normal weather	Chart III-B-3
4	Wholesale volume forecast by rate group for normal and design weather	Chart VI-C-1 (normal); Chart VI-C-2 (design)
5	SENDOUT forecasts (normal and design weather) for capacity planning purposes for volumes and costs.	Chart VI-C-3 (normal); Chart VI-C-4 (design)
6	Updated portfolio information showing all changes to the portfolio (capacity/supply/LNG), including: • Updated Chart IV-C-2 (schematic) if any changes have occurred; • Updated Chart IV-C-3 (a description of the contracts within the portfolio, including expiration date and evergreen provisions); • A consolidated version of Sections IV.C. (Available Resources), IV.C.2. (Underground Storage Services), and IV.C.3. (Peaking Resources); and • A consolidated version of Section IV.C.3.b. (e.g., LNG and/or CNG Contracts)	Chart IV-C-1 Chart IV-C-2
7	Detailed information on needs for upcoming winter season, including SENDOUT analysis showing derivation of need.	Table IV-A-1
8	Discussion of subsequent four-years and associated need and what the Company is pursuing with potential suppliers and pipelines to meet customer requirements, as well as expected costs of options.	Table IV-A-1 Table IV-A-2
9	Provide historic (5-10 years) and projected (out 5 years) annual wholesale load duration curves showing the following: • Stack existing supply resources (by path) against the daily wholesale load duration curve for historic period; • Stack proposed supply resources (by path) against the daily wholesale load duration curves for the projected periods; • Stack existing supply resources (by path) against the daily wholesale load duration curves for the historic November-March period; • Stack proposed supply resources (by path) against the wholesale load duration curves for the projected November-March periods; and • The Company will endeavor to develop equivalent hourly wholesale load duration curves	Chart IV-A-3
10	For individually metered high load factor Transportation customers, the Company will develop aggregated annual historic (5-10 years) and projected (out 5 years) load duration curves. For those customers with hourly metering, the Company will endeavor to provide the historic (5 years) aggregated hourly load duration curve	Chart VI-B-1 Chart VI-B-2 Chart VI-B-3
11	The Company will provide fixed cost of existing supply resources on a dollar per dekatherm (Dth) per day basis (annualized). Once individualized, then the Company will provide the same annualized information by path.	Table VI-A-1
12	For each existing supply resource (by path), the Company will provide an estimated <u>effective</u> Fixed Cost (on a Dth per day basis) (i.e., taking into account load factor utilization) for the current period and forecasted time periods for both its normal and design weather scenario, which is the basis of the Company's decision-making.	Table VI-A-2
13	For each proposed supply resource (by path), the Company will provide an estimated <u>effective</u> Fixed Cost (on a Dth per day basis) (i.e., taking into account load factor utilization) for the current period and forecasted time periods both for its normal and design weather scenario, which is the basis of the Company's decision-making.	Table VI-A-3

14	For the gas commodity for each of the next five years of projected periods (annual and November through March), the Company will provide, by month for each projected period, the dollar per Dth for the gas estimated to be used on each path under both normal and design weather. The Company will also present the effective citygate gas (variable) cost by month of each path accounting for usage rates and fuel under both normal and design weather.	Table VI-A-4

VI. Charts and Tables

Section 6
Charts and Tables

VI. Charts and Tables

Please see separate tabs for charts and tables

Charts

2019 National Grid RI Volume Forecast (Dth)
Planning Year (Nov-Oct)

Chart III-B-1
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	RNH	RH	CI_Sales	FT1	FT2	Subtotal	Other	Total
PY2011	606,350	17,738,289	6,723,757	7,680,544	2,569,158	35,318,097	2,267,651	37,585,748
PY2012	601,399	14,783,757	5,621,627	7,610,425	2,333,884	30,951,092	2,195,266	33,146,358
PY2013	746,890	17,315,788	6,580,974	8,278,483	3,049,869	35,972,004	2,014,144	37,986,148
PY2014	944,174	19,573,872	7,602,085	8,563,673	3,548,382	40,232,186	1,793,702	42,025,888
PY2015	736,952	20,389,772	7,870,135	9,416,525	3,680,836	42,094,220	1,828,764	43,922,984
PY2016	551,336	16,675,346	5,959,177	8,656,943	3,569,930	35,412,731	1,865,144	37,277,875
PY2017	395,746	18,610,917	6,565,357	9,073,786	3,948,471	38,594,277	1,860,594	40,454,872
PY2018	375,420	19,959,250	7,236,276	9,397,617	4,201,189	41,169,751	1,938,339	43,108,090
PY2019	371,670	19,691,280	7,229,110	9,473,041	4,433,548	41,198,649	2,049,221	43,247,871
PY2020	359,772	19,953,599	7,412,069	9,703,819	4,536,424	41,965,683	2,088,084	44,053,767
PY2021	354,474	20,089,449	7,419,419	9,693,069	4,536,318	42,092,729	2,090,170	44,182,899
PY2022	350,941	20,346,257	7,450,923	9,708,350	4,550,765	42,407,235	2,097,325	44,504,560
PY2023	347,655	20,601,240	7,470,943	9,729,379	4,560,920	42,710,136	2,104,822	44,814,959
PY2024	345,785	20,994,047	7,520,594	9,760,219	4,585,433	43,206,078	2,115,301	45,321,379
PY2025	340,294	21,113,260	7,521,552	9,763,110	4,584,920	43,323,135	2,118,836	45,441,971
PY2026	335,883	21,368,315	7,571,096	9,791,351	4,609,744	43,676,389	2,128,652	45,805,041
PY2027	331,273	21,621,960	7,625,067	9,822,601	4,637,127	44,038,028	2,139,102	46,177,129
PY24/PY19	-1.4%	1.3%	0.8%	0.6%	0.7%	1.0%	0.6%	0.9%

2018 National Grid RI Volume Forecast (Dth)
Planning Year (Nov-Oct)

	RNH	RH	CI_Sales	FT1	FT2	Subtotal	Other	Total
PY2011	606,350	17,738,289	6,723,757	7,680,544	2,569,158	35,318,097	2,205,233	37,523,331
PY2012	601,399	14,783,757	5,621,627	7,610,425	2,333,884	30,951,092	2,169,497	33,120,589
PY2013	746,888	17,315,788	6,580,974	8,278,483	3,049,869	35,972,002	1,998,113	37,970,115
PY2014	944,135	19,573,872	7,622,602	8,563,673	3,548,382	40,252,664	1,771,538	42,024,202
PY2015	736,897	20,389,733	7,868,314	9,416,525	3,680,836	42,092,305	1,800,943	43,893,248
PY2016	551,234	16,675,190	5,957,637	8,656,943	3,569,930	35,410,933	1,845,515	37,256,449
PY2017	395,530	18,593,539	6,351,832	8,709,202	3,940,539	37,990,641	1,837,262	39,827,903
PY2018	378,646	19,891,785	6,884,562	8,872,850	4,171,218	40,199,061	1,847,514	42,046,575
PY2019	337,218	19,645,520	6,672,101	8,786,738	4,087,275	39,528,852	1,745,672	41,274,524
PY2020	324,087	19,872,551	6,740,466	8,787,353	4,141,818	39,866,276	1,756,610	41,622,886
PY2021	307,966	20,033,440	6,654,173	8,683,991	4,148,165	39,827,735	1,799,340	41,627,075
PY2022	293,738	20,039,687	6,578,993	8,680,907	4,156,294	39,749,618	1,810,454	41,560,072
PY2023	277,865	20,255,792	6,595,995	8,644,859	4,172,941	39,947,453	1,823,392	41,770,845
PY2024	265,337	20,524,909	6,590,653	8,652,037	4,179,977	40,212,912	1,841,607	42,054,520
PY2025	250,974	20,669,989	6,612,811	8,599,977	4,192,420	40,326,171	1,844,445	42,170,616
PY2026	235,326	20,752,635	6,589,457	8,595,976	4,210,024	40,383,417	1,839,453	42,222,870
PY2027	224,465	20,870,341	6,616,182	8,584,867	4,234,947	40,530,802	1,843,382	42,374,184
PY24/PY19	-4.7%	0.9%	-0.2%	-0.3%	0.4%	0.3%	1.1%	0.4%

Chart III-B-1
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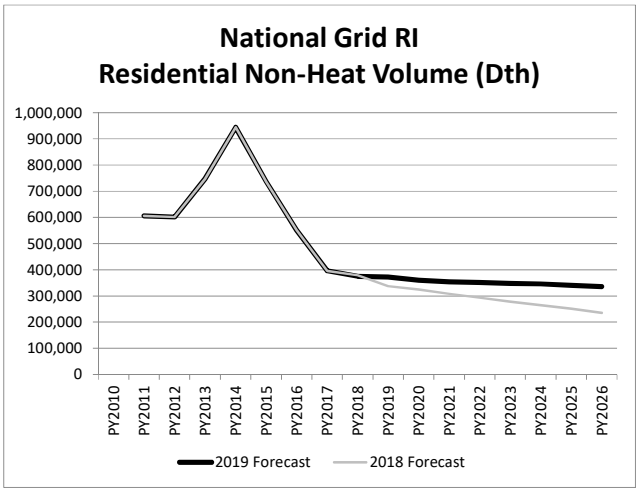

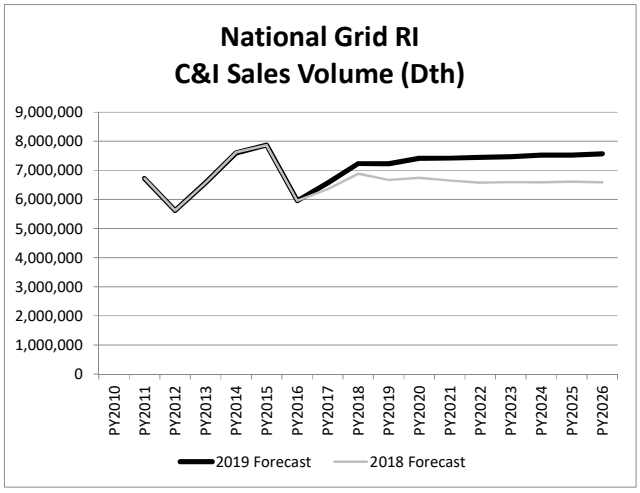

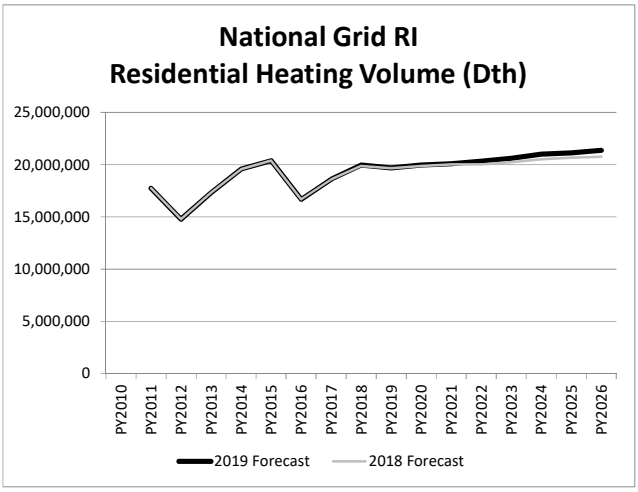

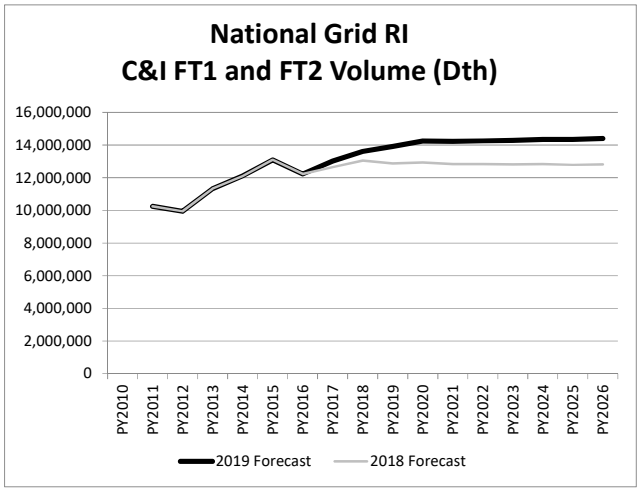

2019 National Grid RI Meter Count Forecast
End of Planning Year (Nov-Oct)

Chart III-B-2
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	RNH	RH	CI_Sales	FT1	FT2	Subtotal	Other	Total
PY2011	26,570	196,414	20,950	747	1,244	245,925	54	245,979
PY2012	25,955	200,463	21,105	734	1,399	249,656	65	249,721
PY2013	26,042	204,520	21,451	721	1,499	254,233	159	254,392
PY2014	25,958	206,567	21,650	699	1,486	256,360	178	256,538
PY2015	22,313	212,899	21,565	684	1,552	259,013	326	259,339
PY2016	19,351	218,312	21,465	674	1,680	261,482	488	261,970
PY2017	18,589	222,114	21,666	636	1,758	264,763	577	265,340
PY2018	18,280	225,136	21,676	624	1,776	267,492	637	268,129
PY2019	18,059	226,499	21,555	601	1,765	268,479	741	269,220
PY2020	17,816	229,543	21,662	606	1,773	271,400	745	272,145
PY2021	17,574	232,610	21,780	613	1,784	274,361	748	275,109
PY2022	17,332	235,549	21,917	619	1,796	277,213	753	277,966
PY2023	17,090	238,549	22,049	624	1,807	280,119	757	280,876
PY2024	16,847	241,523	22,180	630	1,818	282,998	761	283,759
PY2025	16,605	244,497	22,307	633	1,828	285,870	766	286,636
PY2026	16,363	247,460	22,427	635	1,838	288,723	770	289,493
PY2027	16,120	250,402	22,542	639	1,849	291,552	774	292,326
PY24/PY19	-1.4%	1.3%	0.6%	0.9%	0.6%	1.1%	0.5%	1.1%

2018 National Grid RI Meter Count Forecast
End of Planning Year (Nov-Oct)

	RNH	RH	CI_Sales	FT1	FT2	Subtotal	Other	Total
PY2011	26,570	196,414	20,950	747	1,244	245,925	54	245,979
PY2012	25,955	200,463	21,105	734	1,399	249,656	66	249,722
PY2013	26,042	204,520	21,451	721	1,499	254,233	162	254,395
PY2014	25,957	206,567	21,650	699	1,486	256,359	180	256,539
PY2015	22,311	212,896	21,562	684	1,552	259,005	328	259,333
PY2016	19,348	218,305	21,462	674	1,680	261,469	493	261,962
PY2017	18,572	222,014	21,663	644	1,758	264,651	581	265,232
PY2018	18,214	223,810	21,614	634	1,761	266,033	626	266,659
PY2019	17,796	226,216	21,669	629	1,793	268,103	670	268,773
PY2020	17,375	228,517	21,735	627	1,826	270,080	692	270,772
PY2021	16,960	230,711	21,797	628	1,854	271,950	706	272,656
PY2022	16,552	232,804	21,849	628	1,875	273,708	743	274,451
PY2023	16,154	234,808	21,892	625	1,893	275,372	779	276,151
PY2024	15,763	236,732	21,935	625	1,909	276,964	809	277,773
PY2025	15,383	238,582	21,976	622	1,923	278,486	836	279,322
PY2026	15,010	240,366	22,021	622	1,937	279,956	857	280,813
PY2027	14,646	242,089	22,065	622	1,950	281,372	874	282,246
PY24/PY19	-2.4%	0.9%	0.2%	-0.1%	1.3%	0.7%	3.8%	0.7%

Chart III-B-2
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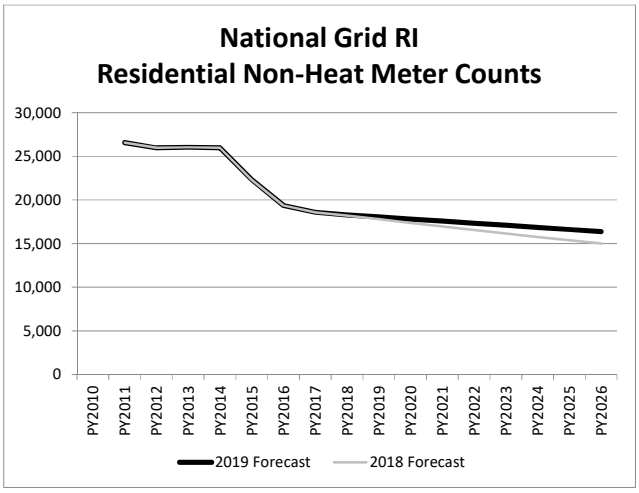
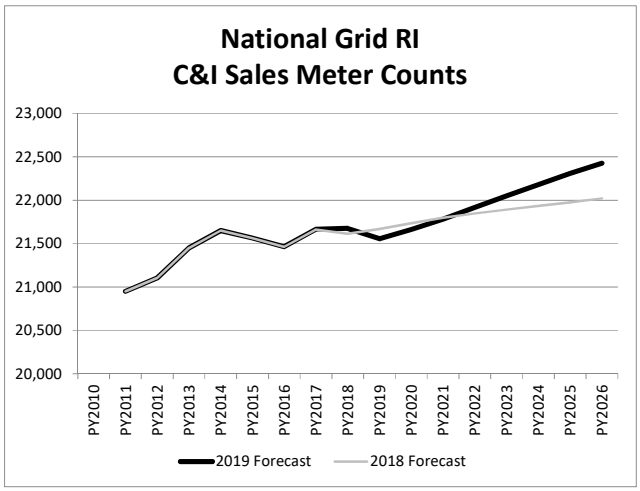
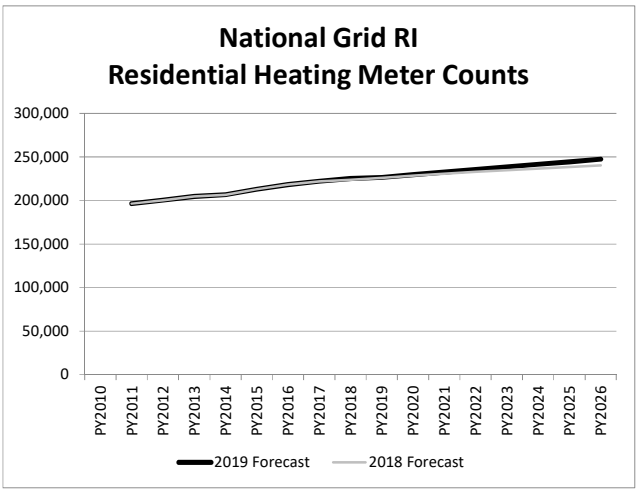
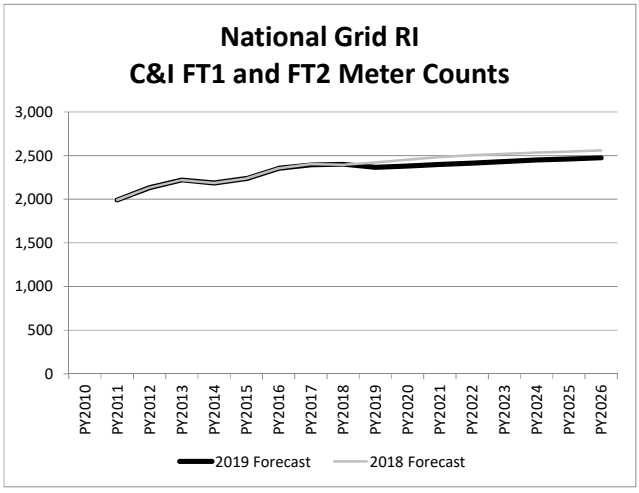








2019 National Grid RI Economic Data
(Prices in 2018 $/Dth)

Chart III-B-3
Page 1 of 3

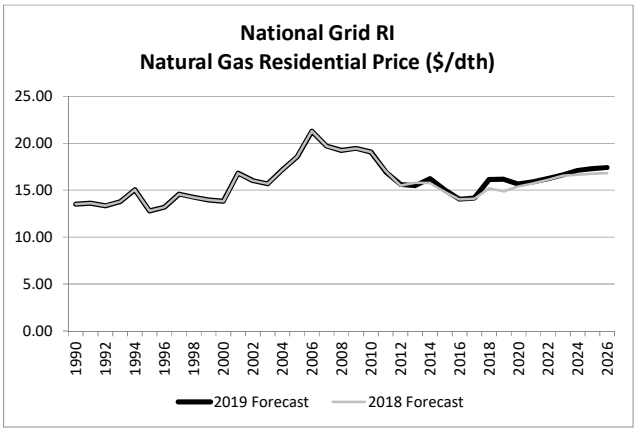
Year	NGPRCR Natural Gas Residential Price	OILPRCR No 2 Distillate Residential Price by All Sellers	*GORR* *Residential Gas-to-Oil Price Ratio*	GDP GDP (2009 Millions of $)	HH Households (thousands)	EMPL Non-Farm Employment (thousands)
1990	*13.50*	*14.60*	*0.92*	*35615.834*	*377.381*	*454.225*
1991	*13.62*	*13.32*	*1.02*	*34371.872*	*380.898*	*424.283*
1992	*13.33*	*11.69*	*1.14*	*35062.829*	*383.703*	*424.050*
1993	*13.77*	*11.20*	*1.23*	*35716.351*	*387.380*	*429.925*
1994	*15.06*	*10.61*	*1.42*	*35826.302*	*391.398*	*434.208*
1995	*12.79*	*10.30*	*1.24*	*36504.778*	*395.112*	*439.125*
1996	*13.18*	*11.25*	*1.17*	*36926.285*	*400.848*	*440.767*
1997	*14.58*	*11.19*	*1.30*	*38989.000*	*405.502*	*450.058*
1998	*14.24*	*9.70*	*1.47*	*40360.000*	*410.961*	*457.950*
1999	*13.96*	*9.05*	*1.54*	*41651.000*	*411.187*	*465.500*
2000	*13.82*	*12.91*	*1.07*	43474.392	410.048	476.899
2001	*16.81*	*12.61*	*1.33*	44386.037	407.448	478.570
2002	*16.03*	*11.17*	*1.43*	45877.152	410.055	479.443
2003	*15.68*	*13.33*	*1.18*	47804.229	410.574	484.272
2004	*17.18*	*14.12*	*1.22*	49761.660	412.054	488.480
2005	*18.56*	*18.01*	*1.03*	50378.278	411.331	491.112
2006	*21.29*	*21.17*	*1.01*	51303.695	411.259	492.981
2007	*19.70*	*22.08*	*0.89*	49842.521	411.345	492.007
2008	*19.25*	*27.64*	*0.70*	48263.470	414.018	481.090
2009	*19.45*	*19.50*	*1.00*	47707.923	413.979	459.442
2010	19.07	24.28	*0.79*	48801.485	414.266	457.998
2011	16.97	30.08	*0.56*	48425.183	417.092	460.503
2012	15.62	32.03	*0.49*	48630.473	421.162	465.460
2013	15.48	31.46	*0.49*	48814.886	424.749	471.528
2014	16.24	30.31	*0.54*	49217.202	427.946	478.676
2015	15.04	21.17	*0.71*	50174.493	428.074	485.246
2016	14.05	16.80	*0.84*	50405.738	427.378	489.746
2017	14.18	19.36	*0.73*	51192.420	425.779	494.437
2018	16.16	21.44	*0.75*	52718.707	422.397	501.393
2019	16.17	20.28	*0.80*	54456.379	424.336	507.423
2020	15.66	20.82	*0.75*	55401.132	426.192	509.788
2021	15.90	21.24	*0.75*	56891.471	427.522	509.237
2022	16.23	21.56	*0.75*	58647.133	429.319	512.494
2023	16.65	22.20	*0.75*	60157.756	430.927	515.228
2024	17.11	23.23	*0.74*	61647.141	432.406	517.538
2025	17.29	23.81	*0.73*	63012.853	433.870	519.685
2026	17.42	24.21	*0.72*	64358.098	435.117	521.780
2027	17.50	24.86	*0.70*	65762.272	436.111	523.848
PY24/PY19	1.1%	2.8%	-1.6%	2.5%	0.4%	0.4%

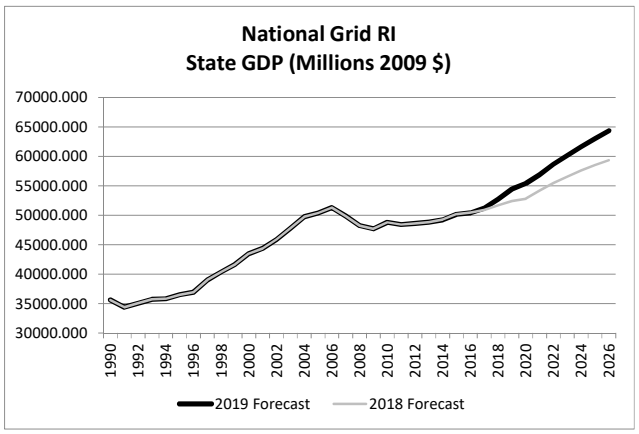
2018 National Grid RI Economic Data
(Prices in 2017 $/Dth)

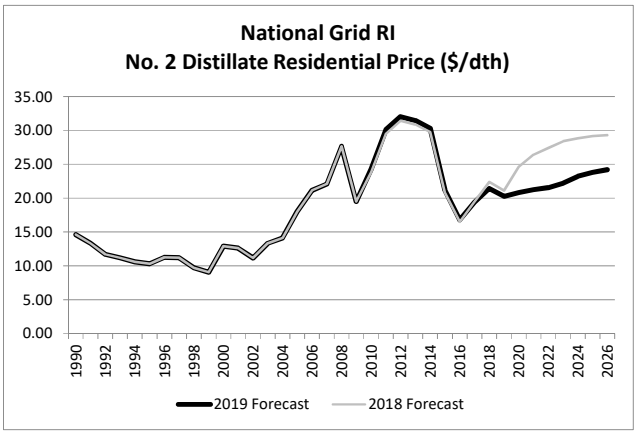
Chart III-B-3
Page 2 of 3

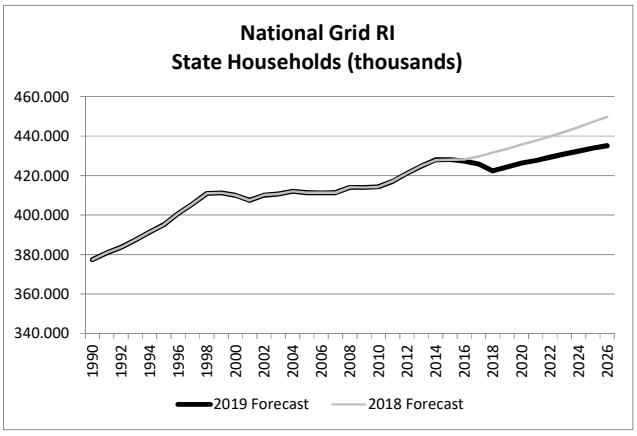
Year	NGPRCR Natural Gas Residential Price	OILPRCR No 2 Distillate Residential Price by All Sellers	*GORR*	GDP (2005 Millions of $)	Households (thousands)	Non-Farm Employment (thousands)
1990	13.50	14.60	*0.92*	35615.834	377.381	454.225
1991	13.62	13.32	*1.02*	34371.872	380.898	424.283
1992	13.33	11.69	*1.14*	35062.829	383.703	424.050
1993	13.77	11.20	*1.23*	35716.351	387.380	429.925
1994	15.06	10.61	*1.42*	35826.302	391.398	434.208
1995	12.79	10.30	*1.24*	36504.778	395.112	439.125
1996	13.18	11.25	*1.17*	36926.285	400.848	440.767
1997	14.58	11.19	*1.30*	38989.000	405.502	450.058
1998	14.24	9.70	*1.47*	40360.000	410.961	457.950
1999	13.96	9.05	*1.54*	41651.000	411.187	465.500
2000	13.82	12.91	*1.07*	43476.000	410.045	476.908
2001	16.81	12.61	*1.33*	44388.000	407.452	478.508
2002	16.03	11.17	*1.43*	45881.000	410.070	479.433
2003	15.68	13.33	*1.18*	47809.000	410.589	484.275
2004	17.18	14.12	*1.22*	49763.000	412.074	488.483
2005	18.56	18.01	*1.03*	50380.000	411.353	491.125
2006	21.29	21.17	*1.01*	51304.000	411.287	492.983
2007	19.70	22.08	*0.89*	49838.000	411.381	492.017
2008	19.25	27.64	*0.70*	48262.000	414.059	481.058
2009	19.45	19.50	*1.00*	47709.000	414.002	459.350
2010	19.08	23.82	*0.80*	48803.000	414.331	458.000
2011	17.05	29.51	*0.58*	48424.000	417.189	460.517
2012	15.49	31.42	*0.49*	48631.000	421.155	465.433
2013	15.80	30.86	*0.51*	48815.000	424.831	471.500
2014	15.76	29.73	*0.53*	49269.000	427.777	478.592
2015	14.85	20.76	*0.72*	50184.000	427.961	485.142
2016	14.02	16.48	*0.85*	50433.000	428.223	490.183
2017	14.08	19.44	*0.72*	50886.712	429.631	496.433
2018	15.19	22.39	*0.68*	51677.732	431.689	500.860
2019	14.88	21.11	*0.71*	52419.286	433.525	505.014
2020	15.40	24.62	*0.63*	52796.829	435.731	505.754
2021	15.75	26.41	*0.60*	54167.415	437.651	507.058
2022	16.13	27.43	*0.59*	55500.038	439.823	511.165
2023	16.55	28.41	*0.58*	56566.757	442.090	514.149
2024	16.66	28.84	*0.58*	57597.644	444.526	516.967
2025	16.76	29.18	*0.57*	58523.715	447.122	519.349
2026	16.81	29.28	*0.57*	59360.774	449.690	521.080
2027	16.86	29.59	*0.57*	60159.199	452.090	522.573
PY24/PY19	2.3%	6.4%	-3.9%	1.9%	0.5%	0.5%

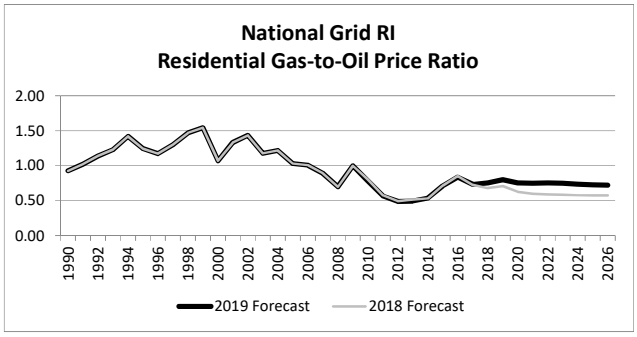
Chart III-B-3
Page 3 of 3

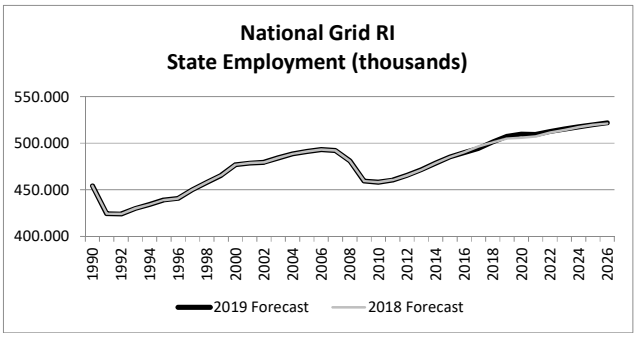




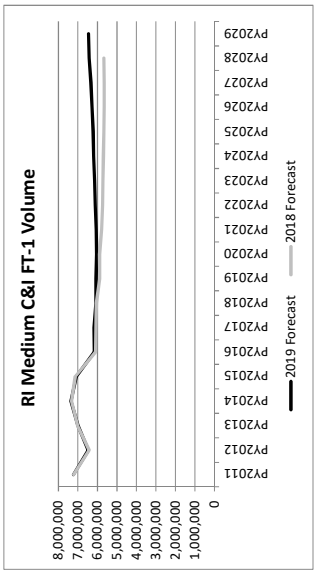


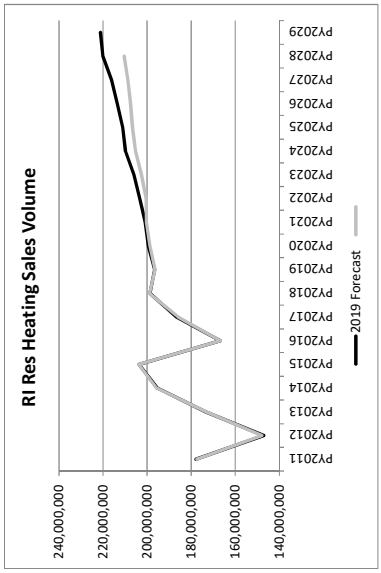


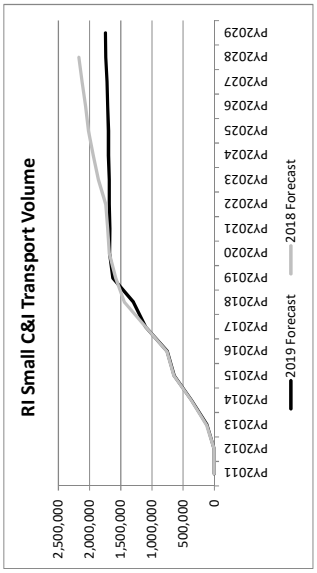


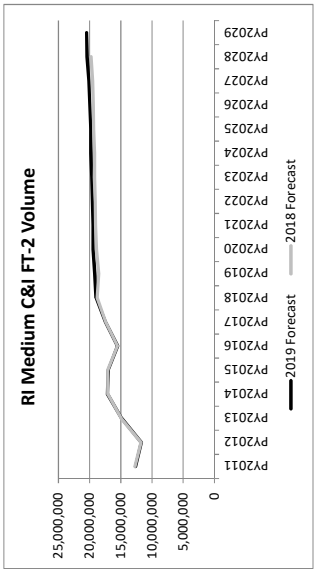


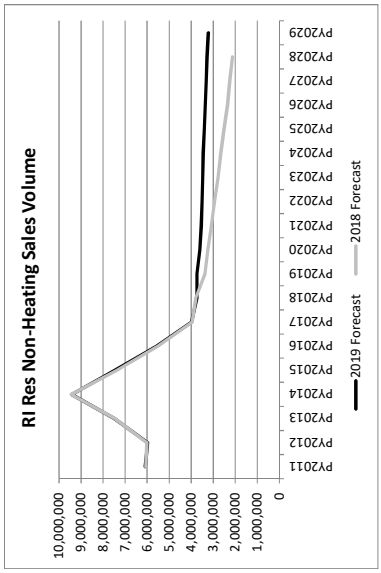
National Grid
2019 and 2018 Volume Forecasts by Rate Class
(Therms; Planning Year)

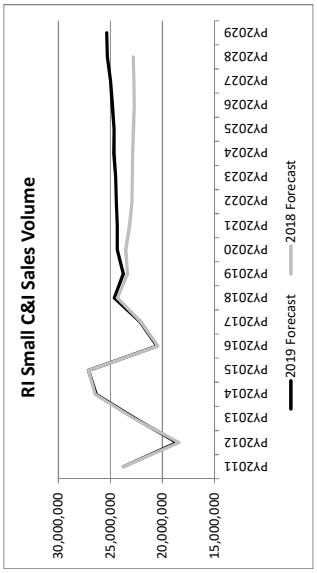


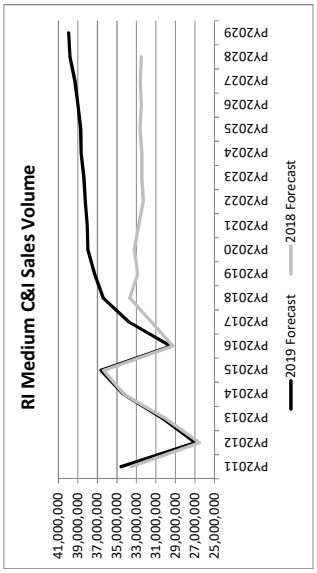




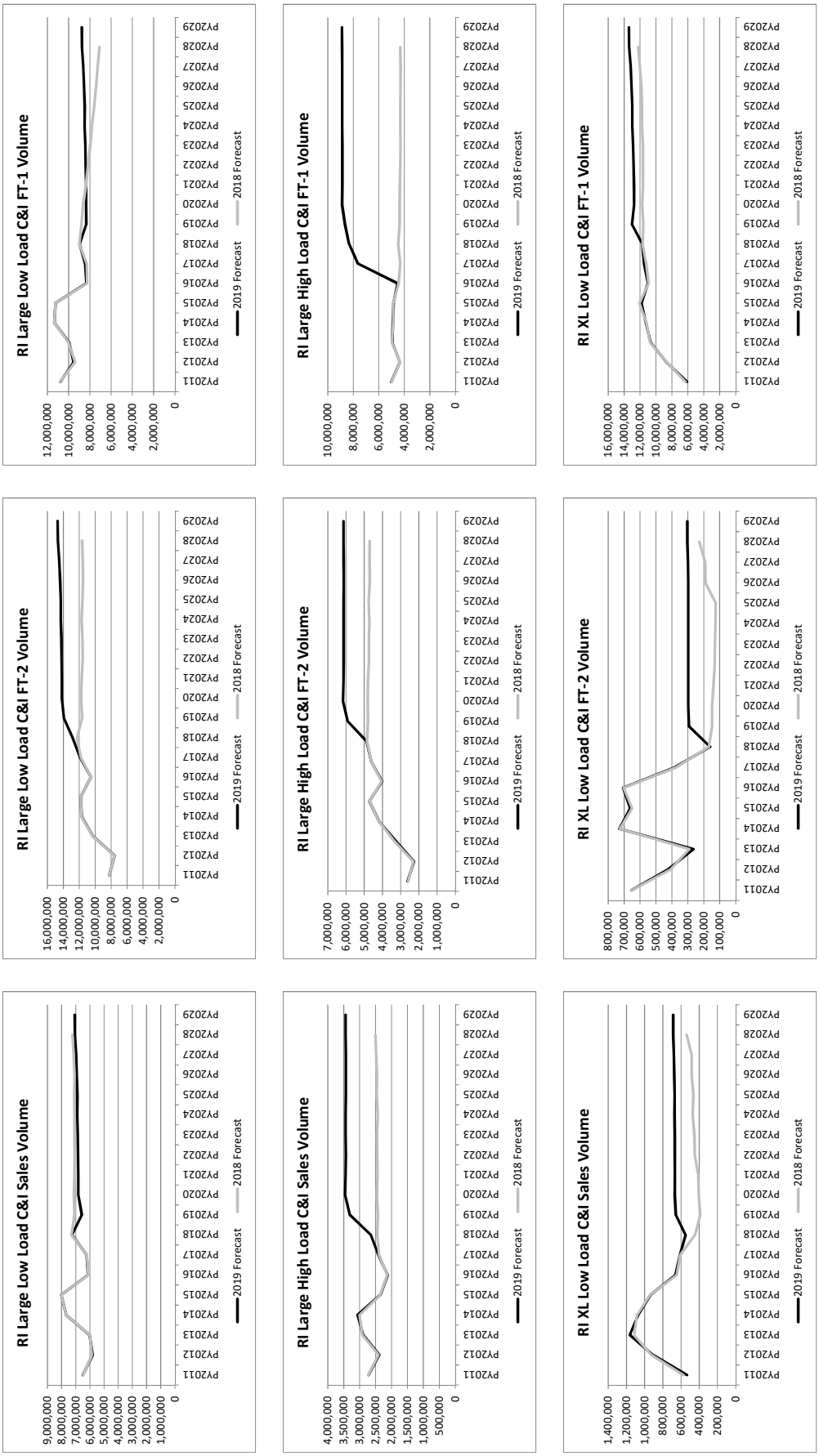




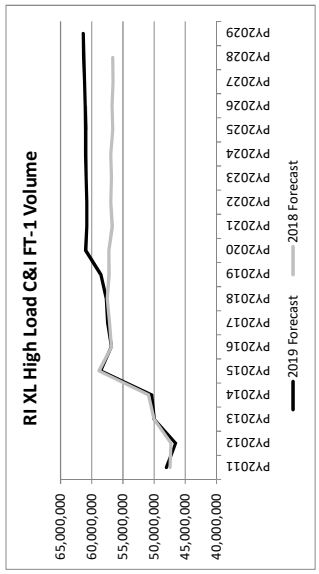


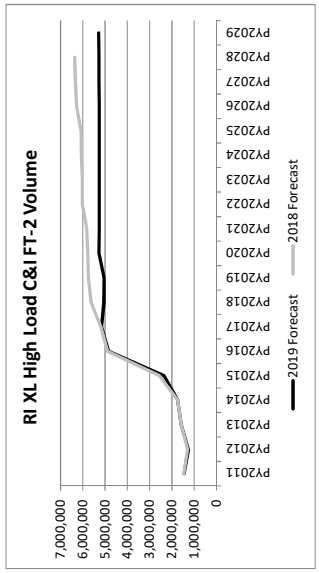


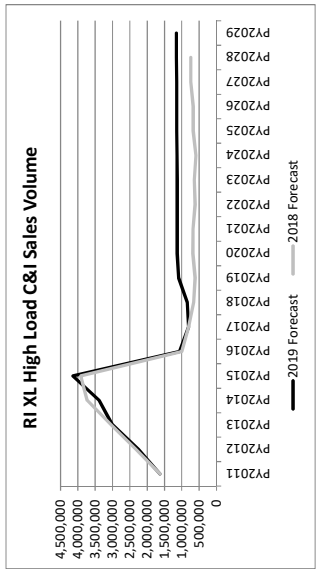
National Grid
2019 and 2018 Volume Forecasts by Rate Class
(Therms; Planning Year)

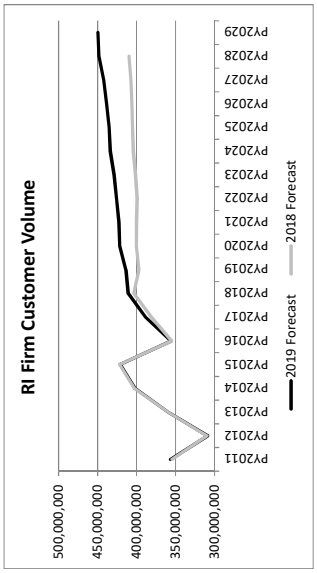


National Grid
2019 and 2018 Volume Forecasts by Rate Class
(Therms; Planning Year)

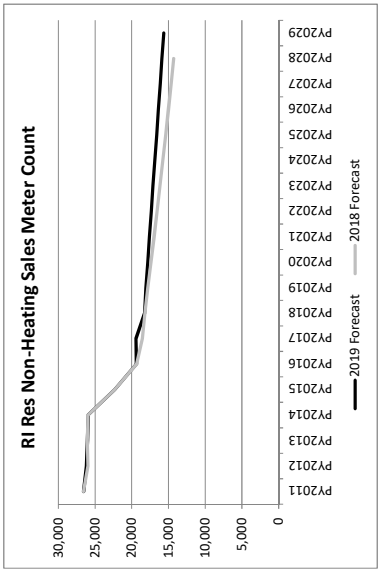


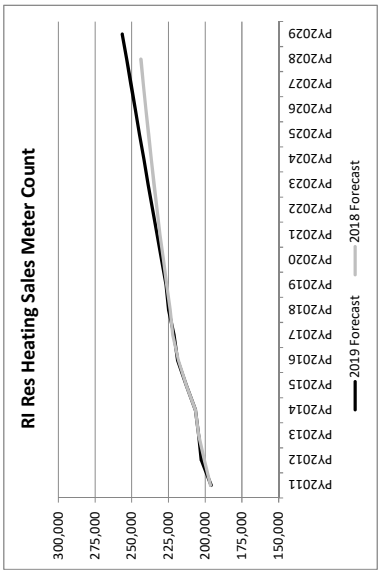


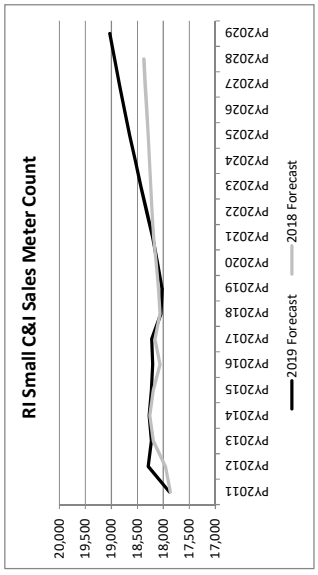


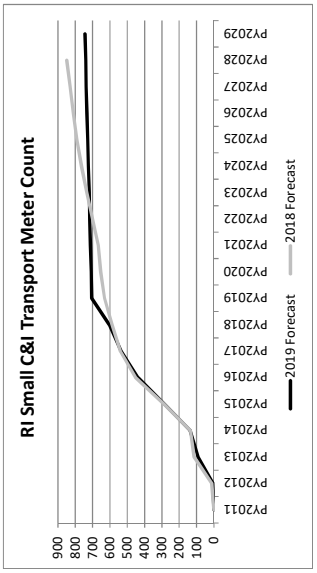


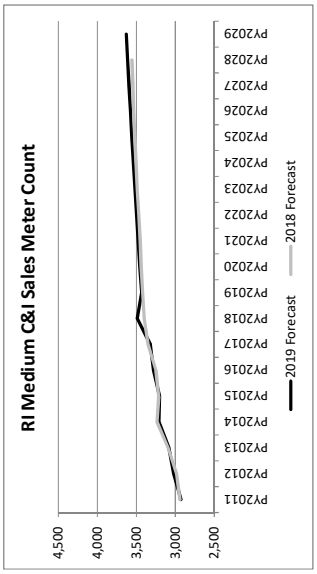
National Grid
2019 and 2018 Meter Count Forecasts by Rate Class
(end of Planning Year)

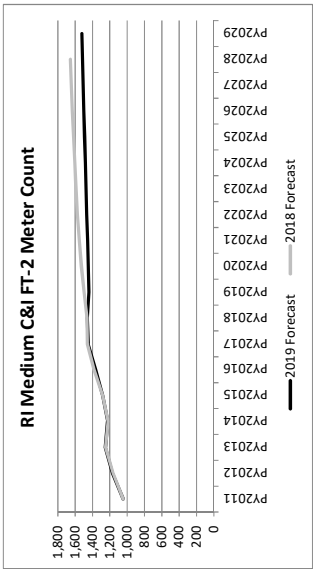


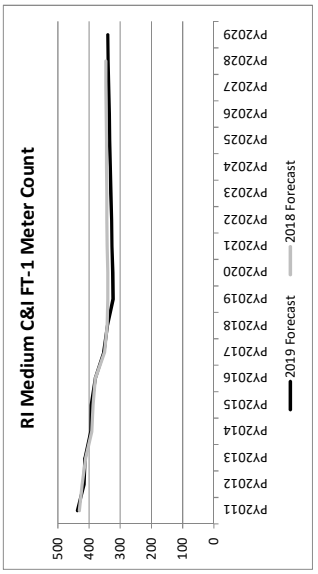




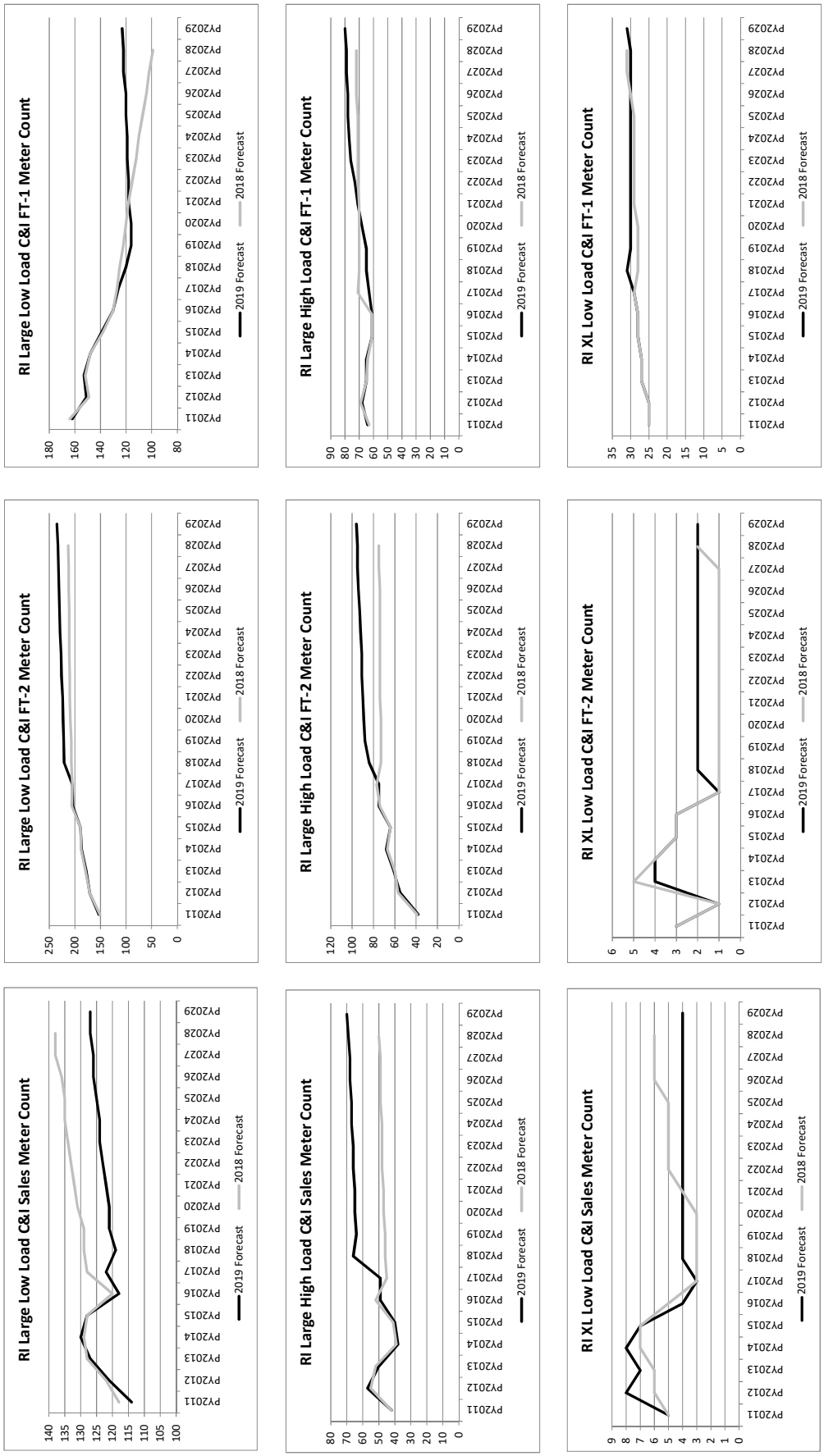




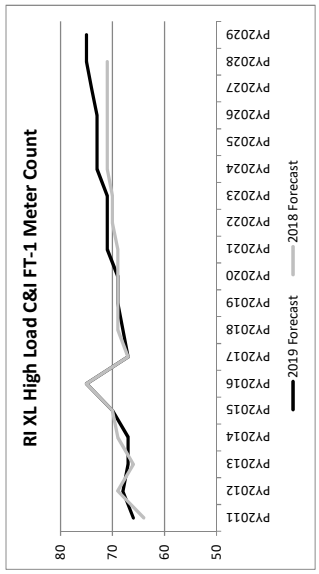


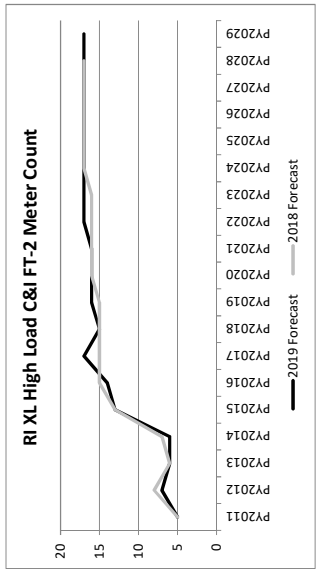


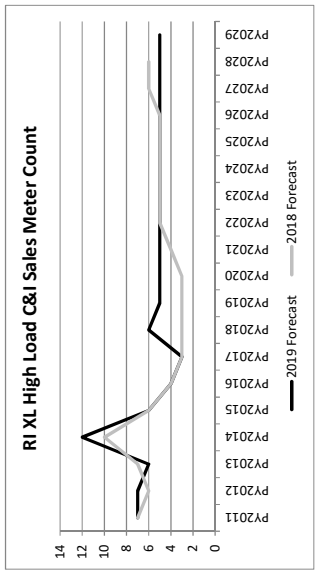
National Grid
2019 and 2018 Meter Count Forecasts by Rate Class
(end of Planning Year)

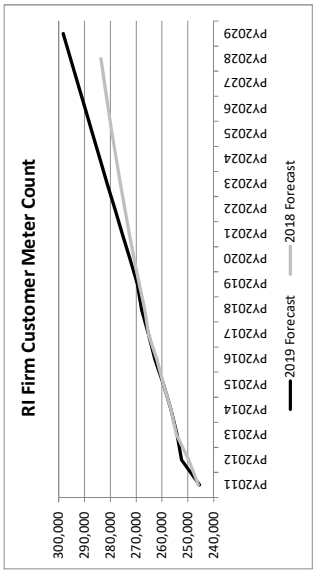


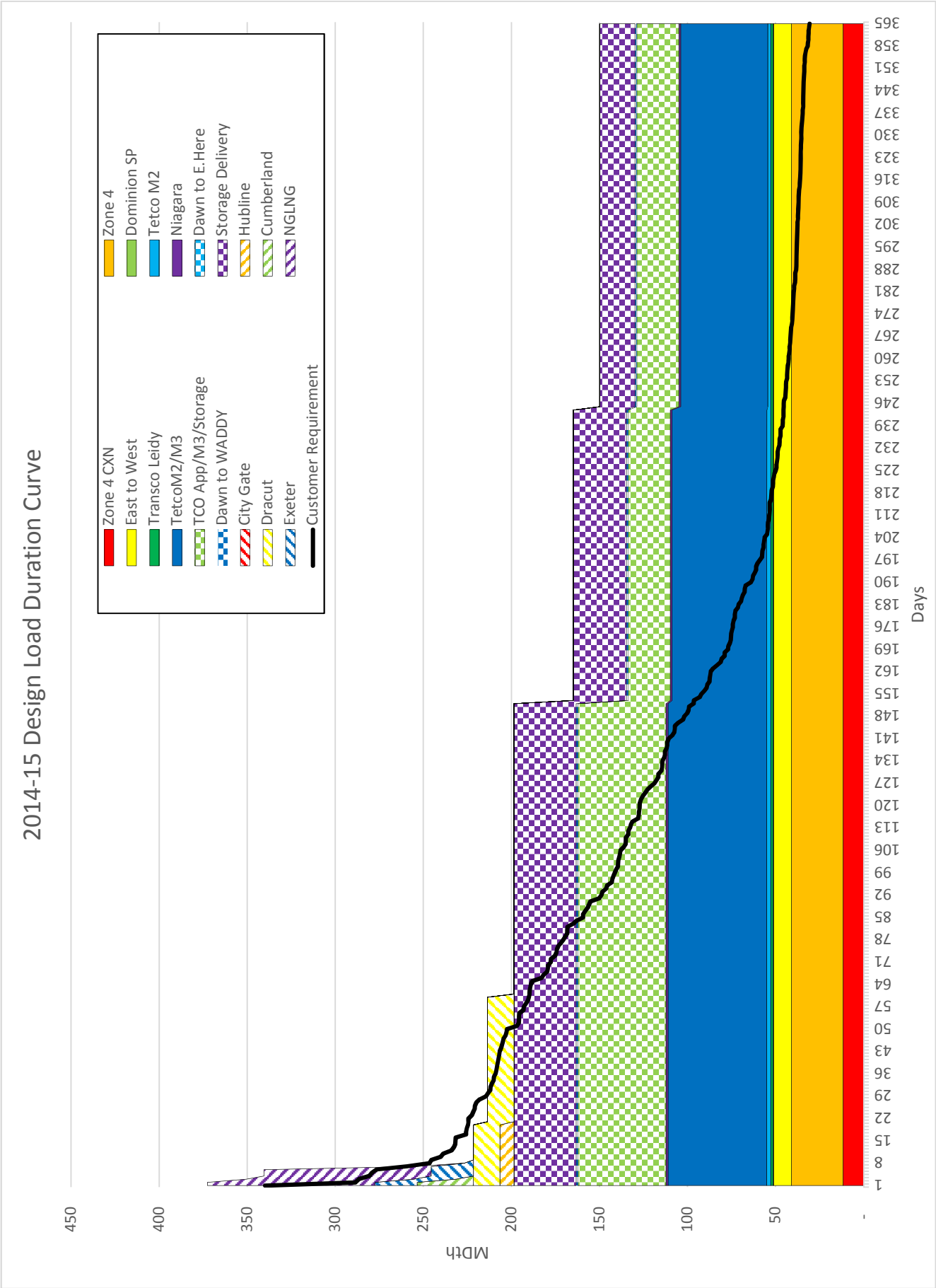
National Grid
2019 and 2018 Meter Count Forecasts by Rate Class
(end of Planning Year)










2014-15 Design Load Duration Curve
Zone 4 CXN
East to West
Transco Leidy
TetcoM2/M3
TCO App/M3/Storage
Dawn to WADDY
City Gate
Dracut
Exeter
Customer Requirement
Zone 4
Dominion SP
Tetco M2
Niagara
Dawn to E.Here
Storage Delivery
Hubline
Cumberland
NGLNG
MDth
450
400
350
300
250
200
150
100
50
-
Days
1
8
15
22
29
36
43
50
57
64
71
78
85
92
99
106
113
120
127
134
141
148
155
162
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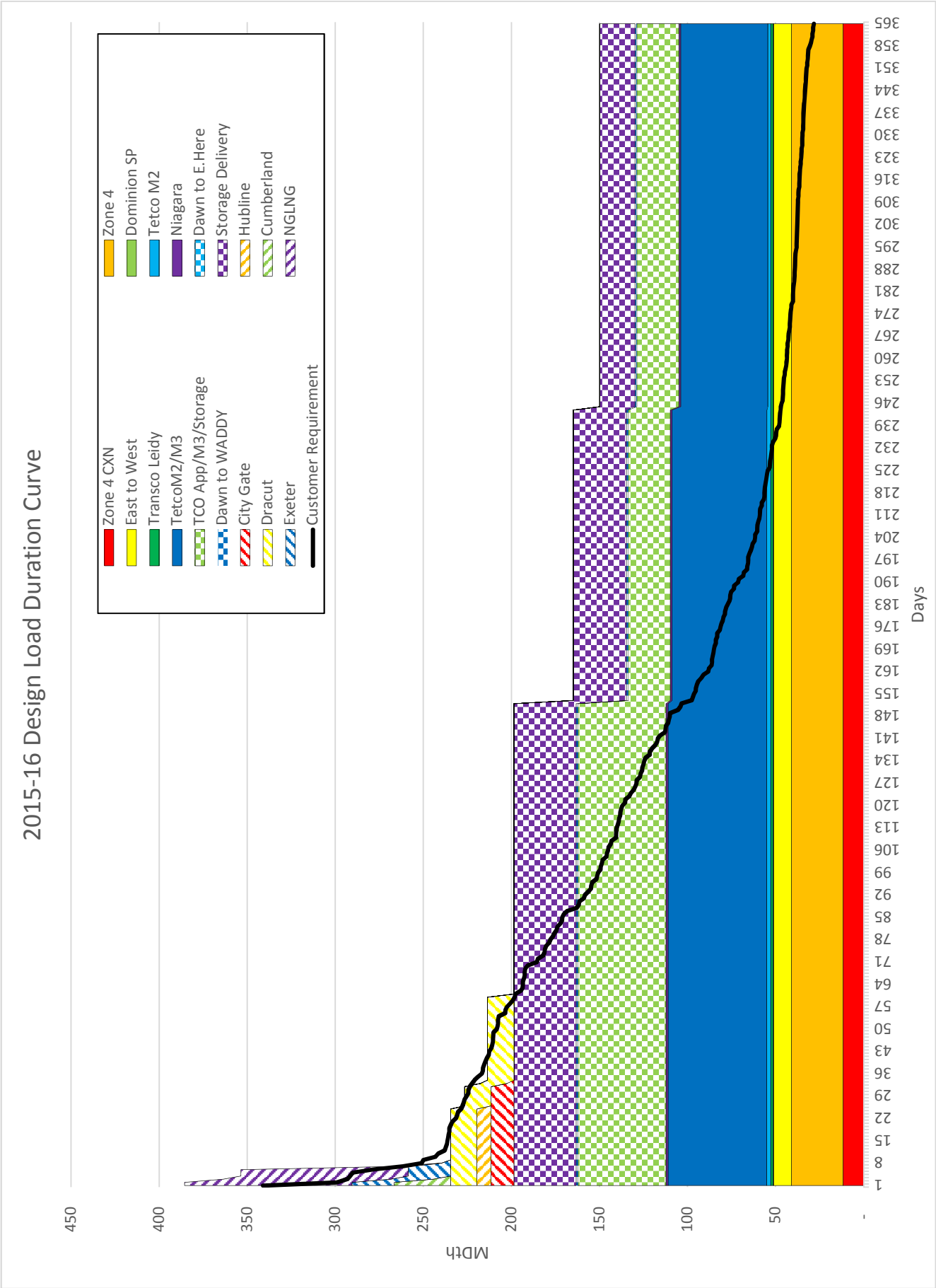
2015-16 Design Load Duration Curve
Zone 4 CXN
East to West
Transco Leidy
TetcoM2/M3
TCO App/M3/Storage
Dawn to WADDY
City Gate
Dracut
Exeter
Customer Requirement
Zone 4
Dominion SP
Tetco M2
Niagara
Dawn to E.Here
Storage Delivery
Hubline
Cumberland
NGLNG
MDth
450
400
350
300
250
200
150
100
50
-
Days
1
8
15
22
29
36
43
50
57
64
71
78
85
92
99
106
113
120
127
134
141
148
155
162
169
176
183
190
197
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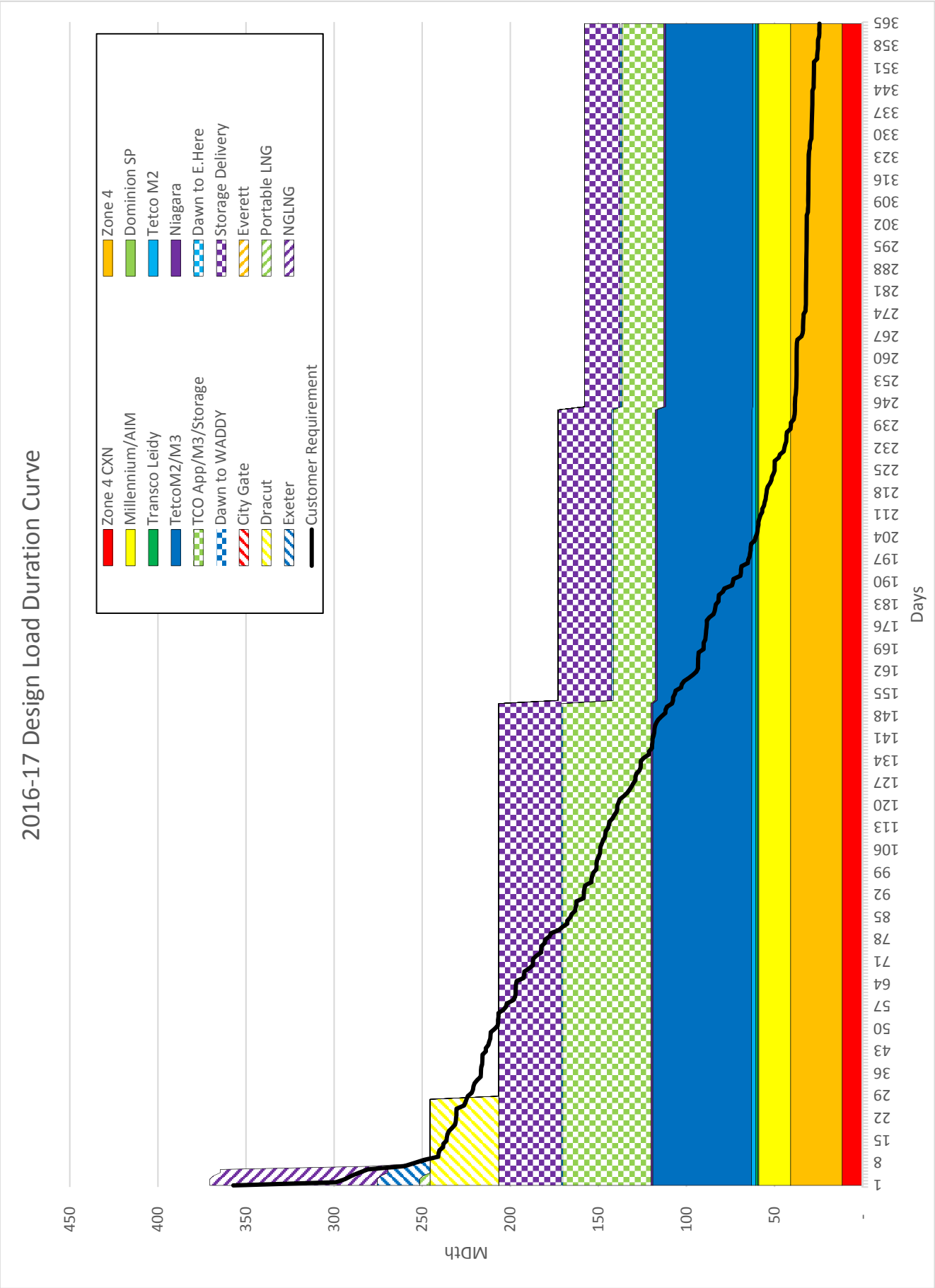
2016-17 Design Load Duration Curve
Zone 4 CXN
Millennium/AIM
Transco Leidy
TetcoM2/M3
TCO App/M3/Storage
Dawn to WADDY
City Gate
Dracut
Exeter
Customer Requirement
Zone 4
Dominion SP
Tetco M2
Niagara
Dawn to E.Here
Storage Delivery
Everett
Portable LNG
NGLNG
MDth
450
400
350
300
250
200
150
100
50
-
Days
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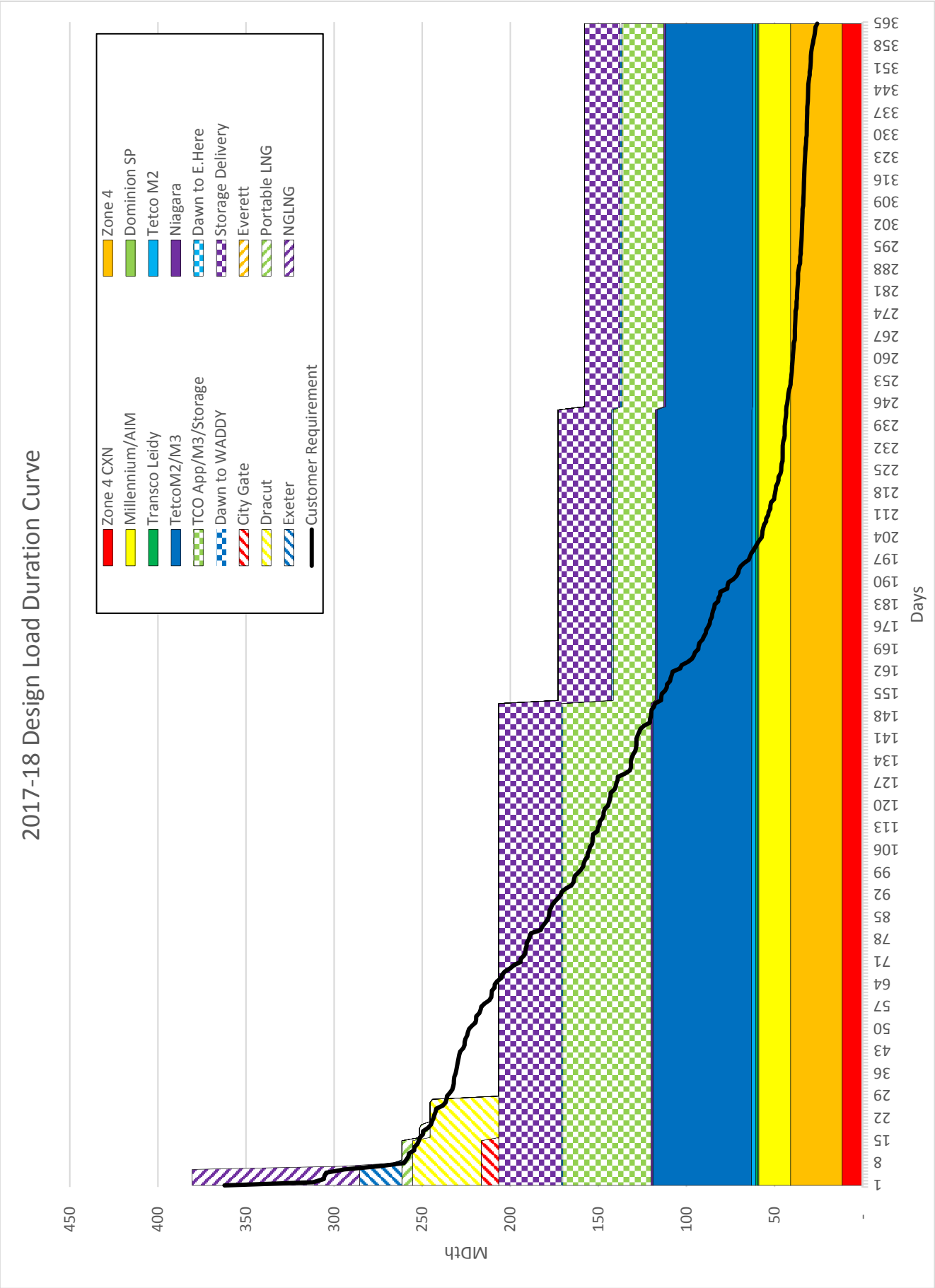
2017-18 Design Load Duration Curve
Zone 4 CXN
Millennium/AIM
Transco Leidy
TetcoM2/M3
TCO App/M3/Storage
Dawn to WADDY
City Gate
Dracut
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Customer Requirement
Zone 4
Dominion SP
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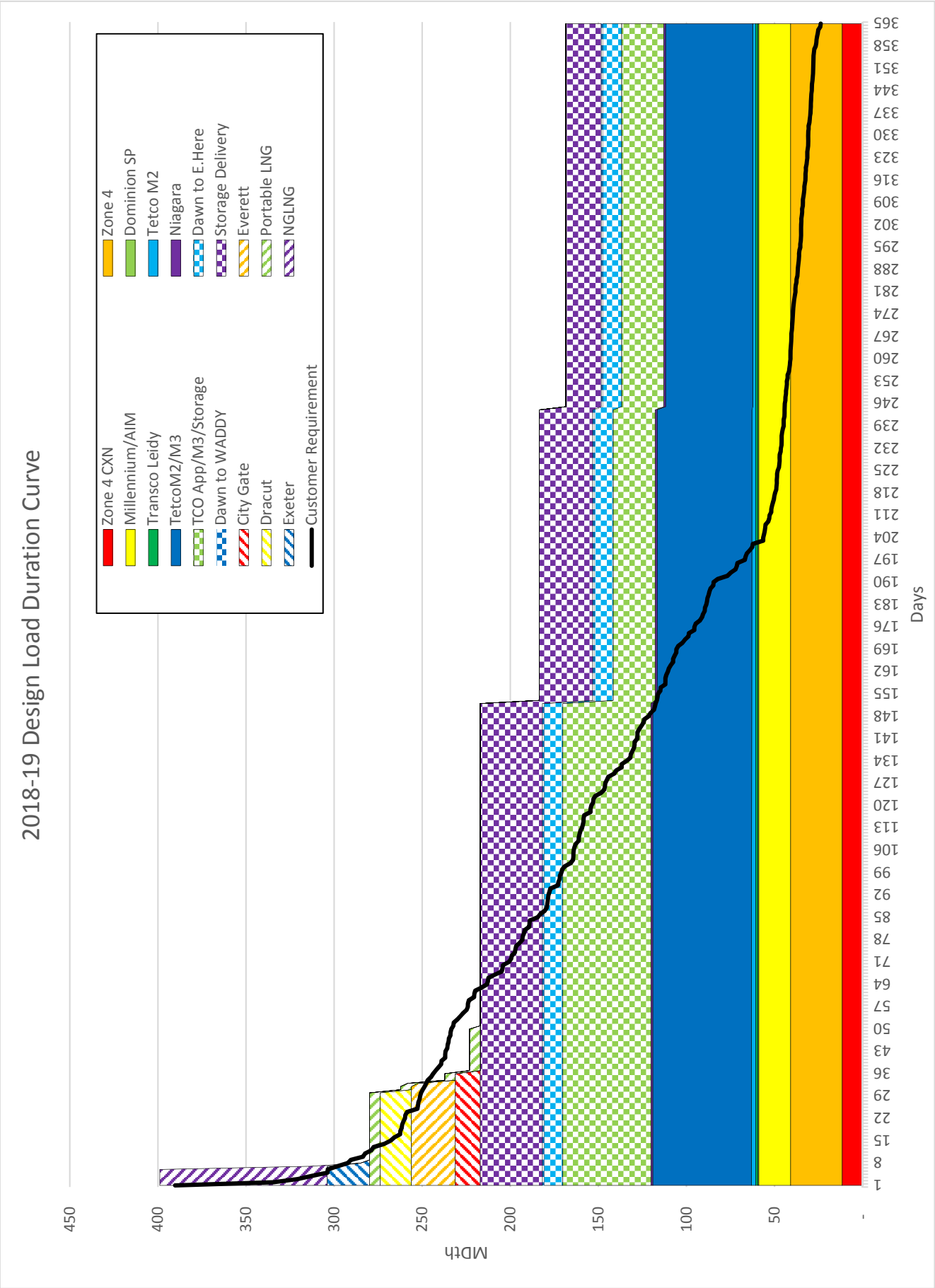
2018-19 Design Load Duration Curve
Zone 4 CXN
Millennium/AIM
Transco Leidy
TetcoM2/M3
TCO App/M3/Storage
Dawn to WADDY
City Gate
Dracut
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Customer Requirement
Zone 4
Dominion SP
Tetco M2
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Dawn to E.Here
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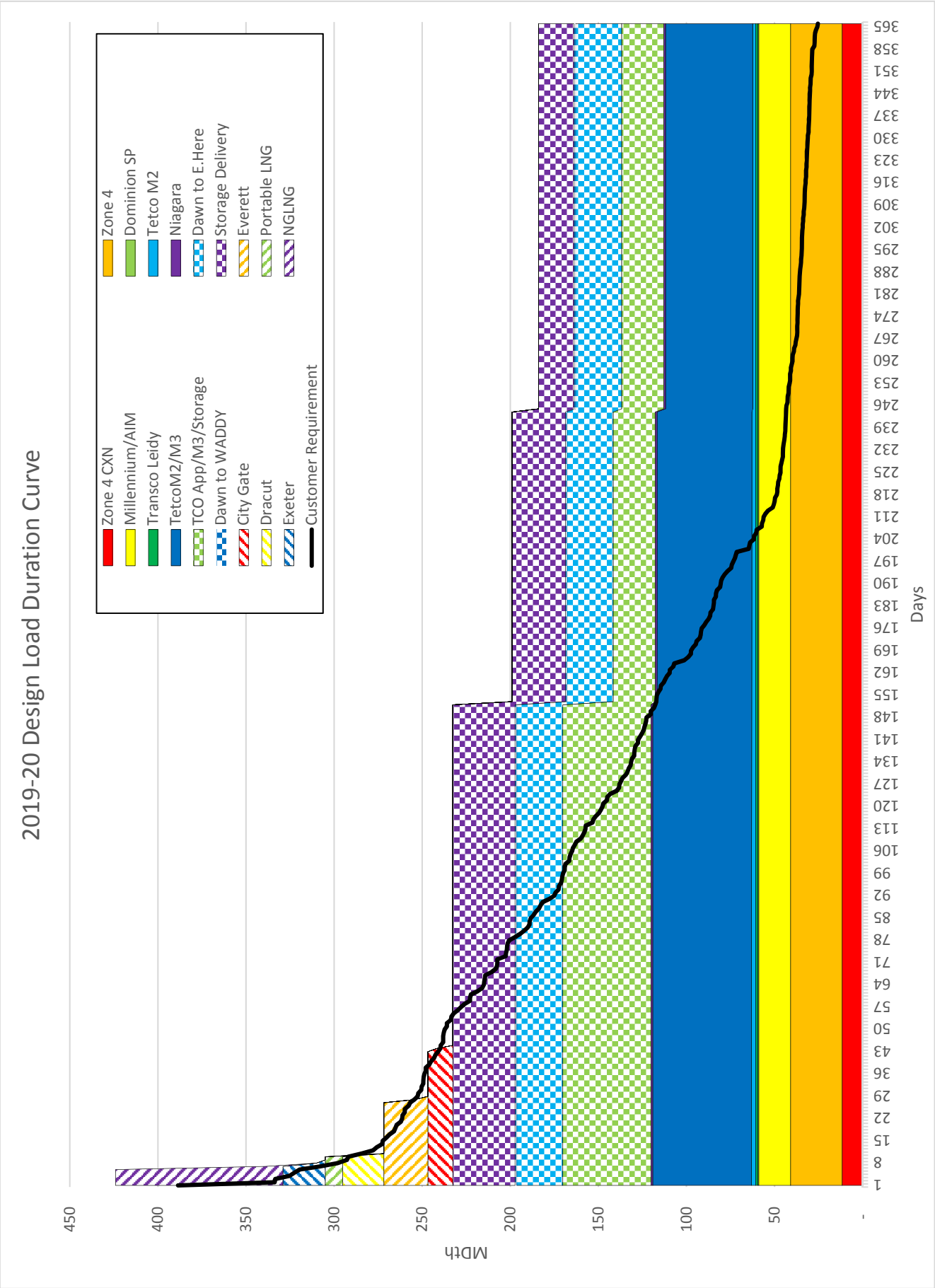
2019-20 Design Load Duration Curve
Zone 4 CXN
Millennium/AIM
Transco Leidy
TetcoM2/M3
TCO App/M3/Storage
Dawn to WADDY
City Gate
Dracut
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Customer Requirement
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Tetco M2
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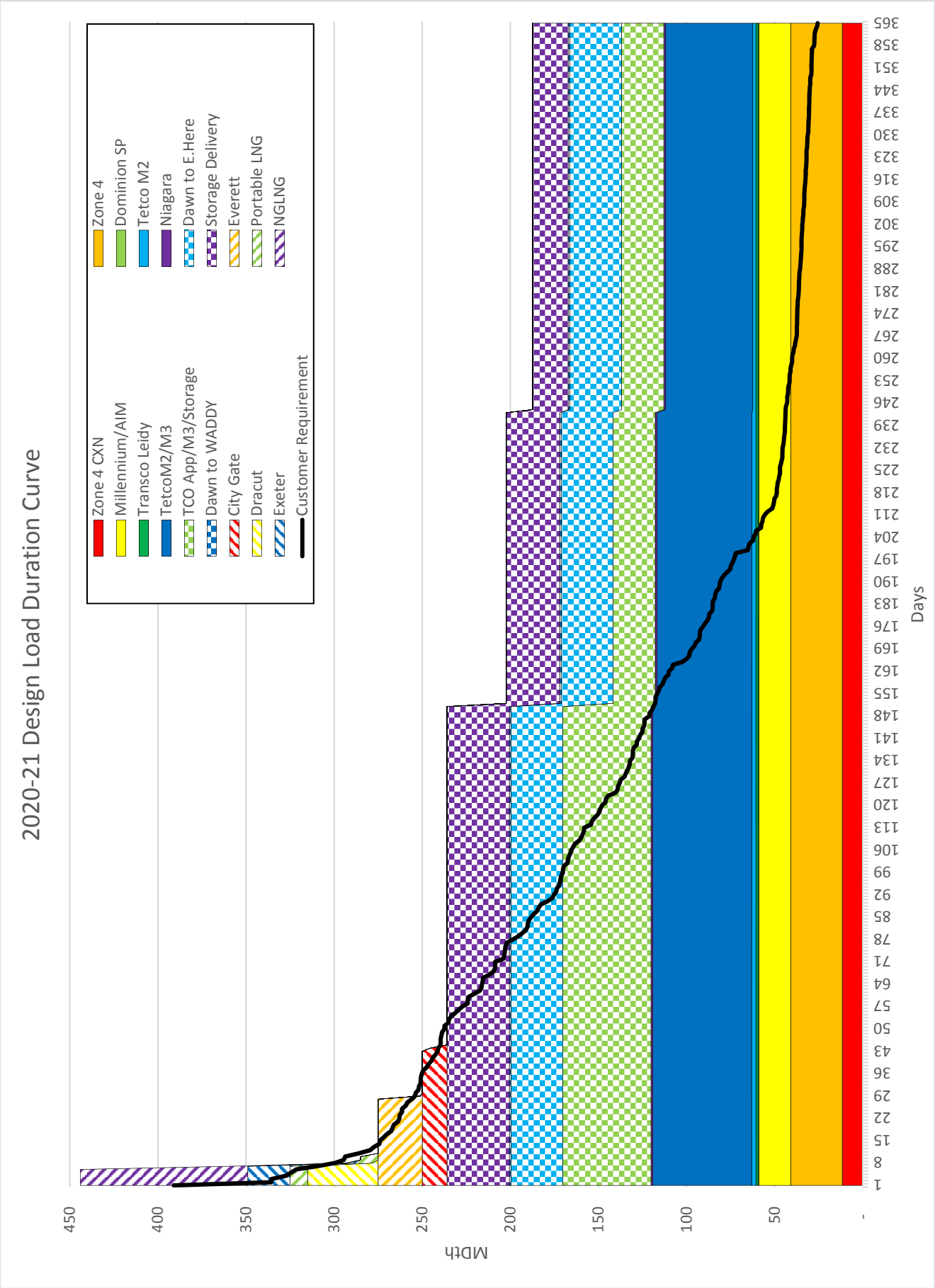
2020-21 Design Load Duration Curve
Zone 4 CXN
Millennium/AIM
Transco Leidy
TetcoM2/M3
TCO App/M3/Storage
Dawn to WADDY
City Gate
Dracut
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Customer Requirement
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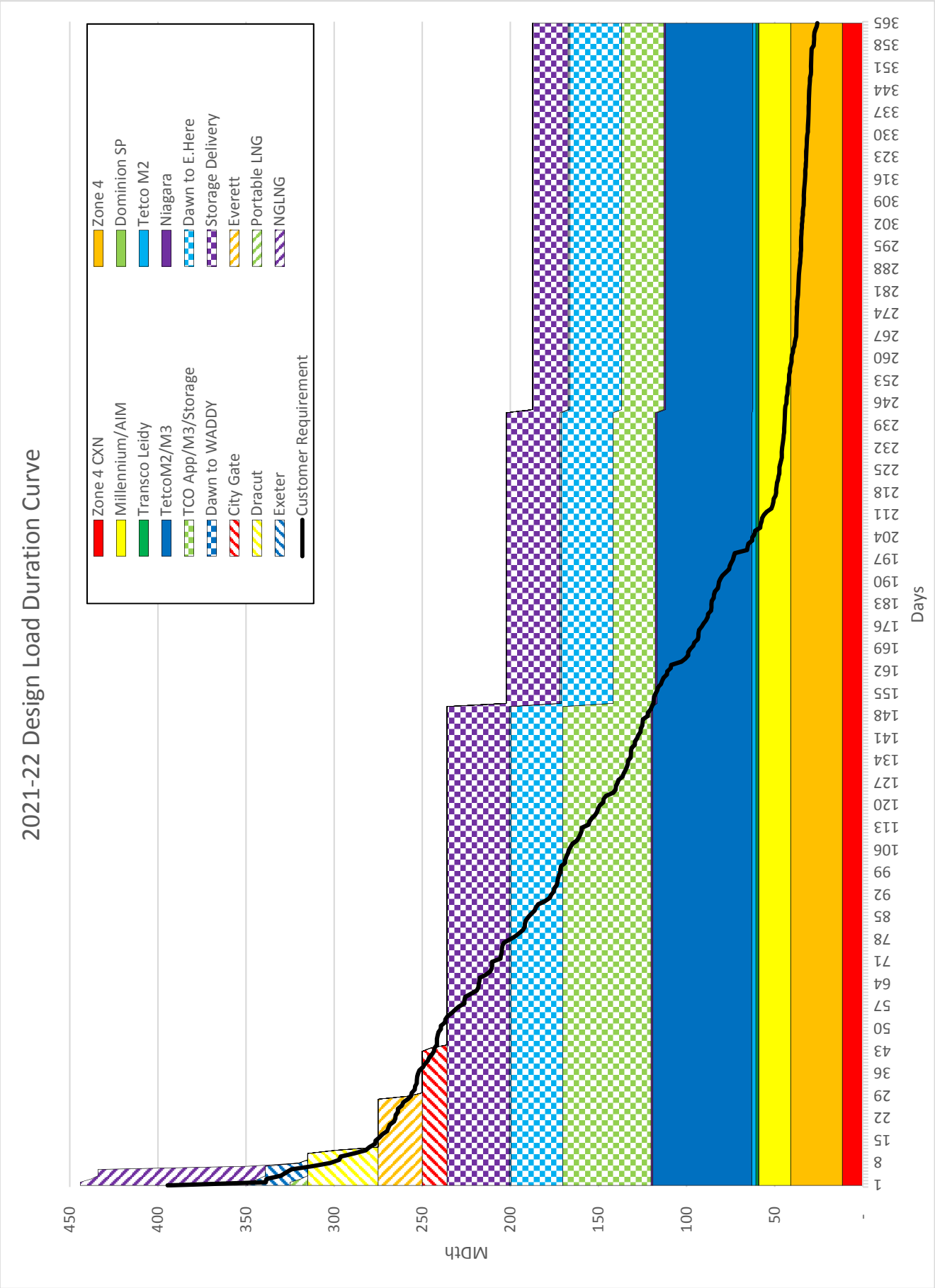
2021-22 Design Load Duration Curve
Zone 4 CXN
Millennium/AIM
Transco Leidy
TetcoM2/M3
TCO App/M3/Storage
Dawn to WADDY
City Gate
Dracut
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Customer Requirement
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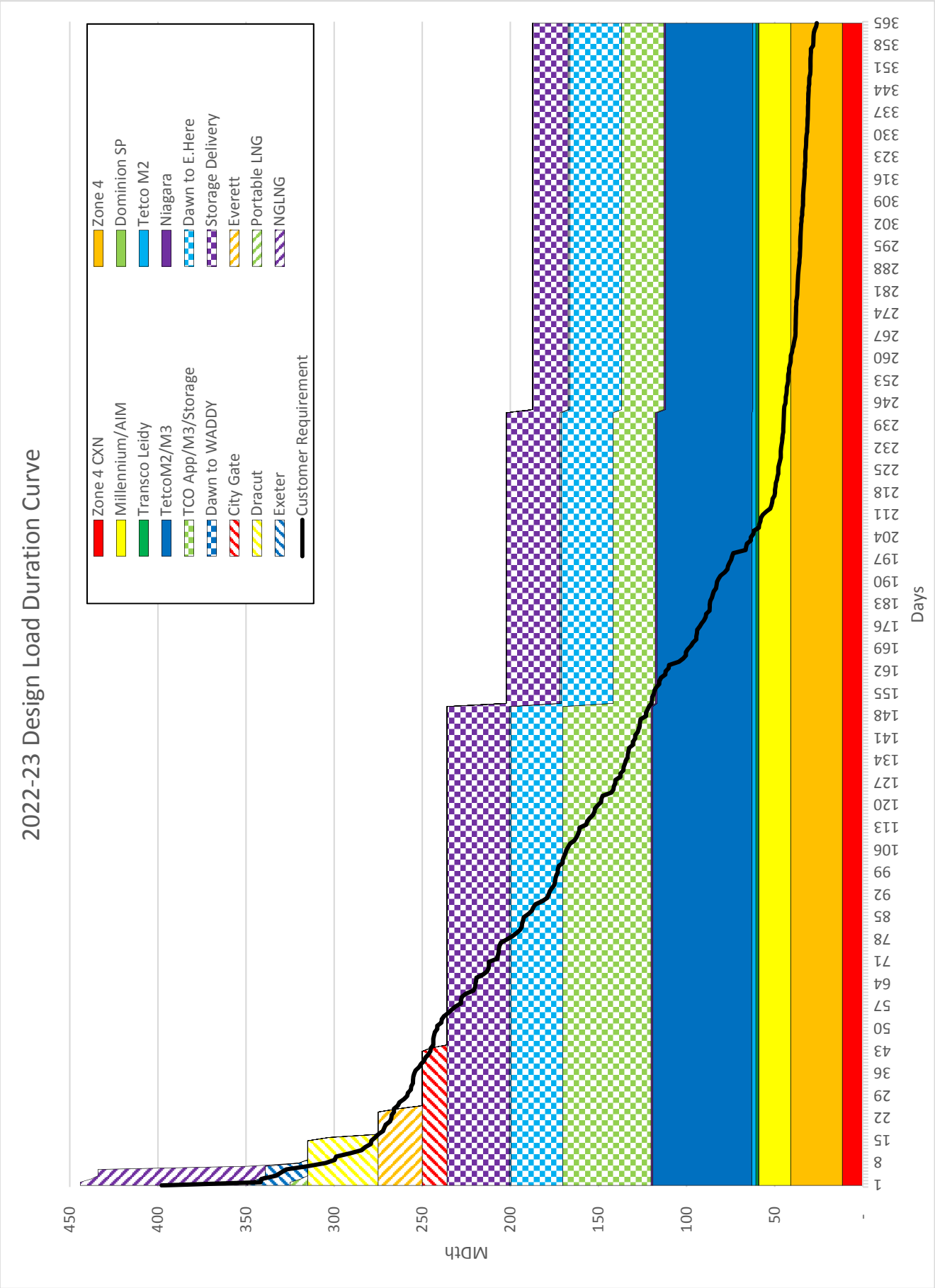
2022-23 Design Load Duration Curve
Zone 4 CXN
Millennium/AIM
Transco Leidy
TetcoM2/M3
TCO App/M3/Storage
Dawn to WADDY
City Gate
Dracut
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Customer Requirement
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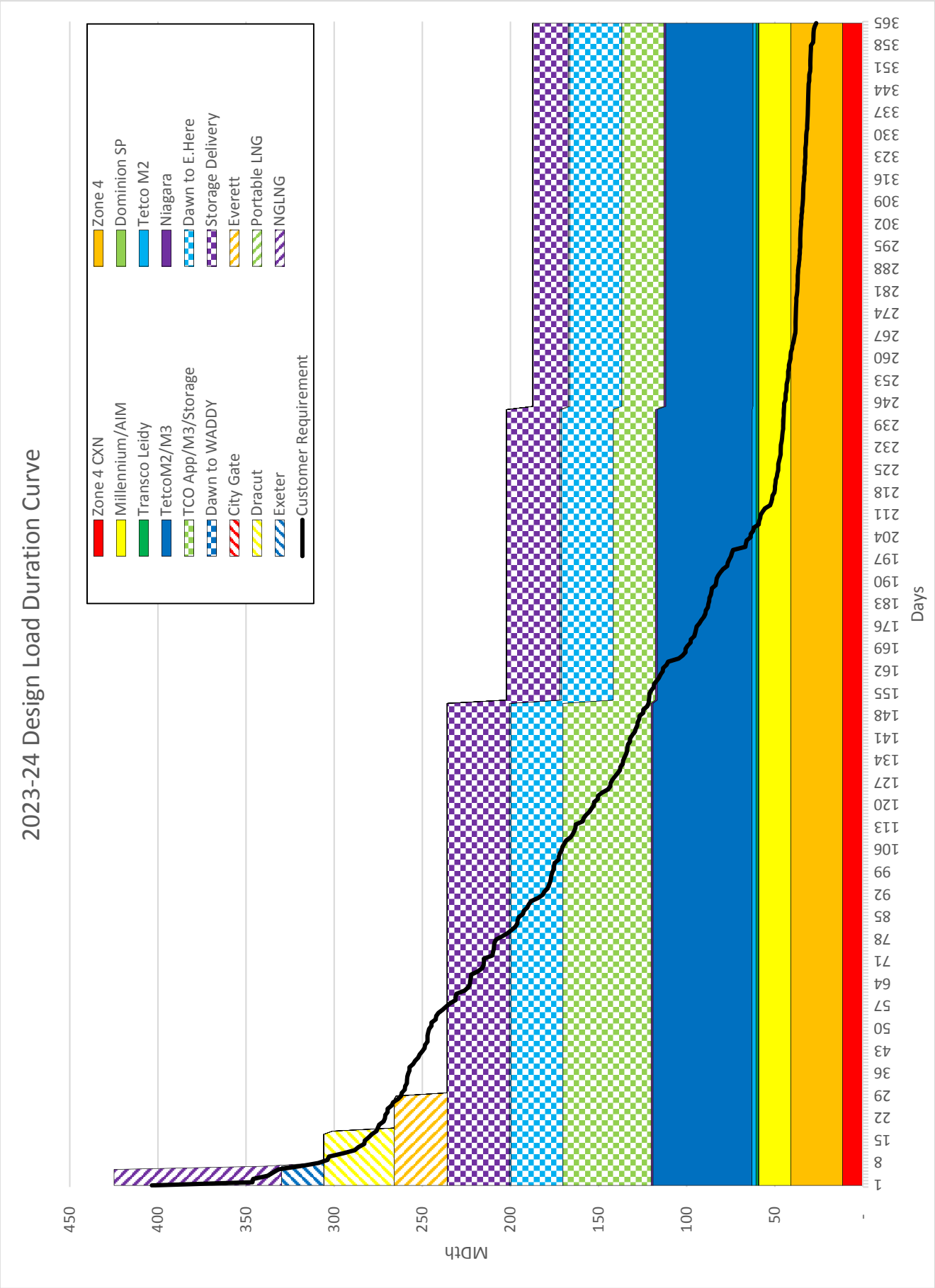
2023-24 Design Load Duration Curve
Zone 4 CXN
Millennium/AIM
Transco Leidy
TetcoM2/M3
TCO App/M3/Storage
Dawn to WADDY
City Gate
Dracut
Exeter
Customer Requirement
Zone 4
Dominion SP
Tetco M2
Niagara
Dawn to E.Here
Storage Delivery
Everett
Portable LNG
NGLNG
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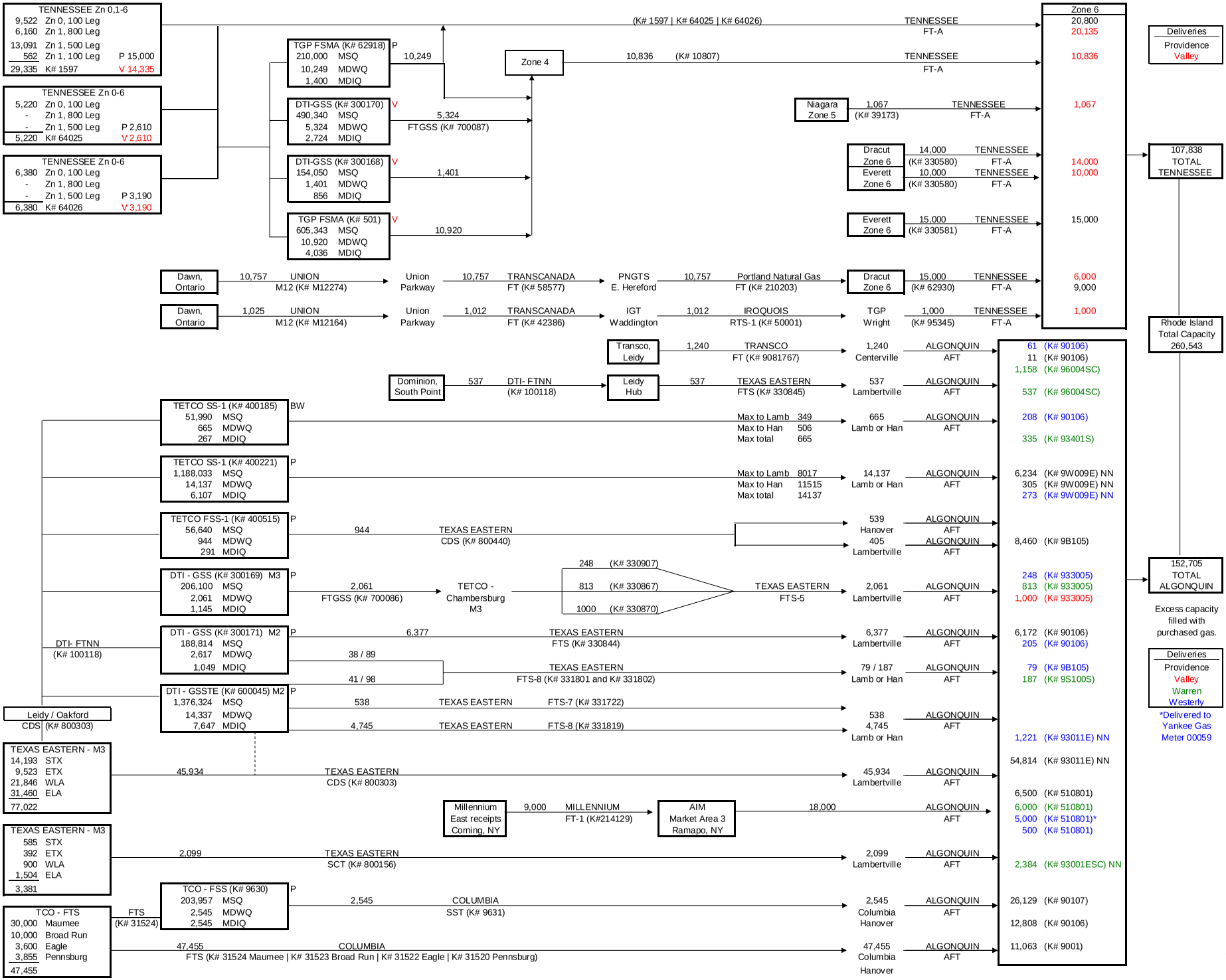
Hourly Supply/Demand Imbalance by Take Station

				2019/20			2023/24		
Pipeline /LNG	Lateral	Take Station	Meter No.	Total Supply Deliveries Company & Marketers (Dth/hr)	Total Firm Peak Hour Model Flow (DTH/hr)	Total Firm Peak Hour Balance (-) = Shortfall (+) = Surplus (DTH/hr)	Total Supply Deliveries Company & Marketers (Dth/hr)	Total Firm Peak Hour Model Flow (DTH/hr)	Total Firm Peak Hour Balance (-) = Shortfall (+) = Surplus (DTH/hr)
AGT	G	Barrington	00064	0	0	0	0	0	0
AGT	G	Warren	00012	811	794	17	770	794	-24
AGT	G	Burrillville	00044	0	30	-30	0	31	-31
AGT	G	Crary St	00842	0	2,060	-2,060	0	2,060	-2,060
AGT	G	Dey St	00004	5,531	2,077	3,454	5,695	2,091	3,603
AGT	G	Cumberland	00083	42	49	-8	42	49	-8
AGT	G	Portsmouth	00013	1,045	1,210	-164	1,045	1,231	-186
AGT	G	Tiverton	00033	56	68	-12	56	70	-14
AGT	G	E Providence	00010	1,698	2,221	-523	1,698	2,342	-644
AGT	E	Westerly	00008	144	112	32	144	114	30
AGT		Montville	00059	208	233	-25	208	246	-38
TGP	Cranston	Cranston	420750	2,989	2,107	882	3,026	3,151	-125
TGP	Cranston	Lincoln	420758	1,283	1,053	230	1,283	1,054	230
TGP	Cranston	Smithfield	420910	450	1,608	-1,158	450	1,638	-1,188
TGP		Cumberland	420135	1,343	1,823	-480	1,343	1,832	-489
LNG		Exeter		1,000	1,000	0	1,000	1,000	0
LNG		Providence		3,958	4,750	-792	3,958	4,750	-792
LNG		Cumberland		750	750	0	750	750	0
			TOTAL:	**21,308**	**21,944**	**-636**	**21,467**	**23,202**	**-1,735**

RHODE ISLAND COMPANIES - CONSOLIDATED PORTFOLIO SCHEMATIC

Peak Season Volumes

As of June 1, 2019



NATIONAL GRID - RHODE ISLAND ASSETS
Transportation Contracts

Shipper	Pipeline Company	Contract No.	Rate Schedule	City Gate MDQ	Annual Quantity	Expiration Date	Currently In Evergreen	Notes
Narragansett Electric Co.	Algonquin	9001	AFT1FT3	11,063	4,037,995	12/31/2021	No	Part-284 transportation service (365-day) used to transport gas from the Columbia interconnect at Hanover, NJ (11,063 MMBtu) to National Grid - Dey St (11,063 MMBtu).
Narragansett Electric Co.	Algonquin	90106	AFT-14	19,465	7,104,725	10/31/2020	Yes	Part-284 transportation service (365-day) used to transport gas from the Columbia interconnect at Hanover, NJ (12,808 MMBtu), TETCO interconnect at Lamberville (6,585 MMBtu) and Transco interconnect at Centerville (72 MMBtu) to National Grid - Dey St (9,223 MMBtu), National Grid - Tiverton (598 MMBtu), National Grid - Westerly (474 MMBtu), National Grid - E. Providence (4,092 Mmbtu), and National Grid - Portsmouth (5,078 MMBtu).
Narragansett Electric Co.	Algonquin	90107	AFT-1W	26,129	3,945,479	10/31/2020	Yes	Part-284 service with a seasonally adjusted MDQ of (26,129 MMBtu), used to transport gas from the Columbia interconnect at Hanover, NJ to National Grid - Dey St (19,514 MMBtu) and National Grid - E. Providence (6,615 MMBtu).
Narragansett Electric Co.	Algonquin	933005	AFT-1P	2,061	752,265	3/31/2021	Yes	Part-284 transportation service (365-day) used to transport gas from the TETCO interconnect at Lamberville, NJ (2,061 MMBtu) to National Grid - Cumberland (1,000 MMBtu), National Grid - Westerly (248 MMBtu), and National Grid - Warren (813 MMBtu).
Narragansett Electric Co.	Algonquin	93001ESC	AFT-ES1	2,384	771,904	10/31/2020	Yes	Part-284 NO NOTICE service with a seasonally adjusted MDQ of (2,384 MMBtu), used to transport gas from the TETCO interconnect at Lambertville, NJ (1,377 MMBtu) and Hanover, NJ (1,007 MMBtu) to National Grid - Warren (2,384 MMBtu).
Narragansett Electric Co.	Algonquin	93011E	AFT-E1	56,035	19,446,885	10/31/2020	Yes	Part-284 NO NOTICE service with a seasonally adjusted MDQ of (56,035 MMBtu), used to transport gas from the TETCO interconnect at Lambertville, NJ (34,668 MMBtu) and Hanover, NJ (21,367 MMBtu) to National Grid - Dey St (25,137 MMBtu), National Grid - Westerly (1,221 MMBtu), National Grid - E. Providence (48,147 MMBtu), National Grid - Warren (4,173 MMBtu), National Grid - Portsmouth (6,504 MMBtu), and National Grid - Tiverton (163 MMBtu).
Narragansett Electric Co.	Algonquin	93401S	AFT-1S4	335	122,275	10/31/2020	Yes	Part-284 transportation service (365-day) used to transport gas from the TETCO interconnect at Lambertville, NJ (335 MMBtu) to National Grid - Warren (335 MMBtu).
Narragansett Electric Co.	Algonquin	96004SC	AFT-1S3	1,695	618,675	10/31/2020	Yes	Part-284 firm transportation service (365-day) used to transport gas from the TETCO interconnect at Lambertville, NJ (537 MMBtu) and Centerville, NJ (1,158 MMBtu) to National Grid - Warren (1,695 MMBtu).
Narragansett Electric Co.	Algonquin	9B105	AFT-1B	8,539	1,813,145	10/31/2020	Yes	Part-284 service with a seasonally adjusted MDQ of (8,539 MMBtu), used to transport gas from the TETCO interconnect at Lambertville, NJ to National Grid - Dey St (4,258 MMBtu), National Grid - Portsmouth (4,202 MMBtu) and National Grid - Westerly (79 MMBtu).
Narragansett Electric Co.	Algonquin	9S100S	AFT-1SX	187	39,737	10/31/2020	Yes	Part-284 service with a seasonally adjusted MDQ of (187 MMBtu), used to transport gas from the TETCO interconnect at Lambertville, NJ to National Grid - Warren (187 MMBtu).
Narragansett Electric Co.	Algonquin	9W009E	AFT-EW	6,812	1,446,384	10/31/2020	Yes	Part-284 NO NOTICE service with a seasonally adjusted MDQ of (6,812 MMBtu), used to transport gas from the TETCO interconnect at Hanover, NJ (4,222 MMBtu) and Lamberville, NJ (2,590 MMBtu) to National Grid - Dey St (6,234 MMBtu), National Grid - Westerly (273 MMBtu), and National Grid - Portsmouth (305 MMBtu).
Narragansett Electric Co.	Algonquin	510801	AFT1AIM	18,000	6,570,000	1/6/2032	No	Part-284 transportation service used to transport gas from Ramapo, NY (18,000 MMBtu) to National Grid - Westerly (500 MMBtu), National Grid - Warren (6,000 MMBtu), National Grid - Portsmouth (6,000 MMBtu), National Grid - Tiverton (500 MMBtu), and Yankee Gas - Montville (5,000 MMBtu).
Narragansett Electric Co.	Algonquin	510985	AFTCLMS	96,000	35,040,000	7/16/2032	No	Part-284 transportation service used to transport gas from Manchester Street Lateral on the G-12 System (Meter No. 80070) to National Grid - Crary Street-Providence, RI (96,000 MMBtu).
Narragansett Electric Co.	Algonquin	510877	OBA	N/A	N/A	N/A	Yes	Operational Balancing Agreement (OBA) between National Grid Rhode Island and Algonquin Gas Transmission.

Shipper	Pipeline Company	Contract No.	Rate Schedule	City Gate MDQ	Annual Quantity	Expiration Date	Currently In Evergreen	Notes
Narragansett Electric Co.	Columbia	31520	FTS	3,855	1,407,075	10/31/2020	No	Part-284 transportation service used to transport gas from Pennsburg-23 (3,855 MMBtu) to Columbia interconnect at Hanover, NJ (3,855 MMBtu).
Narragansett Electric Co.	Columbia	31522	FTS	3,600	1,314,000	10/31/2020	No	Part-284 transportation service used to transport gas from Eagle-25 (3,600 MMBtu) to Columbia interconnect at Hanover, NJ (3,600 MMBtu).
Narragansett Electric Co.	Columbia	31523	FTS	10,000	3,650,000	10/31/2020	No	Part-284 transportation service used to transport gas from Broad Run-19 (10,000 MMBtu) to Columbia interconnect at Hanover, NJ (10,000 MMBtu).
Narragansett Electric Co.	Columbia	31524	FTS	30,000	10,950,000	10/31/2020	No	Part-284 transportation service used to transport gas from Maumee-1 (30,000 MMBtu) to Columbia interconnect at Hanover, NJ (30,000 MMBtu).
Narragansett Electric Co.	Columbia	9631	SST	2,545	695,966	4/1/2040	No	Part-284 transportation service used to transport gas from RP Strorage Point TCO-FSS #9630 (2,545 MMBtu) to Columbia interconnect at Hanover, NJ (2,545 MMBtu). MDQ Seasonally adjusted to be 1,272 MDQ from Apr - Sep.
Narragansett Electric Co.	Dominion	100118	FTNN	537	196,005	3/31/2022	No	Part-284 transportation service used to transport gas from the TETCO interconnect at Oakford (537 MMBtu) or Dominion South Point (537 MMBtu) to the Leidy Group Meter (537 MMBtu).
Narragansett Electric Co.	Dominion	700086	FTGSS	2,061	311,211	3/31/2022	No	Transportation contract used to transport gas from DTI-GSS #300169 (2,061MMBtu) to the TETCO interconnect at Chambersburg, PA (2,061 MMBtu).
Narragansett Electric Co.	Dominion	700087	FTGSS	5,324	803,924	3/31/2021	No	Transportation contract used to transport gas from DTI-GSS #300170 (5,324MMBtu) to Ellisburg, PA (5,324 MMBtu).
Narragansett Electric Co.	Iroquois	50001	RTS-1	1,012	369,380	11/1/2022	No	Transportation contract used to transport gas from Waddington (1,012 MMBtu) to the IGTS interconnect with TGP at Wright, NY.
Narragansett Electric Co.	Millennium	210165	FT-1	9,000	3,285,000	3/31/2034	No	Transportation service used to transport gas from Corning, NY to the interconnect with Algonquin Gas Transmission at Ramapo, NY (9,000 MMBtu).
Narragansett Electric Co.	PNGTS	210203	FT	10,757	3,926,305	10/31/2040	No	Transportation service used to transport gas from East Hereford to the interconnect with Tennessee Gas Pipeline at Dracut (10,757 MMBtu).
Narragansett Electric Co.	Tennessee	10807	FT-A	10,836	3,955,140	3/31/2022	No	Transportation service used to transport gas from Ellisburg (6,581 MMBtu) and Nothern Storage (4,255 MMBtu) to National Grid city gates at Pawtucket, RI (10,836 MMBtu).
Narragansett Electric Co.	Tennessee	39173	FT-A	1,067	389,455	10/31/2024	No	Transportation service (365-day) used to transport gas from Niagara River (1,067 MMBtu) to National Grid city gates at Pawtucket, RI (1,067 MMBtu).
Narragansett Electric Co.	Tennessee	1597	FT-A	29,335	10,707,275	10/31/2024	No	Transportation service used to transport gas from Zn1 800 Leg (6,160 MMBtu), Zn1 500 Leg (13,091 MMBtu), Zn0 100 Leg (9,522 MMBtu), and Zn1 100 Leg (562 MMBtu) to National Grid city gates at Pawtucket, RI (14,335 MMBtu), Cranston (10,000 MMBtu), and Smithfield (5,000 MMBtu).
Narragansett Electric Co.	Tennessee	62930	FT-A	15,000	5,475,000	8/31/2022	No	Transportstion service used to transport gas from the interconnect at Dracut (15,000 MMBtu) to National Grid city gate - Cranston (9,000) and National Grid city gate - Pawtucket, RI (6,000 MMBtu).
Narragansett Electric Co.	Tennessee	64025	FT-A	5,220	1,905,300	10/31/2027	No	TGP ConneXion - Transportation service used to transport gas from Tx Zone 0 (5,220 MMBtu) to National Grid city gates at Lincoln, RI (2,610 MMBtu) and Smithfield, RI (2,610). If volumes transported to points other than primary points as listed on the contract, maximum commodity rate per TGP's tariff apply.
Narragansett Electric Co.	Tennessee	64026	FT-A	6,380	2,328,700	10/31/2027	No	TGP ConneXion - Transportation service used to transport gas from Tx Zone 0 (6,380 MMBtu) to National Grid city gates at Lincoln, RI (3,190 MMBtu) and Smithfield, RI (3,190). If volumes transported to points other than primary points as listed on the contract, maximum commodity rate per TGP's tariff apply.
Narragansett Electric Co.	Tennessee	95345	FT-A	1,000	365,000	10/31/2022	No	Transportation service used to transport gas from interconnect at Wright, NY (1,000 MMBtu) to National Grid city gates at Lincoln (1,000 MMBtu).
Narragansett Electric Co.	Tennessee	330580	FT-A	24,000	8,760,000	10/31/2038	No	Transportstion service used to transport gas from the interconnects at Dracut (14,000 MMBtu) and at Distrigas (10,000 MMBtu) to National Grid city gate - Lincoln (24,000).
Narragansett Electric Co.	Tennessee	330581	FT-A	15,000	5,475,000	10/31/2038	No	Transportstion service used to transport gas from the interconnect at Distrigas (15,000 MMBtu) to National Grid city gate - Cranston (15,000).

Shipper	Pipeline Company	Contract No.	Rate Schedule	City Gate MDQ	Annual Quantity	Expiration Date	Currently In Evergreen	Notes
Narragansett Electric Co.	Tennessee	2943	LMS-MA	N/A	N/A	12/31/2049	No	Load Management Service - Market Area (LMS-MA) agreement between National Grid Rhode Island and Tennessee Gas Pipeline for balancing between Transporter and Shipper. Utilizing the Storage Swing Option, the Company may treat daily imbalances as automatic storage injections or withdrawals under a current Firm Storage Market Area contract (FSMA). The Company has elected FSMA contract 501 for this purpose.
Narragansett Electric Co.	Texas Eastern	330844	FTS	6,377	2,327,605	10/31/2020	Yes	Part-157 (7C) transportation service used to transport gas from Leidy, PA (6,377 MMBtu) to interconnect with AGT at Lambertville, NJ or Hanover, NJ (6,377 MMBtu).
Narragansett Electric Co.	Texas Eastern	330845	FTS	537	196,005	10/31/2020	Yes	Part-157 (7C) transportation service used to transport gas from Leidy, PA (537 MMBtu) to interconnect with AGT at Lambertville, NJ or Hanover, NJ (537 MMBtu).
Narragansett Electric Co.	Texas Eastern	330867	FTS-5	813	296,745	3/31/2021	Yes	Part-157 (7C) transportation service used to transport gas from Chambersburg, PA (813 MMBtu) to Lambertville, NJ (813 MMBtu).
Narragansett Electric Co.	Texas Eastern	330870	FTS-5	1,000	365,000	3/31/2021	Yes	Part-157 (7C) transportation service used to transport gas from Chambersburg, PA (1,000 MMBtu) to Lambertville, NJ (1,000 MMBtu).
Narragansett Electric Co.	Texas Eastern	330907	FTS-5	248	90,520	3/31/2021	Yes	Part-157 (7C) transportation service used to transport gas from Chambersburg, PA (248 MMBtu) to Lambertville, NJ (248 MMBtu).
Narragansett Electric Co.	Texas Eastern	331722	FTS-7	538	196,370	3/31/2021	Yes	Part- 157 (7C) transportation service used to transport gas from Oakford, PA (538 MMBtu) to either interconnects at Lambertville or Hanover, NJ (538 MMBtu).
Narragansett Electric Co.	Texas Eastern	331801	FTS-8	79	28,835	3/31/2021	Yes	Part-157 (7C) transportation service used to transport gas from Leidy, PA (38 MMBtu) to either interconnects at Lambertville or Hanover, NJ. In addition, Oakford, PA (41 MMBtu) to either interconnects at Lamberville or Hanover, NJ.
Narragansett Electric Co.	Texas Eastern	331802	FTS-8	187	68,255	3/31/2021	Yes	Part-157 (7C) transportation service used to transport gas from Leidy, PA (89 MMBtu) to either interconnects at Lambertville or Hanover, NJ. In addition, Oakford, PA (98 MMBtu) to either interconnects at Lamberville or Hanover, NJ.
Narragansett Electric Co.	Texas Eastern	331819	FTS-8	4,745	1,731,925	3/31/2021	Yes	Part- 157 (7C) transportation service used to transport gas from Oakford, PA (4,745 MMBtu) to either interconnects at Lambertville or Hanover, NJ (4,745 MMBtu).
Narragansett Electric Co.	Texas Eastern	800156	SCT	2,099	766,135	10/31/2020	Yes	Part-284 transportation contract used to transport gas from the access areas at STX (585 MMBtu oper. entitle.), ETX (392 MMBtu oper. entitle.), WLA (900 MMBtu oper. entitle.), and ELA (1,504 MMBtu oper. entitle.) to the TETCO interconnect with AGT at Lambertville, NJ (2,099 MMBtu).
Narragansett Electric Co.	Texas Eastern	800303	CDS	45,934	16,765,910	10/31/2020	Yes	Part-284 transportation contract used to transport gas from the access areas at STX (14,193 MMBtu oper. entitle.), ETX (9,523 MMBtu oper. entitle.), WLA (21,846 MMBtu oper. entitle.), and ELA (31,460 MMBtu oper. entitle.) to the TETCO interconnect with AGT at Lambertville, NJ (45,934 MMBtu) or Hanover, NJ (18,656 MMBtu) or Zone M3 Storage Point (6,665 MMBtu).
Narragansett Electric Co.	Texas Eastern	800440	CDS	944	344,560	10/31/2020	Yes	Part-284 transportation contract used to transport gas from TETCO FSS-1 #400515 to the TETCO interconnects at Lambertville, NJ (405 MMBtu) and Hanover, NJ (539 MMBtu).
Narragansett Electric Co.	TransCanada	42386	FT	1,012	369,380	10/31/2024	No	Transportation service used to transport gas from the Union Gas interconnect at Parkway to the interconnect with Iroquois Gas Transmission at Waddington (1,012 MMBtu).
Narragansett Electric Co.	TransCanada	58577	FT	10,757	3,926,305	10/31/2040	No	Transportation service used to transport gas from the Union Gas interconnect at Parkway to the interconnect with Portland Natural Gas Transmission System at East Hereforf (10,757 MMBtu).
Narragansett Electric Co.	Transco	9081767	FT	1,240	452,600	3/31/2020	Yes	Part-284 transportation service used to transport gas from Transco Leidy (1,240 MMBtu) to the Algonquin interconnect at Centerville, NJ (1,240 MMBtu).
Narragansett Electric Co.	Union Gas	M12164	M12	1,025	374,125	10/31/2021	No	Transportation service used to transport gas from Dawn, Ontario to the interconnect with TransCanada Pipeline at Parkway (1,025 MMBtu).
Narragansett Electric Co.	Union Gas	M12274	M12	10,757	3,926,305	10/31/2040	No	Transportation service used to transport gas from Dawn, Ontario to the interconnect with TransCanada Pipeline at Parkway (10,757 MMBtu).

NATIONAL GRID - RHODE ISLAND ASSETS
Underground Storage Contracts

Shipper	Pipeline Company	Contract No.	Rate Schedule	MDWQ	Annual Quantity	Expiration Date	Currently In Evergreen	Notes
Narragansett Electric	Columbia	9630	FSS	2,545	203,957	4/1/2040	No	Part-284 storage service that provides storage capacity with an injection rate of 2,545 MMBtu/day.
Narragansett Electric	Dominion	300168	GSS	1,401	154,050	3/31/2022	No	Part-284 storage service that provides storage capacity with an injection rate of 856 MMBtu/day.
Narragansett Electric	Dominion	300169	GSS	2,061	206,100	3/31/2022	No	Part-284 storage service that provides storage capacity with an injection rate of 1,145 MMBtu/day.
Narragansett Electric	Dominion	300170	GSS	5,324	490,340	3/31/2022	No	Part-284 storage service that provides storage capacity with an injection rate of 2,724 MMBtu/day.
Narragansett Electric	Dominion	300171	GSS	2,617	188,814	3/31/2022	No	Part-284 storage service that provides storage capacity with an injection rate of 1,049 MMBtu/day.
Narragansett Electric	Dominion	600045	GSS-TE	14,337	1,376,324	3/31/2022	No	Part-157 (7C) storage service that provides storage capacity with an injection rate of 7,647 MMBtu/day.
Narragansett Electric	Tennessee	501	FSMA	10,920	605,343	10/31/2020	No	Storage service that provides storage capacity at an injection rate of 4,036 MMBtu/day.
Narragansett Electric	Tennessee	62918	FSMA	10,249	210,000	10/31/2020	No	Storage service that provides storage capacity at an injection rate of 1,400 MMBtu/day.
Narragansett Electric	Texas Eastern	400185	SS-1	665	51,990	4/30/2021	Yes	Part-284 storage service that provides storage capacity with an injection rate of 267 MMBtu/day. [from Oakford and Leidy storage fields to interconnect at Lambertville, NJ (349 MMBtu) and interconnect at Hanover, NJ (506 MMBtu).]
Narragansett Electric	Texas Eastern	400221	SS-1	14,137	1,188,033	4/30/2021	Yes	Part-284 storage service that provides storage capacity with an injection rate of 6,107 MMBtu/day. [from Oakford and Leidy storage fields to interconnect at Lambertville, NJ (8,017 MMBtu) and interconnect at Hanover, NJ (11,515 MMBtu).]
Narragansett Electric	Texas Eastern	400515	FSS-1	944	56,640	4/30/2021	Yes	Part-284 storage service that provides storage capacity with an injection rate of 291 MMBtu/day.

The Narragansett Electric Company -Take Station Contract Quantities (MMBtu)

* = Peak MDQ
^ = Not incremental city gate capacity

ALGONQUIN	9001	90106	90107 *	933005	93001ESC *	93011E *	93401S	96004SC	9B105 *	9S100S *	9W009E *	510801	510985 ^	Total
1/24th or 6% Hourly:	1/24th	1/24th	6%	1/24th	6%	6%	1/24th	1/24th	1/24th	1/24th	6%	1/24th	1/24th	
Contract MDTQ:	11,063	19,465	26,129	2,061	2,384	56,035	335	1,695	8,539	187	6,812	18,000	96,000	152,705
Dey St. (#00004)	11,063	9,223	19,514	---	---	25,137	---	---	4,258	---	6,234	---	---	75,429
Westerly (#00008)	---	474	---	248	---	1,221	---	---	79	---	273	500	---	2,795
Wampanoag Trail [E. Prov] (#00010)	---	4,092	6,615	---	---	*18,837*	---	---	---	---	---	---	---	29,544
Portsmouth (#00013)	---	5,078	---	---	---	6,504	---	---	4,202	---	305	6,000	---	22,089
Tiverton (#00033)	---	598	---	---	---	163	---	---	---	---	---	500	---	1,261
Burrillville (#00044)	---	---	---	---	---	---	---	---	---	---	---	---	---	0
Barrington (#00064)	---	---	---	---	---	---	---	---	---	---	---	---	---	0
Bristol/Warren (#00012)	---	---	---	813	2,384	4,173	335	1,695	---	187	---	6,000	---	15,587
Cumberland (#00083)	---	---	---	1,000	---	---	---	---	---	---	---	---	---	1,000
Crary St. (#00842)	---	---	---	---	---	---	---	---	---	---	---	---	96,000	96,000
Montville (#00059)[Yankee Gas]	---	---	---	---	---	---	---	---	---	---	---	5,000	---	5,000
													Take Station Total:	248,705

ALGONQUIN	9001	90106	90107	933005	93001ESC	93011E	93401S	96004SC	9B105	9S100S	9W009E	510801	510985	Total
1/24th or 6% Hourly:	1/24th	1/24th	6%	1/24th	6%	6%	1/24th	1/24th	1/24th	1/24th	6%	1/24th	1/24th	
Contract MDTQ:	461	811	1,568	86	143	3,362	14	71	356	8	409	750	4,000	8,038
Dey St. (#00004)	461	384	1,171	---	---	1,508	---	---	177	---	374	---	---	4,076
Westerly (#00008)	---	20	---	10	---	73	---	---	3	---	16	21	---	144
Wampanoag Trail [E. Prov] (#00010)	---	171	397	---	---	1,130	---	---	---	---	---	---	---	1,698
Portsmouth (#00013)	---	212	---	---	---	390	---	---	175	---	18	250	---	1,045
Tiverton (#00033)	---	25	---	---	---	10	---	---	---	---	---	21	---	56
Burrillville (#00044)	---	---	---	---	---	---	---	---	---	---	---	---	---	0
Barrington (#00064)	---	---	---	---	---	---	---	---	---	---	---	---	---	0
Bristol/Warren (#00012)	---	---	---	34	143	250	14	71	---	8	---	250	---	770
Cumberland (#00083)	---	---	---	42	---	---	---	---	---	---	---	---	---	42
Crary St. (#00842)	---	---	---	---	---	---	---	---	---	---	---	---	4,000	4,000
Montville (#00059)[Yankee Gas]	---	---	---	---	---	---	---	---	---	---	---	208	---	208
													Take Station Total:	12,038

TENNESSEE	10807	95345	39173	62930	1597	64025	64026	330580	330581	Total
All 1/24th:	1/24th	1/24th	1/24th	1/24th	1/24th	1/24th	1/24th	1/24th	1/24th	
Contract MDTQ:	10,836	1,000	1,067	15,000	29,335	5,220	6,380	24,000	15,000	107,838
Cranston (#420750)	---	---	---	9,000	10,000	---	---	---	15,000	34,000
Smithfield (#420910)	---	---	---	---	5,000	2,610	3,190	---	---	10,800
Pawtucket (#420135)	10,836	---	1,067	6,000	14,335	---	---	---	---	32,238
Lincoln (#420758)	---	1,000	---	---	---	2,610	3,190	24,000	---	30,800
									Take Station Total:	107,838

TENNESSEE	10807	95345	39173	62930	1597	64025	64026	330580	330581	Total
All 1/24th:	1/24th	1/24th	1/24th	1/24th	1/24th	1/24th	1/24th	1/24th	1/24th	
Contract MDTQ:	452	42	44	625	1,222	218	266	1,000	625	4,493
Cranston (#420750)	---	---	---	375	417	---	---	---	625	1,417
Smithfield (#420910)	---	---	---	---	208	109	133	---	---	450
Pawtucket (#420135)	452	---	44	250	597	---	---	---	---	1,343
Lincoln (#420758)	---	42	---	---	---	109	133	1,000	---	1,283
									Take Station Total:	4,493

REDACTED

National Grid Rhode Island Gas Cost Recovery Cost of Gas ($000)	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Total
Design Scenario - Sales and Transportation													
FIXED COSTS													
Total Transportation Fixed Costs	$ 5,362.0	$ 5,532.5	$ 5,531.2	$ 5,531.2	$ 5,531.2	$ 5,360.7	$ 5,360.7	$ 5,360.7	$ 5,360.7	$ 5,360.7	$ 5,360.7	$ 5,360.7	$ 65,012.8
Total Storage Delivery Fixed Costs	$ 387.4	$ 387.4	$ 387.4	$ 387.4	$ 387.4	$ 356.6	$ 356.6	$ 356.6	$ 356.6	$ 356.6	$ 356.6	$ 356.6	$ 4,432.9
Total Storage Fixed Costs	$ 399.6	$ 399.6	$ 399.6	$ 399.6	$ 399.6	$ 399.6	$ 399.6	$ 399.6	$ 399.6	$ 399.6	$ 399.6	$ 399.6	$ 4,795.0
Total Liquefaction Fixed Costs	[redacted]												
Total Supplier Fixed Costs	[redacted]												
LESS:													
AMA Credits	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Marketer Capacity Release Credits	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
TOTAL FIXED COSTS	[redacted]												
VARIABLE COSTS													
Commodity													
Commodity for Purchases to City Gate	$ 8,465.3	$ 14,321.3	$ 16,881.3	$ 16,059.4	$ 12,645.9	$ 6,533.5	$ 3,724.5	$ 2,268.7	$ 1,972.6	$ 1,971.3	$ 2,217.1	$ 4,859.0	$ 91,919.9
Commodity for Purchases to Injections	[redacted]												
Total Commodity Costs	[redacted]												
Withdrawal													
Underground Storage Withdrawal Value	$ 358.2	$ 1,808.5	$ 2,379.5	$ 2,189.6	$ 1,823.0	$ 361.0	$ -	$ -	$ -	$ -	$ -	$ -	$ 8,919.7
LNG Storage Withdrawal Value	$ 428.5	$ 282.9	$ 2,066.4	$ 947.5	$ 90.4	$ 73.3	$ 78.0	$ 75.4	$ 78.1	$ 78.3	$ 75.7	$ 78.1	$ 4,352.3
Total Storage Withdrawal Value	$ 786.6	$ 2,091.3	$ 4,445.9	$ 3,137.0	$ 1,913.3	$ 434.3	$ 78.0	$ 75.4	$ 78.1	$ 78.3	$ 75.7	$ 78.1	$ 13,272.0
Transportation													
Variable Costs for Purchases to City Gate	$ 402.0	$ 538.3	$ 573.4	$ 534.5	$ 485.4	$ 315.3	$ 209.5	$ 141.4	$ 121.7	$ 123.6	$ 146.3	$ 253.0	$ 3,844.3
Variable Costs for Storage Withdrawal	$ 14.6	$ 96.2	$ 126.9	$ 116.2	$ 94.9	$ 14.2	$ -	$ -	$ -	$ -	$ -	$ -	$ 463.0
Variable Costs for Storage Injection	[redacted]					$ 217.5	$ 247.5	$ 245.2	$ 136.9	$ 114.0	$ 242.4	$ 113.3	$ 1,415.8
Total Transportation Variable Costs	[redacted]												
Total Storage Variable Costs	$ 3.5	$ 25.1	$ 37.2	$ 33.6	$ 22.9	$ 7.0	$ 17.4	$ 20.3	$ 16.4	$ 18.9	$ 18.4	$ 18.2	$ 239.0
LESS:													
LNG Trucking	[redacted]												
Storage Refill	$ -	$ -	$ -	$ -	$ -	$ 248.4	$ 1,443.1	$ 1,693.7	$ 1,173.7	$ 1,436.5	$ 1,443.5	$ 1,462.2	$ 8,901.2
Liquefaction	[redacted]												
Total Storage and Liquefaction	[redacted]					$ 938.2	$ 2,154.8	$ 2,389.7	$ 1,500.0	$ 1,664.0	$ 2,136.6	$ 1,684.7	$ 12,843.0
TOTAL VARIABLE COSTS	[redacted]												
TOTAL FIXED AND VARIABLE COSTS	[redacted]												$ 201,460.0
TOTAL GAS COSTS	[redacted]												$ 201,460.0

National Grid Rhode Island
Gas Commodity Costs
Design Year
($000)

REDACTED

Commodity Costs	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Grand Total
AIM_M3_Ramap	$ 52.2	$ 202.1	$ 691.9	$ 592.3	$ 138.0	$ 32.8	$ 8.0	$ -	$ -	$ -	$ -	$ 44.7	$ 1,761.9
Citygate_AGT	[redacted]												
Constel SUM	[redacted]												
Constel WIN	[redacted]												
Dawn_EHere	$ 230.3	$ 1,520.6	$ 1,947.7	$ 1,931.1	$ 792.3	$ 49.6	$ -	$ -	$ -	$ -	$ -	$ -	$ 6,471.6
Dawn_Waddy	$ -	$ 47.5	$ 67.9	$ 70.7	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 186.1
Dom_SP	$ 32.7	$ 39.3	$ 41.2	$ 38.5	$ 40.0	$ 35.1	$ 19.4	$ -	$ -	$ -	$ 2.1	$ 21.3	$ 269.7
Dracut	[redacted]												
DracutSwing	$ -	$ 839.3	$ -	$ 387.4	$ 346.5	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,573.2
Everett04216	[redacted]												
EverettSwing	[redacted]												
MPL_East	$ 559.7	$ 651.4	$ 682.6	$ 637.3	$ 629.0	$ 581.7	$ 491.8	$ 110.9	$ -	$ -	$ 64.8	$ 453.0	$ 4,862.1
Niagara	$ 67.2	$ 81.9	$ 86.1	$ 80.2	$ 84.5	$ 74.5	$ -	$ -	$ -	$ -	$ -	$ -	$ 474.4
TCO Appalach	$ 1,822.9	$ 3,036.2	$ 3,171.9	$ 2,965.1	$ 3,062.6	$ 969.7	$ 25.7	$ 108.1	$ 95.5	$ 110.5	$ 68.7	$ 38.5	$ 15,475.4
TCO M3	$ 78.0	$ 275.7	$ 874.6	$ 813.3	$ 169.7	$ 52.0	$ 16.2	$ -	$ -	$ -	$ -	$ 121.3	$ 2,400.8
Tetco M2	$ 2,825.5	$ 3,462.5	$ 3,680.4	$ 3,408.2	$ 3,513.3	$ 2,837.4	$ 2,885.0	$ 2,703.7	$ 2,440.7	$ 2,566.2	$ 2,498.2	$ 2,779.3	$ 35,600.3
Tetco M3	$ 881.1	$ 350.3	$ 939.8	$ 866.2	$ 473.2	$ 797.9	$ 394.5	$ -	$ -	$ -	$ 61.8	$ 1,298.2	$ 6,062.9
TGP Z4	$ 1,830.8	$ 2,910.8	$ 3,262.1	$ 3,018.7	$ 2,615.5	$ 1,342.2	$ 1,302.3	$ 1,014.9	$ 602.8	$ 718.3	$ 942.7	$ 1,602.0	$ 21,163.0
Transco_Leid	$ 75.7	$ 89.4	$ 94.7	$ 88.6	$ 90.5	$ 76.8	$ 74.6	$ 65.8	$ 58.7	$ 58.8	$ 62.2	$ 72.2	$ 907.9
Waddy	$ 9.4	$ 0.2	$ 0.6	$ 0.6	$ 31.3	$ 62.7	$ 62.5	$ 64.6	$ 67.9	$ 67.5	$ 61.1	$ -	$ 428.4
Grand Total	[redacted]												

National Grid Rhode Island
Gas Commodity Costs
Design Year
($000)

REDACTED

Unit Cost	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Weighted Average
AIM_M3_Ramap	$ 2.31	$ 3.12	$ 5.62	$ 5.52	$ 2.80	$ 2.29	$ 2.14	$ -	$ -	$ -	$ -	$ 2.04	$ 4.33
Citygate_AGT	[redacted]												
Constel SUM	[redacted]												
Constel WIN	[redacted]												
Dawn_EHere	$ 2.38	$ 2.75	$ 2.88	$ 2.88	$ 2.83	$ 2.36	$ -	$ -	$ -	$ -	$ -	$ -	$ 2.82
Dawn_Waddy	$ -	$ 2.75	$ 2.88	$ 2.88	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2.84
Dom_SP	$ 2.06	$ 2.32	$ 2.43	$ 2.42	$ 2.36	$ 2.14	$ 2.03	$ -	$ -	$ -	$ 1.91	$ 1.95	$ 2.23
Dracut	[redacted]												
DracutSwing	$ -	$ 6.60	$ -	$ 8.44	$ 5.23	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 6.57
Everett04216	[redacted]												
EverettSwing	[redacted]												
MPL_East	$ 2.06	$ 2.32	$ 2.43	$ 2.42	$ 2.36	$ 2.14	$ 2.03	$ 2.03	$ -	$ -	$ 1.91	$ 1.95	$ 2.21
Niagara	$ 2.08	$ 2.45	$ 2.58	$ 2.57	$ 2.53	$ 2.31	$ -	$ -	$ -	$ -	$ -	$ -	$ 2.42
TCO Appalach	$ 2.20	$ 2.41	$ 2.52	$ 2.52	$ 2.43	$ 2.24	$ 2.18	$ 2.17	$ 2.18	$ 2.15	$ 2.11	$ 2.14	$ 2.41
TCO M3	$ 2.31	$ 3.12	$ 5.62	$ 5.52	$ 2.80	$ 2.29	$ 2.14	$ -	$ -	$ -	$ -	$ 2.04	$ 4.17
Tetco M2	$ 2.03	$ 2.30	$ 2.43	$ 2.42	$ 2.37	$ 2.12	$ 1.99	$ 1.99	$ 2.04	$ 2.00	$ 1.85	$ 1.92	$ 2.13
Tetco M3	$ 2.31	$ 3.12	$ 5.62	$ 5.52	$ 2.80	$ 2.29	$ 2.14	$ -	$ -	$ -	$ 2.00	$ 2.04	$ 2.78
TGP Z4	$ 2.26	$ 2.53	$ 2.64	$ 2.63	$ 2.57	$ 2.29	$ 2.19	$ 2.18	$ 2.23	$ 2.20	$ 2.06	$ 2.10	$ 2.40
Transco_Leid	$ 2.02	$ 2.31	$ 2.45	$ 2.45	$ 2.34	$ 2.05	$ 1.93	$ 1.95	$ 1.97	$ 1.95	$ 1.83	$ 1.87	$ 2.10
Waddy	$ 2.32	$ 2.87	$ 5.07	$ 4.90	$ 2.69	$ 2.07	$ 2.00	$ 2.13	$ 2.17	$ 2.16	$ 2.02	$ -	$ 2.13
Weighted Average	**$ 2.16**	**$ 2.66**	**$ 2.83**	**$ 2.86**	**$ 2.59**	**$ 2.22**	**$ 2.09**	**$ 2.09**	**$ 2.09**	**$ 2.05**	**$ 1.97**	**$ 1.99**	**$ 2.43**

National Grid Rhode Island
Gas Commodity Costs
Design Year
($000)

REDACTED

Commodity to Injections	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Grand Total
AIM_M3_Ramap	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Citygate_AGT	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Constel SUM	[redacted]												
Constel WIN	[redacted]												
Dawn_EHere	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Dawn_Waddy	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Dom_SP	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Dracut	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
DracutSwing	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Everett04216	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
EverettSwing	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
MPL_East	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Niagara	$ -	$ -	$ -	$ -	$ -	$ 24.8	$ -	$ -	$ -	$ -	$ -	$ -	$ 24.8
TCO Appalach	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 108.1	$ 95.5	$ 110.5	$ 68.7	$ 38.5	$ 421.3
TCO M3	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Tetco M2	$ -	$ -	$ -	$ -	$ -	$ 137.7	$ 805.1	$ 969.0	$ 825.3	$ 954.6	$ 826.9	$ 858.3	$ 5,376.9
Tetco M3	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
TGP Z4	$ -	$ -	$ -	$ -	$ -	$ 191.9	$ 713.1	$ 687.8	$ 359.1	$ 450.0	$ 614.2	$ 674.6	$ 3,690.6
Transco_Leid	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Waddy	$ -	$ -	$ -	$ -	$ -	$ 24.5	$ 37.4	$ 34.4	$ 13.1	$ 34.8	$ 34.6	$ -	$ 178.9
Grand Total	[redacted]												

National Grid Rhode Island
Transportation Variable Costs
Design Year
($000)

Transportation Costs	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Grand Total
Dawn to E.Here	$ 1	$ 9	$ 13	$ 10	$ 6	$ 0	$ -	$ -	$ -	$ -	$ -	$ -	$ 39
Dawn to WADDY	$ 0	$ 2	$ 2	$ 2	$ 1	$ 3	$ 3	$ 3	$ 3	$ 3	$ 3	$ -	$ 23
Dominion SP	$ 1	$ 2	$ 1	$ 1	$ 1	$ 0	$ 0	$ -	$ -	$ -	$ 0	$ 0	$ 7
Dracut	$ 2	$ 15	$ 17	$ 18	$ 6	$ 0	$ -	$ -	$ -	$ -	$ -	$ -	$ 59
Everett	$ -	$ 2	$ 9	$ 11	$ 1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 24
LNG													
Millennium/AIM	$ 28	$ 33	$ 39	$ 36	$ 30	$ 28	$ 24	$ 5	$ -	$ -	$ 3	$ 25	$ 250
Niagara	$ 3	$ 3	$ 3	$ 3	$ 3	$ 3	$ -	$ -	$ -	$ -	$ -	$ -	$ 17
Storage Delivery	$ 53	$ 79	$ 89	$ 82	$ 82	$ 52	$ 37	$ 16	$ 10	$ 13	$ 19	$ 38	$ 570
TCO App	$ 14	$ 22	$ 22	$ 20	$ 22	$ 7	$ 0	$ 1	$ 1	$ 1	$ 1	$ 0	$ 111
TCO App/M3/Storage	$ 49	$ 79	$ 85	$ 79	$ 78	$ 25	$ 1	$ -	$ -	$ -	$ -	$ 3	$ 399
TCO M3	$ 1	$ 2	$ 3	$ 3	$ 1	$ 0	$ 0	$ -	$ -	$ -	$ -	$ 1	$ 10
Tetco M2	$ 103	$ 130	$ 138	$ 127	$ 121	$ 94	$ 82	$ 71	$ 64	$ 65	$ 72	$ 79	$ 1,145
TetcoM2/M3	$ 83	$ 92	$ 100	$ 94	$ 88	$ 75	$ 53	$ 48	$ 44	$ 43	$ 49	$ 76	$ 845
Transco Leidy	$ 1	$ 2	$ 3	$ 3	$ 2	$ 1	$ 1	$ 0	$ 0	$ 0	$ 0	$ 0	$ 15
Zone 4	$ 55	$ 90	$ 99	$ 93	$ 82	$ 27	$ 17	$ 8	$ 4	$ 6	$ 8	$ 34	$ 523
Zone 4 CXN	$ 20	$ 38	$ 39	$ 36	$ 32	$ 17	$ 6	$ 5	$ 10	$ 7	$ 6	$ 11	$ 229
Grand Total													

REDACTED

National Grid Rhode Island
Storage Variable Costs
Design Year
($000)

REDACTED

Storage Costs	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Grand Total
C9630_FSS	$ 0.1	$ 0.4	$ 0.9	$ 0.8	$ 0.7	$ 0.1	$ -	$ 0.7	$ 0.7	$ 0.8	$ 0.5	$ 0.3	$ 5.9
D300168_GSS	$ -	$ 0.7	$ 0.7	$ 0.6	$ 0.4	$ 0.3	$ 0.8	$ 0.7	$ 0.7	$ 0.7	$ 0.6	$ 0.6	$ 6.8
D300169_GSS	$ -	$ 0.6	$ 1.0	$ 0.9	$ 0.7	$ 0.3	$ 1.0	$ 1.0	$ 0.9	$ 0.9	$ 0.8	$ 0.8	$ 9.0
D300170_GSS	$ -	$ 2.7	$ 2.3	$ 1.6	$ 1.2	$ 1.0	$ 2.4	$ 2.3	$ 2.2	$ 2.1	$ 1.9	$ 1.9	$ 21.7
D300171_GSS	$ -	$ 0.5	$ 1.0	$ 1.0	$ 0.6	$ 0.4	$ 0.9	$ 0.9	$ 0.9	$ 0.8	$ 0.7	$ 0.7	$ 8.4
D600045GSSTE	$ 3.4	$ 3.6	$ 3.6	$ 3.4	$ 3.6	$ 3.5	$ 3.6	$ 6.2	$ 3.7	$ 5.8	$ 5.3	$ 5.2	$ 51.1
T501_FSMA	$ -	$ 1.0	$ 0.7	$ 1.2	$ 1.5	$ -	$ 1.1	$ 1.1	$ -	$ 0.2	$ 1.1	$ 1.1	$ 8.9
T62918_FSMA	$ -	$ 0.0	$ 0.7	$ 0.4	$ 0.6	$ -	$ 0.4	$ 0.4	$ -	$ 0.3	$ 0.4	$ 0.4	$ 3.6
Te400185_SS1	$ -	$ 0.6	$ 1.0	$ 1.0	$ 0.6	$ 0.1	$ 0.3	$ 0.3	$ 0.3	$ 0.3	$ 0.3	$ 0.3	$ 5.0
Te400221_SS1	$ -	$ 14.8	$ 24.6	$ 21.9	$ 12.6	$ 1.3	$ 6.7	$ 6.5	$ 6.7	$ 6.7	$ 6.5	$ 6.7	$ 114.8
Te400515FSS1	$ -	$ 0.2	$ 0.8	$ 0.7	$ 0.3	$ 0.1	$ 0.3	$ 0.3	$ 0.3	$ 0.3	$ 0.3	$ 0.3	$ 3.9
Grand Total	**$ 3.5**	**$ 25.1**	**$ 37.2**	**$ 33.6**	**$ 22.9**	**$ 7.0**	**$ 17.4**	**$ 20.3**	**$ 16.4**	**$ 18.9**	**$ 18.4**	**$ 18.2**	**$ 239.0**

National Grid Rhode Island
Storage Variable Costs
Design Year
($000)

REDACTED

Withdrawal Value

	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Grand Total
C9630_FSS	$ 16.7	$ 55.5	$ 122.1	$ 116.4	$ 100.0	$ 7.7	$ -	$ -	$ -	$ -	$ -	$ -	$ 418.3
D300168_GSS	$ -	$ 97.4	$ 101.4	$ 86.4	$ 63.8	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 349.0
D300169_GSS	$ -	$ 75.5	$ 128.0	$ 112.9	$ 90.2	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 406.7
D300170_GSS	$ -	$ 389.4	$ 327.9	$ 231.4	$ 173.5	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,122.1
D300171_GSS	$ -	$ 58.2	$ 121.1	$ 122.0	$ 77.6	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 378.8
D600045GSSTE	$ 341.5	$ 365.1	$ 365.1	$ 341.5	$ 365.1	$ 353.3	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,131.6
LNG_Exeter	$ 78.7	$ 221.6	$ 463.6	$ 129.4	$ 29.6	$ 23.2	$ 24.9	$ 24.1	$ 24.9	$ 24.9	$ 24.1	$ 24.8	$ 1,093.9
LNG_Prov	$ 349.7	$ 61.2	$ 1,602.8	$ 818.1	$ 60.8	$ 50.1	$ 53.1	$ 51.2	$ 53.1	$ 53.3	$ 51.6	$ 53.3	$ 3,258.4
T501_FSMA	$ -	$ 248.2	$ 167.1	$ 287.0	$ 362.6	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,064.8
T62918_FSMA	$ -	$ 8.6	$ 173.8	$ 104.9	$ 147.1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 434.4
Te400185_SS1	$ -	$ 20.9	$ 31.7	$ 32.9	$ 18.7	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 104.2
Te400221_SS1	$ -	$ 479.3	$ 797.8	$ 712.6	$ 408.7	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,398.3
Te400515FSS1	$ -	$ 10.5	$ 43.5	$ 41.7	$ 15.8	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 111.5
Grand Total	**$ 786.6**	**$ 2,091.3**	**$ 4,445.9**	**$ 3,137.0**	**$ 1,913.3**	**$ 434.3**	**$ 78.0**	**$ 75.4**	**$ 78.1**	**$ 78.3**	**$ 75.7**	**$ 78.1**	**$ 13,272.0**

Injection Value

	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Grand Total
C9630_FSS	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 109.7	$ 96.9	$ 112.1	$ 69.7	$ 39.1	$ 427.6
D300168_GSS	$ -	$ -	$ -	$ -	$ -	$ 25.7	$ 59.1	$ 55.8	$ 55.7	$ 52.1	$ 44.7	$ 44.5	$ 337.6
D300169_GSS	$ -	$ -	$ -	$ -	$ -	$ 24.5	$ 73.3	$ 69.1	$ 69.2	$ 64.4	$ 54.6	$ 55.3	$ 410.4
D300170_GSS	$ -	$ -	$ -	$ -	$ -	$ 82.0	$ 188.2	$ 177.7	$ 177.2	$ 165.7	$ 142.1	$ 141.8	$ 1,074.7
D300171_GSS	$ -	$ -	$ -	$ -	$ -	$ 29.6	$ 67.1	$ 63.3	$ 63.4	$ 59.0	$ 50.0	$ 50.6	$ 383.2
D600045GSSTE	$ -	$ -	$ -	$ -	$ -	$ -	$ 255.4	$ 445.5	$ 274.5	$ 422.4	$ 356.9	$ 360.3	$ 2,114.9
LNG_Exeter	[redacted]												
LNG_Prov	[redacted]												
T501_FSMA	$ -	$ -	$ -	$ -	$ -	$ -	$ 276.3	$ 266.9	$ -	$ 49.1	$ 252.2	$ 265.9	$ 1,110.5
T62918_FSMA	$ -	$ -	$ -	$ -	$ -	$ -	$ 95.9	$ 92.6	$ -	$ 81.3	$ 87.5	$ 92.2	$ 449.4
Te400185_SS1	$ -	$ -	$ -	$ -	$ -	$ 3.6	$ 17.1	$ 16.5	$ 17.5	$ 17.2	$ 15.4	$ 16.5	$ 104.0
Te400221_SS1	$ -	$ -	$ -	$ -	$ -	$ 79.2	$ 392.0	$ 378.5	$ 400.3	$ 394.3	$ 353.4	$ 378.0	$ 2,375.6
Te400515FSS1	$ -	$ -	$ -	$ -	$ -	$ 3.8	$ 18.7	$ 18.0	$ 19.1	$ 18.8	$ 16.8	$ 18.0	$ 113.3
Grand Total	[redacted]												

National Grid Rhode Island
Transportation Fixed Costs
Design Year
($000)

REDACTED

Transportation Costs	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Grand Total
Dawn to E.Here	$ 1,158.8	$ 1,158.8	$ 1,158.8	$ 1,158.8	$ 1,158.8	$ 1,158.8	$ 1,158.8	$ 1,158.8	$ 1,158.8	$ 1,158.8	$ 1,158.8	$ 1,158.8	$ 13,905.7
Dawn to WADDY	$ 24.0	$ 24.0	$ 24.0	$ 24.0	$ 24.0	$ 24.0	$ 24.0	$ 24.0	$ 24.0	$ 24.0	$ 24.0	$ 24.0	$ 287.5
Dominion SP	$ 6.5	$ 6.5	$ 6.5	$ 6.5	$ 6.5	$ 6.5	$ 6.5	$ 6.5	$ 6.5	$ 6.5	$ 6.5	$ 6.5	$ 78.3
Dracut	$ 92.9	$ 92.9	$ 92.9	$ 92.9	$ 92.9	$ 92.9	$ 92.9	$ 92.9	$ 92.9	$ 92.9	$ 92.9	$ 92.9	$ 1,114.3
Everett	$ 116.1	$ 116.1	$ 116.1	$ 116.1	$ 116.1	$ 116.1	$ 116.1	$ 116.1	$ 116.1	$ 116.1	$ 116.1	$ 116.1	$ 1,392.9
LNG													
Manchester Lateral	$ 262.8	$ 262.8	$ 262.8	$ 262.8	$ 262.8	$ 262.8	$ 262.8	$ 262.8	$ 262.8	$ 262.8	$ 262.8	$ 262.8	$ 3,153.6
Millennium/AIM	$ 924.2	$ 924.2	$ 924.2	$ 924.2	$ 924.2	$ 924.2	$ 924.2	$ 924.2	$ 924.2	$ 924.2	$ 924.2	$ 924.2	$ 11,090.1
Niagara	$ 7.5	$ 7.5	$ 7.5	$ 7.5	$ 7.5	$ 7.5	$ 7.5	$ 7.5	$ 7.5	$ 7.5	$ 7.5	$ 7.5	$ 89.7
Proposed CNG/LNG													
Storage Delivery	$ 387.4	$ 387.4	$ 387.4	$ 387.4	$ 387.4	$ 356.6	$ 356.6	$ 356.6	$ 356.6	$ 356.6	$ 356.6	$ 356.6	$ 4,432.9
TCO App	$ 269.6	$ 269.6	$ 269.6	$ 269.6	$ 269.6	$ 269.6	$ 269.6	$ 269.6	$ 269.6	$ 269.6	$ 269.6	$ 269.6	$ 3,234.7
TCO App/M3/Storage	$ 374.9	$ 374.9	$ 374.9	$ 374.9	$ 374.9	$ 374.9	$ 374.9	$ 374.9	$ 374.9	$ 374.9	$ 374.9	$ 374.9	$ 4,499.2
TCO M3	$ 50.2	$ 50.2	$ 50.2	$ 50.2	$ 50.2	$ 50.2	$ 50.2	$ 50.2	$ 50.2	$ 50.2	$ 50.2	$ 50.2	$ 602.9
Tetco M2	$ 769.4	$ 769.4	$ 769.4	$ 769.4	$ 769.4	$ 769.4	$ 769.4	$ 769.4	$ 769.4	$ 769.4	$ 769.4	$ 769.4	$ 9,232.5
TetcoM2/M3	$ 368.3	$ 368.3	$ 368.3	$ 368.3	$ 368.3	$ 368.3	$ 368.3	$ 368.3	$ 368.3	$ 368.3	$ 368.3	$ 368.3	$ 4,420.1
Transco Leidy	$ 9.7	$ 9.7	$ 9.7	$ 9.7	$ 9.7	$ 9.7	$ 9.7	$ 9.7	$ 9.7	$ 9.7	$ 9.7	$ 9.7	$ 116.2
Yankee Interconnect													
Zone 4	$ 616.3	$ 616.3	$ 616.3	$ 616.3	$ 616.3	$ 616.3	$ 616.3	$ 616.3	$ 616.3	$ 616.3	$ 616.3	$ 616.3	$ 7,395.7
Zone 4 CXN	$ 263.9	$ 263.9	$ 263.9	$ 263.9	$ 263.9	$ 263.9	$ 263.9	$ 263.9	$ 263.9	$ 263.9	$ 263.9	$ 263.9	$ 3,167.3
Grand Total													

National Grid Rhode Island
Storage Fixed Costs
Design Year
($000)

REDACTED

Storage Costs	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Grand Total
C9630_FSS	$ 9.7	$ 9.7	$ 9.7	$ 9.7	$ 9.7	$ 9.7	$ 9.7	$ 9.7	$ 9.7	$ 9.7	$ 9.7	$ 9.7	$ 116.3
D300168_GSS	$ 4.8	$ 4.8	$ 4.8	$ 4.8	$ 4.8	$ 4.8	$ 4.8	$ 4.8	$ 4.8	$ 4.8	$ 4.8	$ 4.8	$ 58.2
D300169_GSS	$ 6.8	$ 6.8	$ 6.8	$ 6.8	$ 6.8	$ 6.8	$ 6.8	$ 6.8	$ 6.8	$ 6.8	$ 6.8	$ 6.8	$ 82.0
D300170_GSS	$ 17.1	$ 17.1	$ 17.1	$ 17.1	$ 17.1	$ 17.1	$ 17.1	$ 17.1	$ 17.1	$ 17.1	$ 17.1	$ 17.1	$ 204.6
D300171_GSS	$ 7.6	$ 7.6	$ 7.6	$ 7.6	$ 7.6	$ 7.6	$ 7.6	$ 7.6	$ 7.6	$ 7.6	$ 7.6	$ 7.6	$ 91.5
D600045GSSTE	$ 46.7	$ 46.7	$ 46.7	$ 46.7	$ 46.7	$ 46.7	$ 46.7	$ 46.7	$ 46.7	$ 46.7	$ 46.7	$ 46.7	$ 560.7
LNG_Prov	$ 163.7	$ 163.7	$ 163.7	$ 163.7	$ 163.7	$ 163.7	$ 163.7	$ 163.7	$ 163.7	$ 163.7	$ 163.7	$ 163.7	$ 1,964.9
T501_FSMA	$ 28.1	$ 28.1	$ 28.1	$ 28.1	$ 28.1	$ 28.1	$ 28.1	$ 28.1	$ 28.1	$ 28.1	$ 28.1	$ 28.1	$ 337.0
T62918_FSMA	$ 19.2	$ 19.2	$ 19.2	$ 19.2	$ 19.2	$ 19.2	$ 19.2	$ 19.2	$ 19.2	$ 19.2	$ 19.2	$ 19.2	$ 230.3
Te400185_SS1	$ 4.2	$ 4.2	$ 4.2	$ 4.2	$ 4.2	$ 4.2	$ 4.2	$ 4.2	$ 4.2	$ 4.2	$ 4.2	$ 4.2	$ 50.4
Te400221_SS1	$ 90.1	$ 90.1	$ 90.1	$ 90.1	$ 90.1	$ 90.1	$ 90.1	$ 90.1	$ 90.1	$ 90.1	$ 90.1	$ 90.1	$ 1,081.6
Te400515FSS1	$ 1.5	$ 1.5	$ 1.5	$ 1.5	$ 1.5	$ 1.5	$ 1.5	$ 1.5	$ 1.5	$ 1.5	$ 1.5	$ 1.5	$ 17.5
Grand Total	**$ 399.6**	**$ 399.6**	**$ 399.6**	**$ 399.6**	**$ 399.6**	**$ 399.6**	**$ 399.6**	**$ 399.6**	**$ 399.6**	**$ 399.6**	**$ 399.6**	**$ 399.6**	**$ 4,795.0**

National Grid Rhode Island
Supply Fixed Costs
Design Year
($000)

Supply Costs	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Grand Total
Everett Supply Deal	[redacted]												
Proposed Citygate Peaking	[redacted]												
Proposed Everett Supply Deal	[redacted]												
Proposed Summer Trucking	[redacted]												
Proposed Supply Deal	[redacted]												
Proposed Winter Trucking	[redacted]												
Grand Total	[redacted]												

REDACTED

PRELIMINARY **PRELIMINARY**

12 Month Forward Pricing

Volumes in Dth

National Grid
Summary of Transportation Capacity Release
Pipeline Path Availability and Pricing
November 2019 - October 2020

Path to City Gate	As of 6/1/19 Existing Releases	Total Available	Remaining Available	Cost per Dth	New Credit or Surcharge	Old Credit or Surcharge
Company Weighted Average				**$0.8278**		
Tennessee - Zone 1	9,499	9,500	1	$1.0107	($0.1829)	N/A
Tennessee - Dracut	475	1,000	525	$1.9356	($1.1078)	N/A
Algonquin at Lambertville, NJ	2,588	2,714	126	$0.5603	$0.2675	N/A
Texas Eastern - South Texas	4,044	4,044	0	$1.1307	($0.3029)	N/A
Texas Eastern - West Louisiana	8,499	8,500	1	$0.9319	($0.1041)	N/A
Texas Eastern - East Louisiana	6,499	6,500	1	$0.8022	$0.0256	N/A
Columbia - Maumee & Pennsburg*	3,000	3,000	0	$0.3206	$0.5072	N/A
Totals:	34,604	35,258	654			

* Note: Marketers selecting this path are assigned 5/6 of the amount selected at the Maumee, OH receipt point into Columbia and 1/6 at the Pennsburg, PA Receipt into Columbia.

REDACTED

TEXAS EASTERN SOUTH TEXAS SUPPLY PATH COST MATRIX
CITY GATE DELIVERED MDQ = 4,044

UNIT PRICING

		NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	TOTAL
FIXED														
TETCO STX SUPPLY ZONE DEMAND	$/Dth	$6.8050	$6.8050	$6.8050	$6.8050	$6.8050	$6.8050	$6.8050	$6.8050	$6.8050	$6.8050	$6.8050	$6.8050	
TECCO WLA SUPPLY ZONE DEMAND	$/Dth	$2.8260	$2.8260	$2.8260	$2.8260	$2.8260	$2.8260	$2.8260	$2.8260	$2.8260	$2.8260	$2.8260	$2.8260	
TETCO ELA SUPPLY ZONE DEMAND	$/Dth	$2.3750	$2.3750	$2.3750	$2.3750	$2.3750	$2.3750	$2.3750	$2.3750	$2.3750	$2.3750	$2.3750	$2.3750	
TETCO M1 TO M3 DEMAND	$/Dth	$10.7930	$10.7930	$10.7930	$10.7930	$10.7930	$10.7930	$10.7930	$10.7930	$10.7930	$10.7930	$10.7930	$10.7930	
ALGONQUIN AFT-E DEMAND	$/Dth	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	
VARIABLE														
TETCO USAGE STX TO M3	$/Dth	$0.1116	$0.1116	$0.1116	$0.1116	$0.1116	$0.1116	$0.1116	$0.1116	$0.1116	$0.1116	$0.1116	$0.1116	
ALGONQUIN USAGE	$/Dth	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	
06/10/2019 NYMEX	$/Dth	$2.4670	$2.6670	$2.7830	$2.7580	$2.6830	$2.4880	$2.4670	$2.5020	$2.5400	$2.5510	$2.5370	$2.5590	
SUPPLY AREA BASIS	$/Dth	($0.1150)	($0.1200)	($0.1200)	($0.0950)	($0.0950)	($0.1150)	($0.1150)	($0.1200)	($0.1250)	($0.1250)	($0.1200)	($0.1200)	
NET COST AFTER BASIS	$/Dth	$2.3520	$2.5470	$2.6630	$2.6630	$2.5880	$2.3730	$2.3520	$2.3820	$2.4150	$2.4260	$2.4170	$2.4390	

BILLING UNITS

FIXED														
TETCO STX SUPPLY ZONE DEMAND	$/Dth	4,065	4,070	4,070	4,070	4,070	4,065	4,065	4,065	4,065	4,065	4,065	4,065	
TECCO WLA SUPPLY ZONE DEMAND	$/Dth	4,065	4,070	4,070	4,070	4,070	4,065	4,065	4,065	4,065	4,065	4,065	4,065	
TETCO ELA SUPPLY ZONE DEMAND	$/Dth	4,065	4,070	4,070	4,070	4,070	4,065	4,065	4,065	4,065	4,065	4,065	4,065	
TETCO M1 TO M3 DEMAND	$/Dth	4,065	4,070	4,070	4,070	4,070	4,065	4,065	4,065	4,065	4,065	4,065	4,065	
ALGONQUIN AFT-E DEMAND	$/Dth	4,044	4,044	4,044	4,044	4,044	4,044	4,044	4,044	4,044	4,044	4,044	4,044	48,528
VARIABLE														
PURCHASE VOLUMES	Dth	125,908	131,470	131,470	118,747	131,470	125,908	130,105	125,908	130,105	130,105	125,908	130,105	1,537,208
TETCO USAGE STX TO M3	Dth	121,942	126,171	126,171	113,961	126,171	121,942	126,007	121,942	126,007	126,007	121,942	126,007	1,484,270
ALGONQUIN USAGE	Dth	121,320	125,364	125,364	113,232	125,364	121,320	125,364	121,320	125,364	125,364	121,320	125,364	1,476,060
DELIVERED VOLUMES	Dth	121,320	125,364	125,364	113,232	125,364	121,320	125,364	121,320	125,364	125,364	121,320	125,364	1,476,060

FUEL USE %

TETCO STX TO M3 FUEL	%	3.150%	4.030%	4.030%	4.030%	4.030%	3.150%	3.150%	3.150%	3.150%	3.150%	3.150%	3.150%
ALGONQUIN AFT-E FUEL	%	0.510%	0.640%	0.640%	0.640%	0.640%	0.510%	0.510%	0.510%	0.510%	0.510%	0.510%	0.510%

TRANSPORTATION COST

FIXED														
TETCO STX SUPPLY ZONE DEMAND	$	$27,660	$27,697	$27,697	$27,697	$27,697	$27,660	$27,660	$27,660	$27,660	$27,660	$27,660	$27,660	$332,071
TECCO WLA SUPPLY ZONE DEMAND	$	$11,487	$11,502	$11,502	$11,502	$11,502	$11,487	$11,487	$11,487	$11,487	$11,487	$11,487	$11,487	$137,903
TETCO ELA SUPPLY ZONE DEMAND	$	$9,654	$9,666	$9,666	$9,666	$9,666	$9,654	$9,654	$9,654	$9,654	$9,654	$9,654	$9,654	$115,895
TETCO M1 TO M3 DEMAND	$	$43,871	$43,928	$43,928	$43,928	$43,928	$43,871	$43,871	$43,871	$43,871	$43,871	$43,871	$43,871	$526,677
ALGONQUIN AFT-E DEMAND	$	$26,583	$26,583	$26,583	$26,583	$26,583	$26,583	$26,583	$26,583	$26,583	$26,583	$26,583	$26,583	$318,994
VARIABLE														
TETCO USAGE STX TO M3	$	$13,609	$14,081	$14,081	$12,718	$14,081	$13,609	$14,062	$13,609	$14,062	$14,062	$13,609	$14,062	$165,645
ALGONQUIN USAGE	$	$7,461	$7,710	$7,710	$6,964	$7,710	$7,461	$7,710	$7,461	$7,710	$7,710	$7,461	$7,710	$90,778
PURCHASE COST	$	$296,136	$334,853	$350,104	$316,223	$340,244	$298,780	$306,007	$299,913	$314,203	$315,635	$304,320	$317,326	$3,793,742
TOTAL FIXED	$	$119,255	$119,376	$119,376	$119,376	$119,376	$119,255	$119,255	$119,255	$119,255	$119,255	$119,255	$119,255	$1,431,540
TOTAL VARIABLE	$	$317,206	$356,644	$371,895	$335,905	$362,034	$319,850	$327,779	$320,983	$335,976	$337,407	$325,390	$339,098	$4,050,165
DELIVERED COST AT NYMEX	$	$299,296	$334,346	$348,888	$312,294	$336,352	$301,844	$309,273	$303,543	$318,425	$319,804	$307,789	$320,806	$3,812,659
NET NON-GAS VARIABLE COST	$	$17,909	$22,298	$23,006	$23,611	$25,683	$18,005	$18,506	$17,440	$17,551	$17,603	$17,601	$18,292	$237,506
AVERAGE NON-GAS VARIABLE COST	$/Dth	**$0.1476**	**$0.1779**	**$0.1835**	**$0.2085**	**$0.2049**	**$0.1484**	**$0.1476**	**$0.1438**	**$0.1400**	**$0.1404**	**$0.1451**	**$0.1459**	**$0.1609**
AVERAGE FIXED COST	$/Dth													$29.4993
AVERAGE COST AT 100% LOAD FACTOR	$/Dth													**$0.9698**
TOTAL PATH COST	$/Dth													**$1.1307**

REDACTED

TEXAS EASTERN WEST LOUISIANA SUPPLY PATH TO ALGONQUIN CITY GATE
CITY GATE DELIVERED MDQ = 8,500

UNIT PRICING

		NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	TOTAL
FIXED														
TETCO WLA SUPPLY ZONE DEMAND	$/Dth	$2.8260	$2.8260	$2.8260	$2.8260	$2.8260	$2.8260	$2.8260	$2.8260	$2.8260	$2.8260	$2.8260	$2.8260	
TETCO ELA SUPPLY ZONE DEMAND	$/Dth	$2.3750	$2.3750	$2.3750	$2.3750	$2.3750	$2.3750	$2.3750	$2.3750	$2.3750	$2.3750	$2.3750	$2.3750	
TETCO M1 TO M3 DEMAND	$/Dth	$10.7930	$10.7930	$10.7930	$10.7930	$10.7930	$10.7930	$10.7930	$10.7930	$10.7930	$10.7930	$10.7930	$10.7930	
ALGONQUIN AFT-E DEMAND	$/Dth	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	
VARIABLE														
TETCO USAGE WLA TO M3	$/Dth	$0.1076	$0.1076	$0.1076	$0.1076	$0.1076	$0.1076	$0.1076	$0.1076	$0.1076	$0.1076	$0.1076	$0.1076	
ALGONQUIN USAGE	$/Dth	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	
06/10/2019 NYMEX	$/Dth	$2.4670	$2.6670	$2.7830	$2.7580	$2.6830	$2.4880	$2.4670	$2.5020	$2.5400	$2.5510	$2.5370	$2.5590	
SUPPLY AREA BASIS	$/Dth	($0.0760)	($0.0970)	($0.1030)	($0.0800)	($0.0700)	($0.0780)	($0.0730)	($0.0910)	($0.0880)	($0.0880)	($0.0640)	($0.0770)	
NET COST AFTER BASIS	$/Dth	$2.3910	$2.5700	$2.6800	$2.6780	$2.6130	$2.4100	$2.3940	$2.4110	$2.4520	$2.4630	$2.4730	$2.4820	

BILLING UNITS

FIXED														
TETCO WLA SUPPLY ZONE DEMAND	Dth	8,544	8,555	8,555	8,555	8,555	8,544	8,544	8,544	8,544	8,544	8,544	8,544	
TETCO ELA SUPPLY ZONE DEMAND	Dth	8,544	8,555	8,555	8,555	8,555	8,544	8,544	8,544	8,544	8,544	8,544	8,544	
TETCO M1 TO M3 DEMAND	Dth	8,544	8,555	8,555	8,555	8,555	8,544	8,544	8,544	8,544	8,544	8,544	8,544	
ALGONQUIN AFT-E DEMAND	Dth	8,500	8,500	8,500	8,500	8,500	8,500	8,500	8,500	8,500	8,500	8,500	8,500	102,000
VARIABLE														
PURCHASE VOLUMES	Dth	264,289	275,644	275,644	248,969	275,644	264,289	273,098	264,289	273,098	273,098	264,289	273,098	3,225,449
TETCO USAGE WLA TO M3	Dth	256,307	265,197	265,197	239,533	265,197	256,307	264,851	256,307	264,851	264,851	256,307	264,851	3,119,756
ALGONQUIN USAGE	Dth	255,000	263,500	263,500	238,000	263,500	255,000	263,500	255,000	263,500	263,500	255,000	263,500	3,102,500
DELIVERED VOLUMES	Dth	255,000	263,500	263,500	238,000	263,500	255,000	263,500	255,000	263,500	263,500	255,000	263,500	3,102,500

FUEL USE %

TETCO WLA TO M3 FUEL	%	3.020%	3.790%	3.790%	3.790%	3.790%	3.020%	3.020%	3.020%	3.020%	3.020%	3.020%	3.020%	
ALGONQUIN AFT-E FUEL	%	0.510%	0.640%	0.640%	0.640%	0.640%	0.510%	0.510%	0.510%	0.510%	0.510%	0.510%	0.510%	

TRANSPORTATION COST

FIXED														
TETCO WLA SUPPLY ZONE DEMAND	$	$24,144	$24,176	$24,176	$24,176	$24,176	$24,144	$24,144	$24,144	$24,144	$24,144	$24,144	$24,144	$289,856
TETCO ELA SUPPLY ZONE DEMAND	$	$20,291	$20,318	$20,318	$20,318	$20,318	$20,291	$20,291	$20,291	$20,291	$20,291	$20,291	$20,291	$243,598
TETCO M1 TO M3 DEMAND	$	$92,211	$92,331	$92,331	$92,331	$92,331	$92,211	$92,211	$92,211	$92,211	$92,211	$92,211	$92,211	$1,107,012
ALGONQUIN AFT-E DEMAND	$	$55,874	$55,874	$55,874	$55,874	$55,874	$55,874	$55,874	$55,874	$55,874	$55,874	$55,874	$55,874	$670,487
VARIABLE														
TETCO USAGE WLA TO M3	$	$27,579	$28,535	$28,535	$25,774	$28,535	$27,579	$28,498	$27,579	$28,498	$28,498	$27,579	$28,498	$335,686
ALGONQUIN USAGE	$	$15,683	$16,205	$16,205	$14,637	$16,205	$15,683	$16,205	$15,683	$16,205	$16,205	$15,683	$16,205	$190,804
PURCHASE COST	$	$631,914	$708,406	$738,726	$666,739	$720,258	$636,936	$653,797	$637,200	$669,637	$672,641	$653,586	$677,830	$8,067,670
TOTAL FIXED	$	$192,520	$192,699	$192,699	$192,699	$192,699	$192,520	$192,520	$192,520	$192,520	$192,520	$192,520	$192,520	$2,310,953
TOTAL VARIABLE	$	$675,175	$753,146	$783,467	$707,150	$764,999	$680,197	$698,501	$680,461	$714,340	$717,344	$696,847	$722,533	$8,594,160
DELIVERED VOLUMES AT NYMEX	$	$629,085	$702,755	$733,321	$656,404	$706,971	$634,440	$650,055	$638,010	$669,290	$672,189	$646,935	$674,297	$8,013,749
NET NON-GAS VARIABLE COST	$	$46,090	$50,392	$50,146	$50,746	$58,028	$45,757	$48,446	$42,451	$45,050	$45,156	$49,912	$48,237	$580,411
AVERAGE NON-GAS VARIABLE COST	$/Dth	**$0.1807**	**$0.1912**	**$0.1903**	**$0.2132**	**$0.2202**	**$0.1794**	**$0.1839**	**$0.1665**	**$0.1710**	**$0.1714**	**$0.1957**	**$0.1831**	**$0.1871**
AVERAGE FIXED COST	$/Dth													$22.6564
AVERAGE COST AT 100% LOAD FACTOR	$/Dth													**$0.7449**
TOTAL PATH COST	$/Dth													**$0.9319**

REDACTED

REDACTED

TEXAS EASTERN EAST LOUISIANA SUPPLY PATH TO ALGONQUIN CITY GATE
CITY GATE DELIVERED MDQ = 6,500

UNIT PRICING

		NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	TOTAL
FIXED														
TETCO ELA SUPPLY ZONE DEMAND	$/Dth	$2.3750	$2.3750	$2.3750	$2.3750	$2.3750	$2.3750	$2.3750	$2.3750	$2.3750	$2.3750	$2.3750	$2.3750	
TETCO M1 TO M3 DEMAND	$/Dth	$10.7930	$10.7930	$10.7930	$10.7930	$10.7930	$10.7930	$10.7930	$10.7930	$10.7930	$10.7930	$10.7930	$10.7930	
ALGONQUIN AFT-E DEMAND	$/Dth	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	
VARIABLE														
TETCO USAGE ELA TO M3	$/Dth	$0.1061	$0.1061	$0.1061	$0.1061	$0.1061	$0.1061	$0.1061	$0.1061	$0.1061	$0.1061	$0.1061	$0.1061	
ALGONQUIN USAGE	$/Dth	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	
06/10/2019 NYMEX	$/Dth	$2.4670	$2.6670	$2.7830	$2.7580	$2.6830	$2.4880	$2.4670	$2.5020	$2.5400	$2.5510	$2.5370	$2.5590	
SUPPLY AREA BASIS	$/Dth	($0.1150)	($0.1200)	($0.1200)	($0.0950)	($0.0950)	($0.1150)	($0.1150)	($0.1200)	($0.1250)	($0.1250)	($0.1200)	($0.1200)	
NET COST AFTER BASIS	$/Dth	$2.3520	$2.5470	$2.6630	$2.6630	$2.5880	$2.3730	$2.3520	$2.3820	$2.4150	$2.4260	$2.4170	$2.4390	

BILLING UNITS

FIXED														
TETCO ELA SUPPLY ZONE DEMAND	Dth	6,533	6,542	6,542	6,542	6,542	6,533	6,533	6,533	6,533	6,533	6,533	6,533	
TETCO M1 TO M3 DEMAND	Dth	6,533	6,542	6,542	6,542	6,542	6,533	6,533	6,533	6,533	6,533	6,533	6,533	
ALGONQUIN AFT-E DEMAND	Dth	6,500	6,500	6,500	6,500	6,500	6,500	6,500	6,500	6,500	6,500	6,500	6,500	78,000
VARIABLE														
PURCHASE VOLUMES	Dth	202,082	210,809	210,809	190,408	210,809	202,082	208,818	202,082	208,818	208,818	202,082	208,818	2,466,436
TETCO USAGE ELA TO M3	Dth	196,000	202,798	202,798	183,172	202,798	196,000	202,533	196,000	202,533	202,533	196,000	202,533	2,385,696
ALGONQUIN USAGE	Dth	195,000	201,500	201,500	182,000	201,500	195,000	201,500	195,000	201,500	201,500	195,000	201,500	2,372,500
DELIVERED VOLUMES	Dth	195,000	201,500	201,500	182,000	201,500	195,000	201,500	195,000	201,500	201,500	195,000	201,500	2,372,500

FUEL USE %

TETCO ELA TO M3 FUEL	%	3.010%	3.800%	3.800%	3.800%	3.800%	3.010%	3.010%	3.010%	3.010%	3.010%	3.010%	3.010%	
ALGONQUIN AFT-E FUEL	%	0.510%	0.640%	0.640%	0.640%	0.640%	0.510%	0.510%	0.510%	0.510%	0.510%	0.510%	0.510%	

TRANSPORTATION COST

FIXED														
TETCO ELA SUPPLY ZONE DEMAND	$	$15,517	$15,537	$15,537	$15,537	$15,537	$15,517	$15,517	$15,517	$15,517	$15,517	$15,517	$15,517	$186,281
TETCO M1 TO M3 DEMAND	$	$70,514	$70,606	$70,606	$70,606	$70,606	$70,514	$70,514	$70,514	$70,514	$70,514	$70,514	$70,514	$846,538
ALGONQUIN AFT-E DEMAND	$	$42,727	$42,727	$42,727	$42,727	$42,727	$42,727	$42,727	$42,727	$42,727	$42,727	$42,727	$42,727	$512,725
VARIABLE														
TETCO USAGE ELA TO M3	$	$20,796	$21,517	$21,517	$19,435	$21,517	$20,796	$21,489	$20,796	$21,489	$21,489	$20,796	$21,489	$253,122
ALGONQUIN USAGE	$	$11,993	$12,392	$12,392	$11,193	$12,392	$11,993	$12,392	$11,993	$12,392	$12,392	$11,993	$12,392	$145,909
PURCHASE COST	$	$475,298	$536,930	$561,383	$507,056	$545,573	$479,541	$491,141	$481,360	$504,296	$506,593	$488,433	$509,308	$6,086,912
TOTAL FIXED	$	$128,758	$128,870	$128,870	$128,870	$128,870	$128,758	$128,758	$128,758	$128,758	$128,758	$128,758	$128,758	$1,545,545
TOTAL VARIABLE	$	$508,086	$570,839	$595,293	$537,684	$579,482	$512,329	$525,022	$514,148	$538,177	$540,474	$521,221	$543,189	$6,485,943
DELIVERED VOLUMES AT NYMEX	$	$481,065	$537,401	$560,775	$501,956	$540,625	$485,160	$497,101	$487,890	$511,810	$514,027	$494,715	$515,639	$6,128,161
NET NON-GAS VARIABLE COST	$	$27,021	$33,438	$34,518	$35,728	$38,857	$27,169	$27,921	$26,258	$26,367	$26,448	$26,506	$27,550	$357,782
AVERAGE NON-GAS VARIABLE COST	$/Dth	**$0.1386**	**$0.1659**	**$0.1713**	**$0.1963**	**$0.1928**	**$0.1393**	**$0.1386**	**$0.1347**	**$0.1309**	**$0.1313**	**$0.1359**	**$0.1367**	**$0.1508**
AVERAGE FIXED COST	$/Dth													$19.8147
AVERAGE COST AT 100% LOAD FACTOR	$/Dth													**$0.6514**
TOTAL PATH COST	$/Dth													**$0.8022**

REDACTED

MAUMEE/PENNSBURG COLUMBIA PATH TO CITY GATE
CITY GATE DELIVERED MDQ = 3,000

		NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	TOTAL
UNIT PRICING														
FIXED														
COLUMBIA FTS DEMAND	$/Dth	$6.7720	$6.7720	$6.7720	$6.7720	$6.7720	$6.7720	$6.7720	$6.7720	$6.7720	$6.7720	$6.7720	$6.7720	
ALGONQUIN DEMAND	$/Dth	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	
VARIABLE														
COLUMBIA USAGE	$/Dth	$0.0177	$0.0177	$0.0177	$0.0177	$0.0177	$0.0177	$0.0177	$0.0177	$0.0177	$0.0177	$0.0177	$0.0177	
ALGONQUIN USAGE	$/Dth	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	
06/10/2019 NYMEX	$/Dth	$2.4670	$2.6670	$2.7830	$2.7580	$2.6830	$2.4880	$2.4670	$2.5020	$2.5400	$2.5510	$2.5370	$2.5590	
SUPPLY BASIS MAUMEE	$/Dth	($0.2650)	($0.2550)	($0.2600)	($0.2400)	($0.2500)	($0.2450)	($0.2830)	($0.3280)	($0.3620)	($0.4000)	($0.4230)	($0.4150)	
SUPPLY BASIS PENNSBURG	$/Dth	($0.1550)	$0.4550	$2.8350	$2.7600	$0.1200	($0.1980)	($0.3230)	($0.3350)	($0.3350)	($0.4130)	($0.5330)	($0.5150)	
NET COST AFTER BASIS MAUMEE	$/Dth	$2.2020	$2.4120	$2.5230	$2.5180	$2.4330	$2.2430	$2.1840	$2.1740	$2.1780	$2.1510	$2.1140	$2.1440	
NET COST AFTER BASIS PENNSBURG	$/Dth	$2.3120	$3.1220	$5.6180	$5.5180	$2.8030	$2.2900	$2.1440	$2.1670	$2.2050	$2.1380	$2.0040	$2.0440	
BILLING UNITS														
FIXED														
COLUMBIA FTS DEMAND	Dth	3,015	3,019	3,019	3,019	3,019	3,015	3,015	3,015	3,015	3,015	3,015	3,015	
ALGONQUIN DEMAND	Dth	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	36,000
VARIABLE														
PURCHASE VOLUMES MAUMEE	Dth	76,526	77,999	77,999	70,451	77,999	75,384	77,897	75,384	77,897	77,897	75,384	77,897	
PURCHASE VOLUMES PENNSBURG	Dth	15,305	15,600	15,600	14,090	15,600	15,077	15,579	15,077	15,579	15,579	15,077	15,579	
COLUMBIA USAGE	Dth	90,461	93,599	93,599	84,541	93,599	90,461	93,477	90,461	93,477	93,477	90,461	93,477	
ALGONQUIN USAGE	Dth	90,000	93,000	93,000	84,000	93,000	90,000	93,000	90,000	93,000	93,000	90,000	93,000	
DELIVERED VOLUMES MAUMEE	Dth	75,000	77,500	77,500	70,000	77,500	75,000	77,500	75,000	77,500	77,500	75,000	77,500	912,500
DELIVERED VOLUMES PENNSBURG	Dth	15,000	15,500	15,500	14,000	15,500	15,000	15,500	15,000	15,500	15,500	15,000	15,500	182,500
FUEL USE %														
COLUMBIA FUEL	%	1.492%	1.492%	1.492%	1.492%	1.492%	1.492%	1.492%	1.492%	1.492%	1.492%	1.492%	1.492%	
ALGONQUIN AFT-E FUEL	%	0.510%	0.640%	0.640%	0.640%	0.640%	0.510%	0.510%	0.510%	0.510%	0.510%	0.510%	0.510%	
TRANSPORTATION COST														
FIXED														
COLUMBIA FTS DEMAND	$	$20,420	$20,447	$20,447	$20,447	$20,447	$20,420	$20,420	$20,420	$20,420	$20,420	$20,420	$20,420	$245,149
ALGONQUIN DEMAND	$	$19,720	$19,720	$19,720	$19,720	$19,720	$19,720	$19,720	$19,720	$19,720	$19,720	$19,720	$19,720	$236,642
VARIABLE														
COLUMBIA USAGE	$	$1,601	$1,657	$1,657	$1,496	$1,657	$1,601	$1,655	$1,601	$1,655	$1,655	$1,601	$1,655	$19,489
ALGONQUIN USAGE	$	$5,535	$5,720	$5,720	$5,166	$5,720	$5,535	$5,720	$5,535	$5,720	$5,720	$5,535	$5,720	$67,343
PURCHASE COST MAUMEE	$	$168,511	$188,134	$196,792	$177,395	$189,772	$169,087	$170,128	$163,886	$169,660	$167,557	$159,363	$167,012	$2,087,297
PURCHASE COST PENNSBURG	$	$35,386	$48,703	$87,640	$77,750	$43,726	$34,526	$33,402	$32,672	$34,353	$33,309	$30,214	$31,844	$523,524
TOTAL FIXED	$	$40,140	$40,167	$40,167	$40,167	$40,167	$40,140	$40,140	$40,140	$40,140	$40,140	$40,140	$40,140	$481,791
TOTAL VARIABLE	$	$211,033	$244,213	$291,808	$261,807	$240,875	$210,750	$210,904	$203,694	$211,387	$208,240	$196,713	$206,230	$2,697,653
DELIVERED VOLUMES AT NYMEX	$	$222,030	$248,031	$258,819	$231,672	$249,519	$223,920	$229,431	$225,180	$236,220	$237,243	$228,330	$237,987	$2,828,382
NET NON-GAS VARIABLE COST	$	-$10,997	-$3,818	$32,989	$30,135	-$8,644	-$13,170	-$18,527	-$21,486	-$24,833	-$29,003	-$31,617	-$31,757	-$130,729
AVERAGE NON-GAS VARIABLE COST	$/Dth	**-$0.1222**	**-$0.0411**	**$0.3547**	**$0.3588**	**-$0.0930**	**-$0.1463**	**-$0.1992**	**-$0.2387**	**-$0.2670**	**-$0.3119**	**-$0.3513**	**-$0.3415**	**-$0.1194**
AVERAGE FIXED COST	$/Dth													$13.3831
AVERAGE COST AT 100% LOAD FACTOR	$/Dth													**$0.4400**
TOTAL PATH COST	$/Dth													**$0.3206**

TENNESSEE ZONE 1 TO CITY GATE
CITY GATE DELIVERED MDQ = 9,500

		NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	TOTAL
UNIT PRICING														
FIXED														
TENNESSEE ZONE 1 TO 6 DEMAND	$/Dth	$21.0092	$21.0092	$21.0092	$21.0092	$21.0092	$21.0092	$21.0092	$21.0092	$21.0092	$21.0092	$21.0092	$21.0092	
VARIABLE														
TENNESSE ZONE 1 TO 6 USAGE	$/Dth	$0.2959	$0.2959	$0.2959	$0.2959	$0.2959	$0.2959	$0.2959	$0.2959	$0.2959	$0.2959	$0.2959	$0.2959	
06/10/2019 NYMEX	$/Dth	$2.4670	$2.6670	$2.7830	$2.7580	$2.6830	$2.4880	$2.4670	$2.5020	$2.5400	$2.5510	$2.5370	$2.5590	
SUPPLY AREA BASIS	$/Dth	($0.1240)	($0.0770)	($0.1160)	($0.0450)	($0.0750)	($0.0960)	($0.1170)	($0.1180)	($0.1000)	($0.0790)	($0.0790)	($0.0930)	
NET COST AFTER BASIS	$/Dth	$2.3430	$2.5900	$2.6670	$2.7130	$2.6080	$2.3920	$2.3500	$2.3840	$2.4400	$2.4720	$2.4580	$2.4660	
BILLING UNITS														
FIXED														
TENNESSEE ZONE 1 TO 6 DEMAND	Dth	9,500	9,500	9,500	9,500	9,500	9,500	9,500	9,500	9,500	9,500	9,500	9,500	114,000
VARIABLE														
PURCHASE VOLUMES	Dth	298,461	308,409	308,409	278,563	308,409	298,461	308,409	298,461	308,409	308,409	298,461	308,409	3,631,270
TENNESSE ZONE 1 TO 6 USAGE	Dth	285,000	294,500	294,500	266,000	294,500	285,000	294,500	285,000	294,500	294,500	285,000	294,500	3,467,500
DELIVERED VOLUMES	Dth	285,000	294,500	294,500	266,000	294,500	285,000	294,500	285,000	294,500	294,500	285,000	294,500	3,467,500
FUEL USE %														
TENNESSEE ZONE 1 TO 6 FUEL	%	4.510%	4.510%	4.510%	4.510%	4.510%	4.510%	4.510%	4.510%	4.510%	4.510%	4.510%	4.510%	
TRANSPORTATION COST														
FIXED														
TENNESSEE ZONE 1 TO 6 DEMAND	$	$199,587	$199,587	$199,587	$199,587	$199,587	$199,587	$199,587	$199,587	$199,587	$199,587	$199,587	$199,587	$2,395,049
VARIABLE														
TENNESSE ZONE 1 TO 6 USAGE	$	$84,332	$87,143	$87,143	$78,709	$87,143	$84,332	$87,143	$84,332	$87,143	$87,143	$84,332	$87,143	$1,026,033
PURCHASE COST	$	$699,293	$798,780	$822,527	$755,742	$804,331	$713,918	$724,762	$711,530	$752,519	$762,388	$733,616	$760,537	$9,039,943
TOTAL FIXED	$	$199,587	$199,587	$199,587	$199,587	$199,587	$199,587	$199,587	$199,587	$199,587	$199,587	$199,587	$199,587	$2,395,049
TOTAL VARIABLE	$	$783,625	$885,923	$909,670	$834,451	$891,474	$798,249	$811,904	$795,862	$839,661	$849,530	$817,948	$847,680	$10,065,976
DELIVERED VOLUMES AT NYMEX	$	$703,095	$785,432	$819,594	$733,628	$790,144	$709,080	$726,532	$713,070	$748,030	$751,270	$723,045	$753,626	$8,956,543
NET NON-GAS VARIABLE COST	$	$80,530	$100,491	$90,077	$100,823	$101,330	$89,169	$85,373	$82,792	$91,631	$98,261	$94,903	$94,054	$1,109,433
AVERAGE NON-GAS VARIABLE COST	$/Dth	**$0.2826**	**$0.3412**	**$0.3059**	**$0.3790**	**$0.3441**	**$0.3129**	**$0.2899**	**$0.2905**	**$0.3111**	**$0.3337**	**$0.3330**	**$0.3194**	**$0.3200**
AVERAGE FIXED COST	$/Dth													$21.0092
AVERAGE COST AT 100% LOAD FACTOR	$/Dth													**$0.6907**
TOTAL PATH COST	$/Dth													**$1.0107**

REDACTED

ALGONQUIN LAMBERTVILLE TO CITY GATE
CITY GATE DELIVERED MDQ = 2,714

		NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	TOTAL
UNIT PRICING														
FIXED														
ALGONQUIN AFT-E DEMAND	$/Dth	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	
VARIABLE														
ALGONQUIN AFT-E USAGE	$/Dth	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	
06/10/2019 NYMEX	$/Dth	$2.4670	$2.6670	$2.7830	$2.7580	$2.6830	$2.4880	$2.4670	$2.5020	$2.5400	$2.5510	$2.5370	$2.5590	
SUPPLY AREA BASIS	$/Dth	($0.1550)	$0.4550	$2.8350	$2.7600	$0.1200	($0.1980)	($0.3230)	($0.3350)	($0.3350)	($0.4130)	($0.5330)	($0.5150)	
NET COST AFTER BASIS	$/Dth	$2.3120	$3.1220	$5.6180	$5.5180	$2.8030	$2.2900	$2.1440	$2.1670	$2.2050	$2.1380	$2.0040	$2.0440	
BILLING UNITS														
FIXED														
ALGONQUIN AFT-E DEMAND	Dth	2,714	2,714	2,714	2,714	2,714	2,714	2,714	2,714	2,714	2,714	2,714	2,714	32,568
VARIABLE														
PURCHASE VOLUMES	Dth	81,837	84,676	84,676	76,481	84,676	81,837	84,565	81,837	84,565	84,565	81,837	84,565	996,120
ALGONQUIN AFT-E USAGE	Dth	81,420	84,134	84,134	75,992	84,134	81,420	84,134	81,420	84,134	84,134	81,420	84,134	990,610
DELIVERED VOLUMES	Dth	81,420	84,134	84,134	75,992	84,134	81,420	84,134	81,420	84,134	84,134	81,420	84,134	990,610
FUEL USE %														
ALGONQUIN AFT-E FUEL	%	0.510%	0.640%	0.640%	0.640%	0.640%	0.510%	0.510%	0.510%	0.510%	0.510%	0.510%	0.510%	
TRANSPORTATION COST														
FIXED														
ALGONQUIN AFT-E DEMAND	$	$17,840	$17,840	$17,840	$17,840	$17,840	$17,840	$17,840	$17,840	$17,840	$17,840	$17,840	$17,840	$214,082
VARIABLE														
ALGONQUIN AFT-E USAGE	$	$5,007	$5,174	$5,174	$4,674	$5,174	$5,007	$5,174	$5,007	$5,174	$5,174	$5,007	$5,174	$60,923
PURCHASE COST	$	$189,208	$264,358	$475,709	$422,025	$237,347	$187,408	$181,308	$177,342	$186,466	$180,801	$164,002	$172,851	$2,838,825
TOTAL FIXED	$	$17,840	$17,840	$17,840	$17,840	$17,840	$17,840	$17,840	$17,840	$17,840	$17,840	$17,840	$17,840	$214,082
TOTAL VARIABLE	$	$194,215	$269,532	$480,884	$426,698	$242,521	$192,415	$186,482	$182,349	$191,641	$185,975	$169,009	$178,026	$2,899,747
DELIVERED VOLUMES AT NYMEX	$	$200,863	$224,385	$234,145	$209,586	$225,732	$202,573	$207,559	$203,713	$213,700	$214,626	$206,563	$215,299	$2,558,743
NET NON-GAS VARIABLE COST	$	-$6,648	$45,147	$246,739	$217,112	$16,789	-$10,158	-$21,076	-$21,364	-$22,060	-$28,651	-$37,553	-$37,273	$341,004
AVERAGE NON-GAS VARIABLE COST	$/Dth	**-$0.0816**	**$0.5366**	**$2.9327**	**$2.8570**	**$0.1996**	**-$0.1248**	**-$0.2505**	**-$0.2624**	**-$0.2622**	**-$0.3405**	**-$0.4612**	**-$0.4430**	**$0.3442**
AVERAGE FIXED COST	$/Dth													$6.5734
AVERAGE COST AT 100% LOAD FACTOR	$/Dth													**$0.2161**
TOTAL PATH COST	$/Dth													**$0.5603**

REDACTED

TENNESSEE DRACUT TO CITY GATE
CITY GATE DELIVERED MDQ = 1,000

		NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	TOTAL
UNIT PRICING														
FIXED														
TENNESSEE ZONE 6 TO 6 DEMAND	$/Dth	$4.6431	$4.6431	$4.6431	$4.6431	$4.6431	$4.6431	$4.6431	$4.6431	$4.6431	$4.6431	$4.6431	$4.6431	
VARIABLE														
TENNESSE ZONE 6 TO 6 USAGE	$/Dth	$0.0350	$0.0350	$0.0350	$0.0350	$0.0350	$0.0350	$0.0350	$0.0350	$0.0350	$0.0350	$0.0350	$0.0350	
06/10/2019 NYMEX	$/Dth	$2.4670	$2.6670	$2.7830	$2.7580	$2.6830	$2.4880	$2.4670	$2.5020	$2.5400	$2.5510	$2.5370	$2.5590	
SUPPLY AREA BASIS	$/Dth	$1.2270	$4.0170	$5.7950	$5.7490	$2.5730	$0.8220	$0.1070	$0.1180	$0.3090	$0.2970	$0.0000	$0.1930	
NET COST AFTER BASIS	$/Dth	$3.6940	$6.6840	$8.5780	$8.5070	$5.2560	$3.3100	$2.5740	$2.6200	$2.8490	$2.8480	$2.5370	$2.7520	
BILLING UNITS														
FIXED														
TENNESSEE ZONE 6 TO 6 DEMAND	Dth	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	12,000
VARIABLE														
PURCHASE VOLUMES	Dth	30,000	31,000	31,000	28,000	31,000	30,000	31,000	30,000	31,000	31,000	30,000	31,000	365,000
TENNESSE ZONE 6 TO 6 USAGE	Dth	30,000	31,000	31,000	28,000	31,000	30,000	31,000	30,000	31,000	31,000	30,000	31,000	365,000
DELIVERED VOLUMES	Dth	30,000	31,000	31,000	28,000	31,000	30,000	31,000	30,000	31,000	31,000	30,000	31,000	365,000
FUEL USE %														
TENNESSEE ZONE 6 TO 6 FUEL	%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
TRANSPORTATION COST														
FIXED														
TENNESSEE ZONE 6 TO 6 DEMAND	$	$4,643	$4,643	$4,643	$4,643	$4,643	$4,643	$4,643	$4,643	$4,643	$4,643	$4,643	$4,643	$55,717
VARIABLE														
TENNESSE ZONE 6 TO 6 USAGE	$	$1,050	$1,085	$1,085	$980	$1,085	$1,050	$1,085	$1,050	$1,085	$1,085	$1,050	$1,085	$12,775
PURCHASE COST	$	$110,820	$207,204	$265,918	$238,196	$162,936	$99,300	$79,794	$78,600	$88,319	$88,288	$76,110	$85,312	$1,580,797
TOTAL FIXED	$	$4,643	$4,643	$4,643	$4,643	$4,643	$4,643	$4,643	$4,643	$4,643	$4,643	$4,643	$4,643	$55,717
TOTAL VARIABLE	$	$111,870	$208,289	$267,003	$239,176	$164,021	$100,350	$80,879	$79,650	$89,404	$89,373	$77,160	$86,397	$1,593,572
DELIVERED VOLUMES AT NYMEX	$	$74,010	$82,677	$86,273	$77,224	$83,173	$74,640	$76,477	$75,060	$78,740	$79,081	$76,110	$79,329	$942,794
NET NON-GAS VARIABLE COST	$	$37,860	$125,612	$180,730	$161,952	$80,848	$25,710	$4,402	$4,590	$10,664	$10,292	$1,050	$7,068	$650,778
AVERAGE NON-GAS VARIABLE COST	$/Dth	**$1.2620**	**$4.0520**	**$5.8300**	**$5.7840**	**$2.6080**	**$0.8570**	**$0.1420**	**$0.1530**	**$0.3440**	**$0.3320**	**$0.0350**	**$0.2280**	**$1.7830**
AVERAGE FIXED COST	$/Dth													$4.6431
AVERAGE COST AT 100% LOAD FACTOR	$/Dth													**$0.1526**
TOTAL PATH COST	$/Dth													**$1.9356**

REDACTED

National Grid Rhode Island Company Average Costs Per Unit Costs ($000) and Volumes (MDth)	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Total
Commodity and Variable Costs													
Commodity for Purchases to City Gate	$ 8,465.3	$ 14,321.3	$ 16,881.3	$ 16,059.4	$ 12,645.9	$ 6,533.5	$ 3,724.5	$ 2,268.7	$ 1,972.6	$ 1,971.3	$ 2,217.1	$ 4,859.0	$ 91,919.9
Variable Costs for Purchases to City Gate	$ 402.0	$ 538.3	$ 573.4	$ 534.5	$ 485.4	$ 315.3	$ 209.5	$ 141.4	$ 121.7	$ 123.6	$ 146.3	$ 253.0	$ 3,844.3
Total Cost for Purchases to City Gate	$ 8,867.3	$ 14,859.6	$ 17,454.7	$ 16,593.9	$ 13,131.4	$ 6,848.8	$ 3,934.0	$ 2,410.1	$ 2,094.2	$ 2,094.9	$ 2,363.4	$ 5,112.0	$ 95,764.2
06/10/2019 NYMEX	$ 2.467	$ 2.667	$ 2.783	$ 2.758	$ 2.683	$ 2.488	$ 2.467	$ 2.502	$ 2.540	$ 2.551	$ 2.537	$ 2.559	
Pipeline Purchases to City Gate	3,852	5,300	5,851	5,511	4,779	2,927	1,788	1,102	939	952	1,151	2,401	36,552
NYMEX Cost of Pipeline Purchases	$ 9,501.7	$ 14,134.7	$ 16,283.6	$ 15,198.1	$ 12,821.5	$ 7,282.1	$ 4,412.0	$ 2,758.3	$ 2,384.8	$ 2,427.6	$ 2,921.0	$ 6,143.6	$ 96,269.0
Non-Gas Cost of Delivered Supplies													**$ (0.0138)**
Fixed Costs													
Transportation Fixed Costs	$ 5,362.0	$ 5,532.5	$ 5,531.2	$ 5,531.2	$ 5,531.2	$ 5,360.7	$ 5,360.7	$ 5,360.7	$ 5,360.7	$ 5,360.7	$ 5,360.7	$ 5,360.7	$ 65,012.8
Total Pipeline Fixed Costs	$ 5,362.0	$ 5,532.5	$ 5,531.2	$ 5,531.2	$ 5,531.2	$ 5,360.7	$ 5,360.7	$ 5,360.7	$ 5,360.7	$ 5,360.7	$ 5,360.7	$ 5,360.7	$ 65,012.8
Total Fixed Units	6,506	6,750	6,750	6,096	6,750	6,506	6,696	6,024	6,225	6,225	6,024	6,696	77,247
100% Load Factor Unit Value ($/Dth)													**$ 0.8416**
Total Average System Unit Value ($/Dth)													**$ 0.8278**

REDACTED

REDACTED

National Grid Rhode Island Gas Cost Recovery Cost of Gas ($000)	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Total
Normal Scenario - Sales Only													
FIXED COSTS													
Total Transportation Fixed Costs	$ 5,099.0	$ 5,269.5	$ 5,268.2	$ 5,268.2	$ 5,268.2	$ 5,097.7	$ 5,097.7	$ 5,097.7	$ 5,097.7	$ 5,097.7	$ 5,097.7	$ 5,097.7	$ 61,857.1
Total Storage Delivery Fixed Costs	$ 348.7	$ 348.7	$ 348.7	$ 348.7	$ 348.7	$ 323.3	$ 323.3	$ 323.3	$ 323.3	$ 323.3	$ 323.3	$ 323.3	$ 4,006.6
Total Storage Fixed Costs	$ 361.4	$ 361.4	$ 361.4	$ 361.4	$ 361.4	$ 361.4	$ 361.4	$ 361.4	$ 361.4	$ 361.4	$ 361.4	$ 361.4	$ 4,336.3
Total Liquefaction Fixed Costs	[redacted]												
Total Supplier Fixed Costs	[redacted]												
LESS:													
AMA Credits	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Marketer Capacity Release Credits	$ 837.7	$ 837.7	$ 837.7	$ 837.7	$ 837.7	$ 837.7	$ 837.7	$ 837.7	$ 837.7	$ 837.7	$ 837.7	$ 837.7	$ 10,051.9
TOTAL FIXED COSTS	[redacted]												
VARIABLE COSTS													
Commodity													
Commodity for Purchases to City Gate	$ 5,846.4	$ 8,541.6	$ 10,716.4	$ 9,755.2	$ 8,134.0	$ 4,526.7	$ 2,308.8	$ 1,452.0	$ 1,257.3	$ 1,291.4	$ 1,451.7	$ 3,122.3	$ 58,403.7
Commodity for Purchases to Injections	[redacted]												
Total Commodity Costs	[redacted]												
Withdrawal													
Underground Storage Withdrawal Value	$ 133.9	$ 1,668.5	$ 2,102.5	$ 1,930.7	$ 1,356.1	$ 138.5	$ -	$ -	$ -	$ -	$ -	$ -	$ 7,330.3
LNG Storage Withdrawal Value	$ 75.7	$ 78.3	$ 845.8	$ 532.3	$ 78.3	$ 73.5	$ 73.1	$ 69.4	$ 71.3	$ 71.3	$ 68.6	$ 70.3	$ 2,107.8
Total Storage Withdrawal Value	$ 209.7	$ 1,746.8	$ 2,948.3	$ 2,463.0	$ 1,434.3	$ 212.0	$ 73.1	$ 69.4	$ 71.3	$ 71.3	$ 68.6	$ 70.3	$ 9,438.1
Transportation													
Variable Costs for Purchases to City Gate	$ 266.9	$ 342.7	$ 381.9	$ 355.0	$ 318.2	$ 208.5	$ 124.5	$ 87.8	$ 77.4	$ 80.5	$ 86.6	$ 148.0	$ 2,478.2
Variable Costs for Storage Withdrawal	$ 5.3	$ 90.8	$ 114.3	$ 104.9	$ 71.3	$ 5.5	$ -	$ -	$ -	$ -	$ -	$ -	$ 392.0
Variable Costs for Storage Injection	$ -	$ -	$ -	$ -	$ -	$ 135.2	$ 155.5	$ 153.6	$ 15.4	$ 17.7	$ 135.9	$ 52.4	$ 665.7
Total Transportation Variable Costs	[redacted]												
Total Storage Variable Costs	$ 1.3	$ 25.2	$ 35.0	$ 31.7	$ 16.1	$ 3.6	$ 13.9	$ 15.2	$ 10.6	$ 12.4	$ 18.5	$ 18.3	$ 201.8
LESS:													
LNG Trucking	$ -	$ -	$ -	$ -	$ -	[redacted]							
Storage Refill	$ -	$ -	$ -	$ -	$ -	$ 148.6	$ 1,186.3	$ 1,326.5	$ 735.7	$ 962.4	$ 1,451.3	$ 1,464.9	$ 7,275.8
Liquefaction	$ -	$ -	$ -	$ -	$ -	[redacted]							
Total Storage and Liquefaction	$ -	$ -	$ -	$ -	$ -	$ 623.9	$ 1,674.5	$ 1,803.8	$ 735.7	$ 962.4	$ 1,755.5	$ 1,532.1	$ 9,087.9
TOTAL VARIABLE COSTS	[redacted]												
TOTAL FIXED AND VARIABLE COSTS	[redacted]												$ 148,578.2
TOTAL GAS COSTS	[redacted]												$ 148,578.2

REDACTED

National Grid Rhode Island
Gas Commodity Costs
Normal Year
($000)

Commodity Costs	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Grand Total
AIM_M3_Ramap	$ 34.8	$ 11.4	$ -	$ -	$ 28.2	$ 9.6	$ -	$ -	$ -	$ -	$ -	$ 30.9	$ 114.8
Constel SUM	[redacted]												
Constel WIN	[redacted]												
Dawn_EHere	$ 112.6	$ 798.7	$ 1,563.0	$ 1,525.4	$ 508.8	$ 22.2	$ -	$ -	$ -	$ -	$ -	$ -	$ 4,530.7
Dawn_Waddy	$ -	$ 11.3	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 11.3
Dom_SP	$ 32.7	$ 39.3	$ 41.2	$ 38.5	$ 40.0	$ 35.1	$ 14.5	$ -	$ -	$ -	$ 6.7	$ 32.0	$ 280.1
Dracut	[redacted]												
DracutSwing	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Everett04216	[redacted]												
EverettSwing	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
MPL_East	$ 559.7	$ 651.4	$ 682.6	$ 637.3	$ 562.3	$ 581.7	$ 404.6	$ 192.5	$ -	$ 8.2	$ 460.5	$ 547.4	$ 5,288.2
Niagara	$ 67.2	$ 81.9	$ 86.1	$ 80.2	$ 84.5	$ 74.5	$ -	$ -	$ -	$ -	$ -	$ -	$ 474.4
TCO Appalach	$ 1,632.6	$ 2,802.2	$ 2,977.2	$ 2,779.8	$ 2,871.2	$ 825.3	$ -	$ 108.1	$ 108.9	$ 110.5	$ 68.7	$ 39.1	$ 14,323.5
TCO M3	$ 65.3	$ 48.9	$ -	$ -	$ 71.9	$ 29.9	$ 5.7	$ -	$ -	$ -	$ -	$ 83.0	$ 304.7
Tetco M2	$ 1,663.5	$ 2,058.5	$ 2,184.4	$ 2,045.9	$ 2,048.7	$ 1,715.2	$ 1,688.9	$ 1,630.3	$ 1,611.9	$ 1,613.4	$ 1,519.5	$ 1,627.0	$ 21,407.2
Tetco M3	$ 563.4	$ 17.9	$ -	$ -	$ 257.9	$ 600.2	$ 343.1	$ -	$ -	$ -	$ 47.5	$ 1,061.0	$ 2,890.9
TGP Z4	$ 1,039.2	$ 1,669.8	$ 2,250.0	$ 2,052.0	$ 1,418.5	$ 641.3	$ 897.2	$ 717.9	$ 150.5	$ 397.2	$ 796.6	$ 1,117.3	$ 13,147.5
Transco_Leid	$ 75.6	$ 89.4	$ 94.7	$ 88.6	$ 90.5	$ 74.4	$ 59.7	$ 43.5	$ 38.4	$ 39.3	$ 43.0	$ 64.2	$ 801.3
Waddy	$ -	$ -	$ -	$ -	$ 4.6	$ 62.7	$ 62.5	$ 64.6	$ 67.9	$ 67.5	$ 61.1	$ -	$ 390.9
Grand Total	[redacted]												

REDACTED

National Grid Rhode Island
Gas Commodity Costs
Normal Year
($000)

Unit Cost	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Weighted Average
AIM_M3_Ramap	$ 2.31	$ 3.12	$ -	$ -	$ 2.80	$ 2.29	$ -	$ -	$ -	$ -	$ -	$ 2.04	$ 2.39
Constel SUM	[redacted]												
Constel WIN	[redacted]												
Dawn_EHere	$ 2.38	$ 2.75	$ 2.88	$ 2.88	$ 2.83	$ 2.36	$ -	$ -	$ -	$ -	$ -	$ -	$ 2.83
Dawn_Waddy	$ -	$ 2.75	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2.75
Dom_SP	$ 2.06	$ 2.32	$ 2.43	$ 2.42	$ 2.36	$ 2.14	$ 2.03	$ -	$ -	$ -	$ 1.91	$ 1.95	$ 2.22
Dracut	[redacted]												
DracutSwing	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Everett04216	[redacted]												
EverettSwing	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
MPL_East	$ 2.06	$ 2.32	$ 2.43	$ 2.42	$ 2.36	$ 2.14	$ 2.03	$ 2.03	$ -	$ 2.05	$ 1.91	$ 1.95	$ 2.18
Niagara	$ 2.08	$ 2.45	$ 2.58	$ 2.57	$ 2.53	$ 2.31	$ -	$ -	$ -	$ -	$ -	$ -	$ 2.42
TCO Appalach	$ 2.20	$ 2.41	$ 2.52	$ 2.52	$ 2.43	$ 2.24	$ -	$ 2.17	$ 2.18	$ 2.15	$ 2.11	$ 2.14	$ 2.41
TCO M3	$ 2.31	$ 3.12	$ -	$ -	$ 2.80	$ 2.29	$ 2.14	$ -	$ -	$ -	$ -	$ 2.04	$ 2.42
Tetco M2	$ 2.03	$ 2.30	$ 2.43	$ 2.42	$ 2.37	$ 2.12	$ 1.99	$ 1.99	$ 2.04	$ 2.00	$ 1.85	$ 1.92	$ 2.13
Tetco M3	$ 2.31	$ 3.12	$ -	$ -	$ 2.80	$ 2.29	$ 2.14	$ -	$ -	$ -	$ 2.00	$ 2.04	$ 2.21
TGP Z4	$ 2.26	$ 2.53	$ 2.64	$ 2.63	$ 2.57	$ 2.29	$ 2.19	$ 2.18	$ 2.23	$ 2.20	$ 2.06	$ 2.10	$ 2.39
Transco_Leid	$ 2.02	$ 2.31	$ 2.45	$ 2.45	$ 2.34	$ 2.05	$ 1.93	$ 1.95	$ 1.97	$ 1.95	$ 1.83	$ 1.87	$ 2.13
Waddy	$ -	$ -	$ -	$ -	$ 2.69	$ 2.07	$ 2.00	$ 2.13	$ 2.17	$ 2.16	$ 2.02	$ -	$ 2.10
Weighted Average	**$ 2.16**	**$ 2.44**	**$ 2.60**	**$ 2.58**	**$ 2.47**	**$ 2.23**	**$ 2.11**	**$ 2.12**	**$ 2.06**	**$ 2.05**	**$ 1.94**	**$ 2.00**	**$ 2.32**

REDACTED

National Grid Rhode Island
Gas Commodity Costs
Normal Year
($000)

Commodity to Injections	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Grand Total
AIM_M3_Ramap	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Constel SUM	[redacted]												
Constel WIN	[redacted]												
Dawn_EHere	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Dawn_Waddy	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Dom_SP	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Dracut	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
DracutSwing	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Everett04216	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
EverettSwing	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
MPL_East	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Niagara	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
TCO Appalach	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 108.1	$ 108.9	$ 110.5	$ 68.7	$ 38.5	$ 434.7
TCO M3	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Tetco M2	$ -	$ -	$ -	$ -	$ -	$ 145.4	$ 555.0	$ 616.5	$ 556.5	$ 541.0	$ 832.3	$ 860.2	$ 4,107.0
Tetco M3	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
TGP Z4	$ -	$ -	$ -	$ -	$ -	$ -	$ 612.2	$ 580.4	$ 54.9	$ 293.2	$ 613.9	$ 580.9	$ 2,735.6
Transco_Leid	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -
Waddy	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 37.0	$ -	$ 37.0
Grand Total	[redacted]												

REDACTED

National Grid Rhode Island
Transportation Variable Costs
Normal Year
($000)

Transportation Costs	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Grand Total
Dawn to E.Here	$ 0.1	$ 2.6	$ 8.2	$ 6.4	$ 3.1	$ 0.3	$ -	$ -	$ -	$ -	$ -	$ -	$ 20.6
Dawn to WADDY	$ -	$ 0.4	$ -	$ -	$ 0.1	$ 2.6	$ 2.7	$ 2.6	$ 2.7	$ 2.7	$ 2.6	$ -	$ 16.2
Dominion SP	$ 0.3	$ 0.3	$ 0.4	$ 0.4	$ 0.3	$ 0.3	$ 0.1	$ -	$ -	$ -	$ 0.1	$ 0.3	$ 2.4
Dracut	$ 1.6	$ 8.5	$ 14.5	$ 14.8	$ 5.1	$ 0.0	$ -	$ -	$ -	$ -	$ -	$ -	$ 44.5
Everett	$ -	$ 2.3	$ 6.2	$ 3.6	$ 0.1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 12.3
LNG	[redacted]												
Millennium/AIM	$ 27.7	$ 27.5	$ 27.2	$ 25.4	$ 23.5	$ 26.7	$ 19.3	$ 9.2	$ -	$ 0.4	$ 23.4	$ 28.6	$ 238.9
Niagara	$ 2.7	$ 2.8	$ 2.8	$ 2.7	$ 2.8	$ 2.7	$ -	$ -	$ -	$ -	$ -	$ -	$ 16.7
Storage Delivery	$ 37.9	$ 71.6	$ 79.7	$ 75.5	$ 72.3	$ 39.5	$ 26.1	$ 7.7	$ 5.1	$ 7.7	$ 13.7	$ 27.4	$ 464.3
TCO App	$ 12.8	$ 20.0	$ 20.3	$ 19.0	$ 20.3	$ 6.3	$ -	$ 0.9	$ 0.9	$ 0.9	$ 0.6	$ 0.3	$ 102.3
TCO App/M3/Storage	$ 42.9	$ 69.8	$ 71.0	$ 66.3	$ 70.9	$ 20.2	$ 0.1	$ -	$ -	$ -	$ -	$ 2.0	$ 343.3
TCO M3	$ 0.5	$ 0.3	$ -	$ -	$ 0.4	$ 0.2	$ 0.0	$ -	$ -	$ -	$ -	$ 0.7	$ 2.2
Tetco M2	$ 59.6	$ 78.6	$ 80.0	$ 77.2	$ 70.7	$ 55.0	$ 45.4	$ 41.6	$ 41.7	$ 42.8	$ 33.4	$ 35.5	$ 661.5
TetcoM2/M3	$ 36.9	$ 48.6	$ 53.1	$ 48.1	$ 41.0	$ 34.3	$ 24.5	$ 27.2	$ 27.9	$ 26.8	$ 16.8	$ 35.9	$ 421.2
Transco Leidy	$ 0.5	$ 0.7	$ 1.8	$ 1.2	$ 0.5	$ 0.5	$ 0.4	$ 0.3	$ 0.3	$ 0.3	$ 0.4	$ 0.4	$ 7.3
Zone 4	$ 31.3	$ 40.4	$ 56.7	$ 52.0	$ 34.0	$ 12.5	$ 5.8	$ 2.2	$ 0.7	$ 1.6	$ 4.1	$ 16.9	$ 258.1
Zone 4 CXN	$ 16.0	$ 33.9	$ 39.1	$ 35.6	$ 28.0	$ 12.4	$ 5.2	$ 2.7	$ 3.1	$ 2.6	$ 6.2	$ 10.0	$ 194.9
Grand Total	[redacted]												

REDACTED

National Grid Rhode Island
Storage Variable Costs
Normal Year
($000)

Storage Costs	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Grand Total
C9630_FSS	$ -	$ 0.7	$ 0.9	$ 0.9	$ 0.5	$ -	$ -	$ 0.7	$ 0.8	$ 0.8	$ 0.5	$ 0.3	$ 6.1
D300168_GSS	$ -	$ 0.7	$ 0.7	$ 0.6	$ 0.3	$ -	$ 0.8	$ 0.7	$ 0.7	$ 0.7	$ 0.6	$ 0.6	$ 6.3
D300169_GSS	$ -	$ 0.8	$ 1.0	$ 0.9	$ 0.6	$ 0.4	$ 1.0	$ 1.0	$ 0.9	$ 0.9	$ 0.8	$ 0.8	$ 9.1
D300170_GSS	$ -	$ 2.1	$ 1.9	$ 1.4	$ 0.2	$ -	$ 2.4	$ 2.2	$ -	$ 1.5	$ 2.0	$ 1.9	$ 15.5
D300171_GSS	$ -	$ 0.5	$ 1.0	$ 1.0	$ 0.5	$ 0.4	$ 0.9	$ 0.9	$ 0.9	$ 0.8	$ 0.7	$ 0.7	$ 8.4
D600045GSSTE	$ 1.3	$ 1.4	$ 1.4	$ 1.3	$ 1.4	$ 1.4	$ -	$ 1.2	$ -	$ -	$ 5.4	$ 5.2	$ 20.2
T501_FSMA	$ -	$ 1.0	$ 0.7	$ 0.9	$ 1.7	$ -	$ 1.1	$ 1.1	$ -	$ 0.2	$ 1.1	$ 1.1	$ 8.9
T62918_FSMA	$ -	$ 0.2	$ 0.6	$ 0.4	$ 0.6	$ -	$ 0.4	$ 0.4	$ -	$ 0.3	$ 0.4	$ 0.4	$ 3.6
Te400185_SS1	$ -	$ 0.7	$ 1.0	$ 1.0	$ 0.4	$ 0.1	$ 0.3	$ 0.3	$ 0.3	$ 0.3	$ 0.3	$ 0.3	$ 5.0
Te400221_SS1	$ -	$ 17.0	$ 24.9	$ 22.3	$ 9.6	$ 1.3	$ 6.7	$ 6.5	$ 6.7	$ 6.7	$ 6.5	$ 6.7	$ 114.8
Te400515FSS1	$ -	$ 0.2	$ 0.8	$ 0.8	$ 0.2	$ 0.1	$ 0.3	$ 0.3	$ 0.3	$ 0.3	$ 0.3	$ 0.3	$ 3.9
Grand Total	**$ 1.3**	**$ 25.2**	**$ 35.0**	**$ 31.7**	**$ 16.1**	**$ 3.6**	**$ 13.9**	**$ 15.2**	**$ 10.6**	**$ 12.4**	**$ 18.5**	**$ 18.3**	**$ 201.8**

REDACTED

National Grid Rhode Island
Storage Variable Costs
Normal Year
($000)

Withdrawal Value

	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Grand Total
C9630_FSS	$ -	$ 97.1	$ 132.6	$ 122.2	$ 76.5	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 428.5
D300168_GSS	$ -	$ 100.5	$ 103.8	$ 87.6	$ 39.5	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 331.4
D300169_GSS	$ -	$ 96.6	$ 128.0	$ 112.3	$ 77.1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 414.0
D300170_GSS	$ -	$ 283.1	$ 255.7	$ 198.2	$ 31.5	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 768.6
D300171_GSS	$ -	$ 66.9	$ 129.9	$ 123.4	$ 58.6	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 378.8
D600045GSSTE	$ 133.9	$ 143.2	$ 143.2	$ 133.9	$ 143.2	$ 138.5	$ -	$ -	$ -	$ -	$ -	$ -	$ 835.9
LNG_Exeter	$ 27.9	$ 28.8	$ 28.8	$ 138.1	$ 28.8	$ 27.5	$ 27.9	$ 26.8	$ 27.6	$ 27.6	$ 26.4	$ 26.8	$ 443.1
LNG_Prov	$ 47.8	$ 49.4	$ 817.0	$ 394.2	$ 49.4	$ 46.0	$ 45.1	$ 42.6	$ 43.7	$ 43.7	$ 42.2	$ 43.6	$ 1,664.7
T501_FSMA	$ -	$ 257.8	$ 173.7	$ 238.4	$ 433.9	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 1,103.8
T62918_FSMA	$ -	$ 38.6	$ 148.1	$ 109.5	$ 159.1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 455.3
Te400185_SS1	$ -	$ 23.2	$ 33.0	$ 33.8	$ 14.2	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 104.2
Te400221_SS1	$ -	$ 551.9	$ 809.9	$ 725.0	$ 311.5	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 2,398.3
Te400515FSS1	$ -	$ 9.6	$ 44.4	$ 46.4	$ 11.1	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 111.5
Grand Total	**$ 209.7**	**$ 1,746.8**	**$ 2,948.3**	**$ 2,463.0**	**$ 1,434.3**	**$ 212.0**	**$ 73.1**	**$ 69.4**	**$ 71.3**	**$ 71.3**	**$ 68.6**	**$ 70.3**	**$ 9,438.1**

Injection Value

	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Grand Total
C9630_FSS	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 109.7	$ 110.6	$ 112.1	$ 69.7	$ 39.1	$ 441.2
D300168_GSS	$ -	$ -	$ -	$ -	$ -	$ -	$ 59.1	$ 55.8	$ 55.7	$ 52.1	$ 44.7	$ 44.5	$ 312.0
D300169_GSS	$ -	$ -	$ -	$ -	$ -	$ 32.4	$ 73.3	$ 69.1	$ 69.2	$ 64.4	$ 54.6	$ 55.3	$ 418.3
D300170_GSS	$ -	$ -	$ -	$ -	$ -	$ -	$ 186.8	$ 170.5	$ -	$ 114.0	$ 144.4	$ 142.5	$ 758.3
D300171_GSS	$ -	$ -	$ -	$ -	$ -	$ 29.6	$ 67.1	$ 63.3	$ 63.4	$ 59.0	$ 50.0	$ 50.6	$ 383.2
D600045GSSTE	$ -	$ -	$ -	$ -	$ -	$ -	$ -	$ 85.5	$ -	$ -	$ 362.4	$ 362.2	$ 810.1
LNG_Exeter	[redacted]												
LNG_Prov	[redacted]												
T501_FSMA	$ -	$ -	$ -	$ -	$ -	$ -	$ 276.3	$ 266.9	$ -	$ 49.1	$ 252.2	$ 265.9	$ 1,110.5
T62918_FSMA	$ -	$ -	$ -	$ -	$ -	$ -	$ 95.9	$ 92.6	$ -	$ 81.3	$ 87.5	$ 92.2	$ 449.4
Te400185_SS1	$ -	$ -	$ -	$ -	$ -	$ 3.6	$ 17.1	$ 16.5	$ 17.5	$ 17.2	$ 15.4	$ 16.5	$ 104.0
Te400221_SS1	$ -	$ -	$ -	$ -	$ -	$ 79.2	$ 392.0	$ 378.5	$ 400.3	$ 394.3	$ 353.4	$ 378.0	$ 2,375.6
Te400515FSS1	$ -	$ -	$ -	$ -	$ -	$ 3.8	$ 18.7	$ 18.0	$ 19.1	$ 18.8	$ 16.8	$ 18.0	$ 113.3
Grand Total	[redacted]												

National Grid Rhode Island
Transportation Fixed Costs
Normal Year
($000)

REDACTED

Transportation Costs	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Grand Total
Dawn to E.Here	$ 1,157.4	$ 1,157.4	$ 1,157.4	$ 1,157.4	$ 1,157.4	$ 1,157.4	$ 1,157.4	$ 1,157.4	$ 1,157.4	$ 1,157.4	$ 1,157.4	$ 1,157.4	$ 13,888.8
Dawn to WADDY	$ 24.0	$ 24.0	$ 24.0	$ 24.0	$ 24.0	$ 24.0	$ 24.0	$ 24.0	$ 24.0	$ 24.0	$ 24.0	$ 24.0	$ 287.5
Dominion SP	$ 6.5	$ 6.5	$ 6.5	$ 6.5	$ 6.5	$ 6.5	$ 6.5	$ 6.5	$ 6.5	$ 6.5	$ 6.5	$ 6.5	$ 78.3
Dracut	$ 92.9	$ 92.9	$ 92.9	$ 92.9	$ 92.9	$ 92.9	$ 92.9	$ 92.9	$ 92.9	$ 92.9	$ 92.9	$ 92.9	$ 1,114.3
Everett	$ 116.1	$ 116.1	$ 116.1	$ 116.1	$ 116.1	$ 116.1	$ 116.1	$ 116.1	$ 116.1	$ 116.1	$ 116.1	$ 116.1	$ 1,392.9
LNG													
Manchester Lateral	$ 262.8	$ 262.8	$ 262.8	$ 262.8	$ 262.8	$ 262.8	$ 262.8	$ 262.8	$ 262.8	$ 262.8	$ 262.8	$ 262.8	$ 3,153.6
Millennium/AIM	$ 924.2	$ 924.2	$ 924.2	$ 924.2	$ 924.2	$ 924.2	$ 924.2	$ 924.2	$ 924.2	$ 924.2	$ 924.2	$ 924.2	$ 11,090.1
Niagara	$ 7.5	$ 7.5	$ 7.5	$ 7.5	$ 7.5	$ 7.5	$ 7.5	$ 7.5	$ 7.5	$ 7.5	$ 7.5	$ 7.5	$ 89.7
Proposed CNG/LNG													
Storage Delivery	$ 348.7	$ 348.7	$ 348.7	$ 348.7	$ 348.7	$ 323.3	$ 323.3	$ 323.3	$ 323.3	$ 323.3	$ 323.3	$ 323.3	$ 4,006.6
TCO App	$ 252.7	$ 252.7	$ 252.7	$ 252.7	$ 252.7	$ 252.7	$ 252.7	$ 252.7	$ 252.7	$ 252.7	$ 252.7	$ 252.7	$ 3,032.5
TCO App/M3/Storage	$ 355.2	$ 355.2	$ 355.2	$ 355.2	$ 355.2	$ 355.2	$ 355.2	$ 355.2	$ 355.2	$ 355.2	$ 355.2	$ 355.2	$ 4,262.6
TCO M3	$ 46.9	$ 46.9	$ 46.9	$ 46.9	$ 46.9	$ 46.9	$ 46.9	$ 46.9	$ 46.9	$ 46.9	$ 46.9	$ 46.9	$ 562.4
Tetco M2	$ 547.7	$ 547.7	$ 547.7	$ 547.7	$ 547.7	$ 547.7	$ 547.7	$ 547.7	$ 547.7	$ 547.7	$ 547.7	$ 547.7	$ 6,573.0
TetcoM2/M3	$ 368.3	$ 368.3	$ 368.3	$ 368.3	$ 368.3	$ 368.3	$ 368.3	$ 368.3	$ 368.3	$ 368.3	$ 368.3	$ 368.3	$ 4,420.1
Transco Leidy	$ 9.7	$ 9.7	$ 9.7	$ 9.7	$ 9.7	$ 9.7	$ 9.7	$ 9.7	$ 9.7	$ 9.7	$ 9.7	$ 9.7	$ 116.2
Yankee Interconnect													
Zone 4	$ 616.3	$ 616.3	$ 616.3	$ 616.3	$ 616.3	$ 616.3	$ 616.3	$ 616.3	$ 616.3	$ 616.3	$ 616.3	$ 616.3	$ 7,395.7
Zone 4 CXN	$ 263.9	$ 263.9	$ 263.9	$ 263.9	$ 263.9	$ 263.9	$ 263.9	$ 263.9	$ 263.9	$ 263.9	$ 263.9	$ 263.9	$ 3,167.3
Grand Total													

REDACTED

National Grid Rhode Island
Storage Fixed Costs
Normal Year
($000)

Storage Costs	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Grand Total
C9630_FSS	$ 9.7	$ 9.7	$ 9.7	$ 9.7	$ 9.7	$ 9.7	$ 9.7	$ 9.7	$ 9.7	$ 9.7	$ 9.7	$ 9.7	$ 116.3
D300168_GSS	$ 4.8	$ 4.8	$ 4.8	$ 4.8	$ 4.8	$ 4.8	$ 4.8	$ 4.8	$ 4.8	$ 4.8	$ 4.8	$ 4.8	$ 58.2
D300169_GSS	$ 6.8	$ 6.8	$ 6.8	$ 6.8	$ 6.8	$ 6.8	$ 6.8	$ 6.8	$ 6.8	$ 6.8	$ 6.8	$ 6.8	$ 82.0
D300170_GSS	$ 15.9	$ 15.9	$ 15.9	$ 15.9	$ 15.9	$ 15.9	$ 15.9	$ 15.9	$ 15.9	$ 15.9	$ 15.9	$ 15.9	$ 191.2
D300171_GSS	$ 7.6	$ 7.6	$ 7.6	$ 7.6	$ 7.6	$ 7.6	$ 7.6	$ 7.6	$ 7.6	$ 7.6	$ 7.6	$ 7.6	$ 91.5
D600045GSSTE	$ 43.8	$ 43.8	$ 43.8	$ 43.8	$ 43.8	$ 43.8	$ 43.8	$ 43.8	$ 43.8	$ 43.8	$ 43.8	$ 43.8	$ 525.7
LNG_Prov	$ 129.6	$ 129.6	$ 129.6	$ 129.6	$ 129.6	$ 129.6	$ 129.6	$ 129.6	$ 129.6	$ 129.6	$ 129.6	$ 129.6	$ 1,554.6
T501_FSMA	$ 28.1	$ 28.1	$ 28.1	$ 28.1	$ 28.1	$ 28.1	$ 28.1	$ 28.1	$ 28.1	$ 28.1	$ 28.1	$ 28.1	$ 337.0
T62918_FSMA	$ 19.2	$ 19.2	$ 19.2	$ 19.2	$ 19.2	$ 19.2	$ 19.2	$ 19.2	$ 19.2	$ 19.2	$ 19.2	$ 19.2	$ 230.3
Te400185_SS1	$ 4.2	$ 4.2	$ 4.2	$ 4.2	$ 4.2	$ 4.2	$ 4.2	$ 4.2	$ 4.2	$ 4.2	$ 4.2	$ 4.2	$ 50.4
Te400221_SS1	$ 90.1	$ 90.1	$ 90.1	$ 90.1	$ 90.1	$ 90.1	$ 90.1	$ 90.1	$ 90.1	$ 90.1	$ 90.1	$ 90.1	$ 1,081.6
Te400515FSS1	$ 1.5	$ 1.5	$ 1.5	$ 1.5	$ 1.5	$ 1.5	$ 1.5	$ 1.5	$ 1.5	$ 1.5	$ 1.5	$ 1.5	$ 17.5
Grand Total	**$ 361.4**	**$ 361.4**	**$ 361.4**	**$ 361.4**	**$ 361.4**	**$ 361.4**	**$ 361.4**	**$ 361.4**	**$ 361.4**	**$ 361.4**	**$ 361.4**	**$ 361.4**	**$ 4,336.3**

REDACTED

National Grid Rhode Island
Supply Fixed Costs
Normal Year
($000)

Supply Costs	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Grand Total
Everett Supply Deal	[redacted]												
Proposed Citygate Peaking	[redacted]												
Proposed Everett Supply Deal	[redacted]												
Proposed Summer Trucking	[redacted]												
Proposed Supply Deal	[redacted]												
Proposed Winter Trucking	[redacted]												
Grand Total	[redacted]												

REDACTED

PRELIMINARY **PRELIMINARY**

12 Month Forward Pricing

National Grid
Summary of Transportation Capacity Release
Pipeline Path Availability and Pricing
November 2019 - October 2020

Path to City Gate	As of 6/1/19 Existing Releases	Total Available	Remaining Available	Cost per Dth	New Credit or Surcharge	Old Credit or Surcharge
Company Weighted Average				**$0.6612**		
Tennessee - Zone 1	9,499	9,500	1	$1.0107	($0.3495)	($0.2605)
Tennessee - Dracut	475	1,000	525	$1.9356	($1.2744)	($1.4999)
Algonquin at Lambertville, NJ	2,588	2,714	126	$0.5603	$0.1009	$0.2501
Texas Eastern - South Texas	4,044	4,044	0	$1.1307	($0.4695)	($0.3887)
Texas Eastern - West Louisiana	8,499	8,500	1	$0.9319	($0.2707)	($0.1081)
Texas Eastern - East Louisiana	6,499	6,500	1	$0.8022	($0.1410)	($0.0154)
Columbia - Maumee & Pennsburg*	3,000	3,000	0	$0.3206	$0.3406	$0.4991
Totals:	34,604	35,258	654			

* Note: Marketers selecting this path are assigned 5/6 of the amount selected at the Maumee, OH receipt point into Columbia and 1/6 at the Pennsburg, PA Receipt into Columbia.

REDACTED

TEXAS EASTERN SOUTH TEXAS SUPPLY PATH COST MATRIX
CITY GATE DELIVERED MDQ = 4,044

		NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	TOTAL
UNIT PRICING														
FIXED														
TETCO STX SUPPLY ZONE DEMAND	$/Dth	$6.8050	$6.8050	$6.8050	$6.8050	$6.8050	$6.8050	$6.8050	$6.8050	$6.8050	$6.8050	$6.8050	$6.8050	
TECCO WLA SUPPLY ZONE DEMAND	$/Dth	$2.8260	$2.8260	$2.8260	$2.8260	$2.8260	$2.8260	$2.8260	$2.8260	$2.8260	$2.8260	$2.8260	$2.8260	
TETCO ELA SUPPLY ZONE DEMAND	$/Dth	$2.3750	$2.3750	$2.3750	$2.3750	$2.3750	$2.3750	$2.3750	$2.3750	$2.3750	$2.3750	$2.3750	$2.3750	
TETCO M1 TO M3 DEMAND	$/Dth	$10.7930	$10.7930	$10.7930	$10.7930	$10.7930	$10.7930	$10.7930	$10.7930	$10.7930	$10.7930	$10.7930	$10.7930	
ALGONQUIN AFT-E DEMAND	$/Dth	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	
VARIABLE														
TETCO USAGE STX TO M3	$/Dth	$0.1116	$0.1116	$0.1116	$0.1116	$0.1116	$0.1116	$0.1116	$0.1116	$0.1116	$0.1116	$0.1116	$0.1116	
ALGONQUIN USAGE	$/Dth	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	
06/10/2019 NYMEX	$/Dth	$2.4670	$2.6670	$2.7830	$2.7580	$2.6830	$2.4880	$2.4670	$2.5020	$2.5400	$2.5510	$2.5370	$2.5590	
SUPPLY AREA BASIS	$/Dth	($0.1150)	($0.1200)	($0.1200)	($0.0950)	($0.0950)	($0.1150)	($0.1150)	($0.1200)	($0.1250)	($0.1250)	($0.1200)	($0.1200)	
NET COST AFTER BASIS	$/Dth	$2.3520	$2.5470	$2.6630	$2.6630	$2.5880	$2.3730	$2.3520	$2.3820	$2.4150	$2.4260	$2.4170	$2.4390	
BILLING UNITS														
FIXED														
TETCO STX SUPPLY ZONE DEMAND	$/Dth	4,065	4,070	4,070	4,070	4,070	4,065	4,065	4,065	4,065	4,065	4,065	4,065	
TECCO WLA SUPPLY ZONE DEMAND	$/Dth	4,065	4,070	4,070	4,070	4,070	4,065	4,065	4,065	4,065	4,065	4,065	4,065	
TETCO ELA SUPPLY ZONE DEMAND	$/Dth	4,065	4,070	4,070	4,070	4,070	4,065	4,065	4,065	4,065	4,065	4,065	4,065	
TETCO M1 TO M3 DEMAND	$/Dth	4,065	4,070	4,070	4,070	4,070	4,065	4,065	4,065	4,065	4,065	4,065	4,065	
ALGONQUIN AFT-E DEMAND	$/Dth	4,044	4,044	4,044	4,044	4,044	4,044	4,044	4,044	4,044	4,044	4,044	4,044	48,528
VARIABLE														
PURCHASE VOLUMES	Dth	125,908	131,470	131,470	118,747	131,470	125,908	130,105	125,908	130,105	130,105	125,908	130,105	1,537,208
TETCO USAGE STX TO M3	Dth	121,942	126,171	126,171	113,961	126,171	121,942	126,007	121,942	126,007	126,007	121,942	126,007	1,484,270
ALGONQUIN USAGE	Dth	121,320	125,364	125,364	113,232	125,364	121,320	125,364	121,320	125,364	125,364	121,320	125,364	1,476,060
DELIVERED VOLUMES	Dth	121,320	125,364	125,364	113,232	125,364	121,320	125,364	121,320	125,364	125,364	121,320	125,364	1,476,060
FUEL USE %														
TETCO STX TO M3 FUEL	%	3.150%	4.030%	4.030%	4.030%	4.030%	3.150%	3.150%	3.150%	3.150%	3.150%	3.150%	3.150%	
ALGONQUIN AFT-E FUEL	%	0.510%	0.640%	0.640%	0.640%	0.640%	0.510%	0.510%	0.510%	0.510%	0.510%	0.510%	0.510%	
TRANSPORTATION COST														
FIXED														
TETCO STX SUPPLY ZONE DEMAND	$	$27,660	$27,697	$27,697	$27,697	$27,697	$27,660	$27,660	$27,660	$27,660	$27,660	$27,660	$27,660	$332,071
TECCO WLA SUPPLY ZONE DEMAND	$	$11,487	$11,502	$11,502	$11,502	$11,502	$11,487	$11,487	$11,487	$11,487	$11,487	$11,487	$11,487	$137,903
TETCO ELA SUPPLY ZONE DEMAND	$	$9,654	$9,666	$9,666	$9,666	$9,666	$9,654	$9,654	$9,654	$9,654	$9,654	$9,654	$9,654	$115,895
TETCO M1 TO M3 DEMAND	$	$43,871	$43,928	$43,928	$43,928	$43,928	$43,871	$43,871	$43,871	$43,871	$43,871	$43,871	$43,871	$526,677
ALGONQUIN AFT-E DEMAND	$	$26,583	$26,583	$26,583	$26,583	$26,583	$26,583	$26,583	$26,583	$26,583	$26,583	$26,583	$26,583	$318,994
VARIABLE														
TETCO USAGE STX TO M3	$	$13,609	$14,081	$14,081	$12,718	$14,081	$13,609	$14,062	$13,609	$14,062	$14,062	$13,609	$14,062	$165,645
ALGONQUIN USAGE	$	$7,461	$7,710	$7,710	$6,964	$7,710	$7,461	$7,710	$7,461	$7,710	$7,710	$7,461	$7,710	$90,778
PURCHASE COST	$	$296,136	$334,853	$350,104	$316,223	$340,244	$298,780	$306,007	$299,913	$314,203	$315,635	$304,320	$317,326	$3,793,742
TOTAL FIXED	$	$119,255	$119,376	$119,376	$119,376	$119,376	$119,255	$119,255	$119,255	$119,255	$119,255	$119,255	$119,255	$1,431,540
TOTAL VARIABLE	$	$317,206	$356,644	$371,895	$335,905	$362,034	$319,850	$327,779	$320,983	$335,976	$337,407	$325,390	$339,098	$4,050,165
DELIVERED COST AT NYMEX	$	$299,296	$334,346	$348,888	$312,294	$336,352	$301,844	$309,273	$303,543	$318,425	$319,804	$307,789	$320,806	$3,812,659
NET NON-GAS VARIABLE COST	$	$17,909	$22,298	$23,006	$23,611	$25,683	$18,005	$18,506	$17,440	$17,551	$17,603	$17,601	$18,292	$237,506
AVERAGE NON-GAS VARIABLE COST	$/Dth	**$0.1476**	**$0.1779**	**$0.1835**	**$0.2085**	**$0.2049**	**$0.1484**	**$0.1476**	**$0.1438**	**$0.1400**	**$0.1404**	**$0.1451**	**$0.1459**	**$0.1609**
AVERAGE FIXED COST	$/Dth													$29.4993
AVERAGE COST AT 100% LOAD FACTOR	$/Dth													**$0.9698**
TOTAL PATH COST	$/Dth													**$1.1307**

REDACTED

TEXAS EASTERN WEST LOUISIANA SUPPLY PATH TO ALGONQUIN CITY GATE
CITY GATE DELIVERED MDQ = 8,500

		NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	TOTAL
UNIT PRICING														
FIXED														
TETCO WLA SUPPLY ZONE DEMAND	$/Dth	$2.8260	$2.8260	$2.8260	$2.8260	$2.8260	$2.8260	$2.8260	$2.8260	$2.8260	$2.8260	$2.8260	$2.8260	
TETCO ELA SUPPLY ZONE DEMAND	$/Dth	$2.3750	$2.3750	$2.3750	$2.3750	$2.3750	$2.3750	$2.3750	$2.3750	$2.3750	$2.3750	$2.3750	$2.3750	
TETCO M1 TO M3 DEMAND	$/Dth	$10.7930	$10.7930	$10.7930	$10.7930	$10.7930	$10.7930	$10.7930	$10.7930	$10.7930	$10.7930	$10.7930	$10.7930	
ALGONQUIN AFT-E DEMAND	$/Dth	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	
VARIABLE														
TETCO USAGE WLA TO M3	$/Dth	$0.1076	$0.1076	$0.1076	$0.1076	$0.1076	$0.1076	$0.1076	$0.1076	$0.1076	$0.1076	$0.1076	$0.1076	
ALGONQUIN USAGE	$/Dth	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	
06/10/2019 NYMEX	$/Dth	$2.4670	$2.6670	$2.7830	$2.7580	$2.6830	$2.4880	$2.4670	$2.5020	$2.5400	$2.5510	$2.5370	$2.5590	
SUPPLY AREA BASIS	$/Dth	($0.0760)	($0.0970)	($0.1030)	($0.0800)	($0.0700)	($0.0780)	($0.0730)	($0.0910)	($0.0880)	($0.0880)	($0.0640)	($0.0770)	
NET COST AFTER BASIS	$/Dth	$2.3910	$2.5700	$2.6800	$2.6780	$2.6130	$2.4100	$2.3940	$2.4110	$2.4520	$2.4630	$2.4730	$2.4820	
BILLING UNITS														
FIXED														
TETCO WLA SUPPLY ZONE DEMAND	Dth	8,544	8,555	8,555	8,555	8,555	8,544	8,544	8,544	8,544	8,544	8,544	8,544	
TETCO ELA SUPPLY ZONE DEMAND	Dth	8,544	8,555	8,555	8,555	8,555	8,544	8,544	8,544	8,544	8,544	8,544	8,544	
TETCO M1 TO M3 DEMAND	Dth	8,544	8,555	8,555	8,555	8,555	8,544	8,544	8,544	8,544	8,544	8,544	8,544	
ALGONQUIN AFT-E DEMAND	Dth	8,500	8,500	8,500	8,500	8,500	8,500	8,500	8,500	8,500	8,500	8,500	8,500	102,000
VARIABLE														
PURCHASE VOLUMES	Dth	264,289	275,644	275,644	248,969	275,644	264,289	273,098	264,289	273,098	273,098	264,289	273,098	3,225,449
TETCO USAGE WLA TO M3	Dth	256,307	265,197	265,197	239,533	265,197	256,307	264,851	256,307	264,851	264,851	256,307	264,851	3,119,756
ALGONQUIN USAGE	Dth	255,000	263,500	263,500	238,000	263,500	255,000	263,500	255,000	263,500	263,500	255,000	263,500	3,102,500
DELIVERED VOLUMES	Dth	255,000	263,500	263,500	238,000	263,500	255,000	263,500	255,000	263,500	263,500	255,000	263,500	3,102,500
FUEL USE %														
TETCO WLA TO M3 FUEL	%	3.020%	3.790%	3.790%	3.790%	3.790%	3.020%	3.020%	3.020%	3.020%	3.020%	3.020%	3.020%	
ALGONQUIN AFT-E FUEL	%	0.510%	0.640%	0.640%	0.640%	0.640%	0.510%	0.510%	0.510%	0.510%	0.510%	0.510%	0.510%	
TRANSPORTATION COST														
FIXED														
TETCO WLA SUPPLY ZONE DEMAND	$	$24,144	$24,176	$24,176	$24,176	$24,176	$24,144	$24,144	$24,144	$24,144	$24,144	$24,144	$24,144	$289,856
TETCO ELA SUPPLY ZONE DEMAND	$	$20,291	$20,318	$20,318	$20,318	$20,318	$20,291	$20,291	$20,291	$20,291	$20,291	$20,291	$20,291	$243,598
TETCO M1 TO M3 DEMAND	$	$92,211	$92,331	$92,331	$92,331	$92,331	$92,211	$92,211	$92,211	$92,211	$92,211	$92,211	$92,211	$1,107,012
ALGONQUIN AFT-E DEMAND	$	$55,874	$55,874	$55,874	$55,874	$55,874	$55,874	$55,874	$55,874	$55,874	$55,874	$55,874	$55,874	$670,487
VARIABLE														
TETCO USAGE WLA TO M3	$	$27,579	$28,535	$28,535	$25,774	$28,535	$27,579	$28,498	$27,579	$28,498	$28,498	$27,579	$28,498	$335,686
ALGONQUIN USAGE	$	$15,683	$16,205	$16,205	$14,637	$16,205	$15,683	$16,205	$15,683	$16,205	$16,205	$15,683	$16,205	$190,804
PURCHASE COST	$	$631,914	$708,406	$738,726	$666,739	$720,258	$636,936	$653,797	$637,200	$669,637	$672,641	$653,586	$677,830	$8,067,670
TOTAL FIXED	$	$192,520	$192,699	$192,699	$192,699	$192,699	$192,520	$192,520	$192,520	$192,520	$192,520	$192,520	$192,520	$2,310,953
TOTAL VARIABLE	$	$675,175	$753,146	$783,467	$707,150	$764,999	$680,197	$698,501	$680,461	$714,340	$717,344	$696,847	$722,533	$8,594,160
DELIVERED VOLUMES AT NYMEX	$	$629,085	$702,755	$733,321	$656,404	$706,971	$634,440	$650,055	$638,010	$669,290	$672,189	$646,935	$674,297	$8,013,749
NET NON-GAS VARIABLE COST	$	$46,090	$50,392	$50,146	$50,746	$58,028	$45,757	$48,446	$42,451	$45,050	$45,156	$49,912	$48,237	$580,411
AVERAGE NON-GAS VARIABLE COST	$/Dth	**$0.1807**	**$0.1912**	**$0.1903**	**$0.2132**	**$0.2202**	**$0.1794**	**$0.1839**	**$0.1665**	**$0.1710**	**$0.1714**	**$0.1957**	**$0.1831**	**$0.1871**
AVERAGE FIXED COST	$/Dth													$22.6564
AVERAGE COST AT 100% LOAD FACTOR	$/Dth													**$0.7449**
TOTAL PATH COST	$/Dth													**$0.9319**

REDACTED

TEXAS EASTERN EAST LOUISIANA SUPPLY PATH TO ALGONQUIN CITY GATE
CITY GATE DELIVERED MDQ = 6,500

UNIT PRICING

		NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	TOTAL
FIXED														
TETCO ELA SUPPLY ZONE DEMAND	$/Dth	$2.3750	$2.3750	$2.3750	$2.3750	$2.3750	$2.3750	$2.3750	$2.3750	$2.3750	$2.3750	$2.3750	$2.3750	
TETCO M1 TO M3 DEMAND	$/Dth	$10.7930	$10.7930	$10.7930	$10.7930	$10.7930	$10.7930	$10.7930	$10.7930	$10.7930	$10.7930	$10.7930	$10.7930	
ALGONQUIN AFT-E DEMAND	$/Dth	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	
VARIABLE														
TETCO USAGE ELA TO M3	$/Dth	$0.1061	$0.1061	$0.1061	$0.1061	$0.1061	$0.1061	$0.1061	$0.1061	$0.1061	$0.1061	$0.1061	$0.1061	
ALGONQUIN USAGE	$/Dth	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	
06/10/2019 NYMEX	$/Dth	$2.4670	$2.6670	$2.7830	$2.7580	$2.6830	$2.4880	$2.4670	$2.5020	$2.5400	$2.5510	$2.5370	$2.5590	
SUPPLY AREA BASIS	$/Dth	($0.1150)	($0.1200)	($0.1200)	($0.0950)	($0.0950)	($0.1150)	($0.1150)	($0.1200)	($0.1250)	($0.1250)	($0.1200)	($0.1200)	
NET COST AFTER BASIS	$/Dth	$2.3520	$2.5470	$2.6630	$2.6630	$2.5880	$2.3730	$2.3520	$2.3820	$2.4150	$2.4260	$2.4170	$2.4390	

BILLING UNITS

FIXED														
TETCO ELA SUPPLY ZONE DEMAND	Dth	6,533	6,542	6,542	6,542	6,542	6,533	6,533	6,533	6,533	6,533	6,533	6,533	
TETCO M1 TO M3 DEMAND	Dth	6,533	6,542	6,542	6,542	6,542	6,533	6,533	6,533	6,533	6,533	6,533	6,533	
ALGONQUIN AFT-E DEMAND	Dth	6,500	6,500	6,500	6,500	6,500	6,500	6,500	6,500	6,500	6,500	6,500	6,500	78,000
VARIABLE														
PURCHASE VOLUMES	Dth	202,082	210,809	210,809	190,408	210,809	202,082	208,818	202,082	208,818	208,818	202,082	208,818	2,466,436
TETCO USAGE ELA TO M3	Dth	196,000	202,798	202,798	183,172	202,798	196,000	202,533	196,000	202,533	202,533	196,000	202,533	2,385,696
ALGONQUIN USAGE	Dth	195,000	201,500	201,500	182,000	201,500	195,000	201,500	195,000	201,500	201,500	195,000	201,500	2,372,500
DELIVERED VOLUMES	Dth	195,000	201,500	201,500	182,000	201,500	195,000	201,500	195,000	201,500	201,500	195,000	201,500	2,372,500

FUEL USE %

TETCO ELA TO M3 FUEL	%	3.010%	3.800%	3.800%	3.800%	3.800%	3.010%	3.010%	3.010%	3.010%	3.010%	3.010%	3.010%	
ALGONQUIN AFT-E FUEL	%	0.510%	0.640%	0.640%	0.640%	0.640%	0.510%	0.510%	0.510%	0.510%	0.510%	0.510%	0.510%	

TRANSPORTATION COST

FIXED														
TETCO ELA SUPPLY ZONE DEMAND	$	$15,517	$15,537	$15,537	$15,537	$15,537	$15,517	$15,517	$15,517	$15,517	$15,517	$15,517	$15,517	$186,281
TETCO M1 TO M3 DEMAND	$	$70,514	$70,606	$70,606	$70,606	$70,606	$70,514	$70,514	$70,514	$70,514	$70,514	$70,514	$70,514	$846,538
ALGONQUIN AFT-E DEMAND	$	$42,727	$42,727	$42,727	$42,727	$42,727	$42,727	$42,727	$42,727	$42,727	$42,727	$42,727	$42,727	$512,725
VARIABLE														
TETCO USAGE ELA TO M3	$	$20,796	$21,517	$21,517	$19,435	$21,517	$20,796	$21,489	$20,796	$21,489	$21,489	$20,796	$21,489	$253,122
ALGONQUIN USAGE	$	$11,993	$12,392	$12,392	$11,193	$12,392	$11,993	$12,392	$11,993	$12,392	$12,392	$11,993	$12,392	$145,909
PURCHASE COST	$	$475,298	$536,930	$561,383	$507,056	$545,573	$479,541	$491,141	$481,360	$504,296	$506,593	$488,433	$509,308	$6,086,912
TOTAL FIXED	$	$128,758	$128,870	$128,870	$128,870	$128,870	$128,758	$128,758	$128,758	$128,758	$128,758	$128,758	$128,758	$1,545,545
TOTAL VARIABLE	$	$508,086	$570,839	$595,293	$537,684	$579,482	$512,329	$525,022	$514,148	$538,177	$540,474	$521,221	$543,189	$6,485,943
DELIVERED VOLUMES AT NYMEX	$	$481,065	$537,401	$560,775	$501,956	$540,625	$485,160	$497,101	$487,890	$511,810	$514,027	$494,715	$515,639	$6,128,161
NET NON-GAS VARIABLE COST	$	$27,021	$33,438	$34,518	$35,728	$38,857	$27,169	$27,921	$26,258	$26,367	$26,448	$26,506	$27,550	$357,782
AVERAGE NON-GAS VARIABLE COST	$/Dth	**$0.1386**	**$0.1659**	**$0.1713**	**$0.1963**	**$0.1928**	**$0.1393**	**$0.1386**	**$0.1347**	**$0.1309**	**$0.1313**	**$0.1359**	**$0.1367**	**$0.1508**
AVERAGE FIXED COST	$/Dth													$19.8147
AVERAGE COST AT 100% LOAD FACTOR	$/Dth													**$0.6514**
TOTAL PATH COST	$/Dth													**$0.8022**

REDACTED

MAUMEE/PENNSBURG COLUMBIA PATH TO CITY GATE
CITY GATE DELIVERED MDQ = 3,000

		NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	TOTAL
UNIT PRICING														
FIXED														
COLUMBIA FTS DEMAND	$/Dth	$6.7720	$6.7720	$6.7720	$6.7720	$6.7720	$6.7720	$6.7720	$6.7720	$6.7720	$6.7720	$6.7720	$6.7720	
ALGONQUIN DEMAND	$/Dth	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	
VARIABLE														
COLUMBIA USAGE	$/Dth	$0.0177	$0.0177	$0.0177	$0.0177	$0.0177	$0.0177	$0.0177	$0.0177	$0.0177	$0.0177	$0.0177	$0.0177	
ALGONQUIN USAGE	$/Dth	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	
06/10/2019 NYMEX	$/Dth	$2.4670	$2.6670	$2.7830	$2.7580	$2.6830	$2.4880	$2.4670	$2.5020	$2.5400	$2.5510	$2.5370	$2.5590	
SUPPLY BASIS MAUMEE	$/Dth	($0.2650)	($0.2550)	($0.2600)	($0.2400)	($0.2500)	($0.2450)	($0.2830)	($0.3280)	($0.3620)	($0.4000)	($0.4230)	($0.4150)	
SUPPLY BASIS PENNSBURG	$/Dth	($0.1550)	$0.4550	$2.8350	$2.7600	$0.1200	($0.1980)	($0.3230)	($0.3350)	($0.3350)	($0.4130)	($0.5330)	($0.5150)	
NET COST AFTER BASIS MAUMEE	$/Dth	$2.2020	$2.4120	$2.5230	$2.5180	$2.4330	$2.2430	$2.1840	$2.1740	$2.1780	$2.1510	$2.1140	$2.1440	
NET COST AFTER BASIS PENNSBURG	$/Dth	$2.3120	$3.1220	$5.6180	$5.5180	$2.8030	$2.2900	$2.1440	$2.1670	$2.2050	$2.1380	$2.0040	$2.0440	
BILLING UNITS														
FIXED														
COLUMBIA FTS DEMAND	Dth	3,015	3,019	3,019	3,019	3,019	3,015	3,015	3,015	3,015	3,015	3,015	3,015	
ALGONQUIN DEMAND	Dth	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	3,000	36,000
VARIABLE														
PURCHASE VOLUMES MAUMEE	Dth	76,526	77,999	77,999	70,451	77,999	75,384	77,897	75,384	77,897	77,897	75,384	77,897	
PURCHASE VOLUMES PENNSBURG	Dth	15,305	15,600	15,600	14,090	15,600	15,077	15,579	15,077	15,579	15,579	15,077	15,579	
COLUMBIA USAGE	Dth	90,461	93,599	93,599	84,541	93,599	90,461	93,477	90,461	93,477	93,477	90,461	93,477	
ALGONQUIN USAGE	Dth	90,000	93,000	93,000	84,000	93,000	90,000	93,000	90,000	93,000	93,000	90,000	93,000	
DELIVERED VOLUMES MAUMEE	Dth	75,000	77,500	77,500	70,000	77,500	75,000	77,500	75,000	77,500	77,500	75,000	77,500	912,500
DELIVERED VOLUMES PENNSBURG	Dth	15,000	15,500	15,500	14,000	15,500	15,000	15,500	15,000	15,500	15,500	15,000	15,500	182,500
FUEL USE %														
COLUMBIA FUEL	%	1.492%	1.492%	1.492%	1.492%	1.492%	1.492%	1.492%	1.492%	1.492%	1.492%	1.492%	1.492%	
ALGONQUIN AFT-E FUEL	%	0.510%	0.640%	0.640%	0.640%	0.640%	0.510%	0.510%	0.510%	0.510%	0.510%	0.510%	0.510%	
TRANSPORTATION COST														
FIXED														
COLUMBIA FTS DEMAND	$	$20,420	$20,447	$20,447	$20,447	$20,447	$20,420	$20,420	$20,420	$20,420	$20,420	$20,420	$20,420	$245,149
ALGONQUIN DEMAND	$	$19,720	$19,720	$19,720	$19,720	$19,720	$19,720	$19,720	$19,720	$19,720	$19,720	$19,720	$19,720	$236,642
VARIABLE														
COLUMBIA USAGE	$	$1,601	$1,657	$1,657	$1,496	$1,657	$1,601	$1,655	$1,601	$1,655	$1,655	$1,601	$1,655	$19,489
ALGONQUIN USAGE	$	$5,535	$5,720	$5,720	$5,166	$5,720	$5,535	$5,720	$5,535	$5,720	$5,720	$5,535	$5,720	$67,343
PURCHASE COST MAUMEE	$	$168,511	$188,134	$196,792	$177,395	$189,772	$169,087	$170,128	$163,886	$169,660	$167,557	$159,363	$167,012	$2,087,297
PURCHASE COST PENNSBURG	$	$35,386	$48,703	$87,640	$77,750	$43,726	$34,526	$33,402	$32,672	$34,353	$33,309	$30,214	$31,844	$523,524
TOTAL FIXED	$	$40,140	$40,167	$40,167	$40,167	$40,167	$40,140	$40,140	$40,140	$40,140	$40,140	$40,140	$40,140	$481,791
TOTAL VARIABLE	$	$211,033	$244,213	$291,808	$261,807	$240,875	$210,750	$210,904	$203,694	$211,387	$208,240	$196,713	$206,230	$2,697,653
DELIVERED VOLUMES AT NYMEX	$	$222,030	$248,031	$258,819	$231,672	$249,519	$223,920	$229,431	$225,180	$236,220	$237,243	$228,330	$237,987	$2,828,382
NET NON-GAS VARIABLE COST	$	-$10,997	-$3,818	$32,989	$30,135	-$8,644	-$13,170	-$18,527	-$21,486	-$24,833	-$29,003	-$31,617	-$31,757	-$130,729
AVERAGE NON-GAS VARIABLE COST	$/Dth	**-$0.1222**	**-$0.0411**	**$0.3547**	**$0.3588**	**-$0.0930**	**-$0.1463**	**-$0.1992**	**-$0.2387**	**-$0.2670**	**-$0.3119**	**-$0.3513**	**-$0.3415**	**-$0.1194**
AVERAGE FIXED COST	$/Dth													$13.3831
AVERAGE COST AT 100% LOAD FACTOR	$/Dth													**$0.4400**
TOTAL PATH COST	$/Dth													**$0.3206**

REDACTED

TENNESSEE ZONE 1 TO CITY GATE
CITY GATE DELIVERED MDQ = 9,500

		NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	TOTAL
UNIT PRICING														
FIXED														
TENNESSEE ZONE 1 TO 6 DEMAND	$/Dth	$21.0092	$21.0092	$21.0092	$21.0092	$21.0092	$21.0092	$21.0092	$21.0092	$21.0092	$21.0092	$21.0092	$21.0092	
VARIABLE														
TENNESSE ZONE 1 TO 6 USAGE	$/Dth	$0.2959	$0.2959	$0.2959	$0.2959	$0.2959	$0.2959	$0.2959	$0.2959	$0.2959	$0.2959	$0.2959	$0.2959	
06/10/2019 NYMEX	$/Dth	$2.4670	$2.6670	$2.7830	$2.7580	$2.6830	$2.4880	$2.4670	$2.5020	$2.5400	$2.5510	$2.5370	$2.5590	
SUPPLY AREA BASIS	$/Dth	($0.1240)	($0.0770)	($0.1160)	($0.0450)	($0.0750)	($0.0960)	($0.1170)	($0.1180)	($0.1000)	($0.0790)	($0.0790)	($0.0930)	
NET COST AFTER BASIS	$/Dth	$2.3430	$2.5900	$2.6670	$2.7130	$2.6080	$2.3920	$2.3500	$2.3840	$2.4400	$2.4720	$2.4580	$2.4660	
BILLING UNITS														
FIXED														
TENNESSEE ZONE 1 TO 6 DEMAND	Dth	9,500	9,500	9,500	9,500	9,500	9,500	9,500	9,500	9,500	9,500	9,500	9,500	114,000
VARIABLE														
PURCHASE VOLUMES	Dth	298,461	308,409	308,409	278,563	308,409	298,461	308,409	298,461	308,409	308,409	298,461	308,409	3,631,270
TENNESSE ZONE 1 TO 6 USAGE	Dth	285,000	294,500	294,500	266,000	294,500	285,000	294,500	285,000	294,500	294,500	285,000	294,500	3,467,500
DELIVERED VOLUMES	Dth	285,000	294,500	294,500	266,000	294,500	285,000	294,500	285,000	294,500	294,500	285,000	294,500	3,467,500
FUEL USE %														
TENNESSEE ZONE 1 TO 6 FUEL	%	4.510%	4.510%	4.510%	4.510%	4.510%	4.510%	4.510%	4.510%	4.510%	4.510%	4.510%	4.510%	
TRANSPORTATION COST														
FIXED														
TENNESSEE ZONE 1 TO 6 DEMAND	$	$199,587	$199,587	$199,587	$199,587	$199,587	$199,587	$199,587	$199,587	$199,587	$199,587	$199,587	$199,587	$2,395,049
VARIABLE														
TENNESSE ZONE 1 TO 6 USAGE	$	$84,332	$87,143	$87,143	$78,709	$87,143	$84,332	$87,143	$84,332	$87,143	$87,143	$84,332	$87,143	$1,026,033
PURCHASE COST	$	$699,293	$798,780	$822,527	$755,742	$804,331	$713,918	$724,762	$711,530	$752,519	$762,388	$733,616	$760,537	$9,039,943
TOTAL FIXED	$	$199,587	$199,587	$199,587	$199,587	$199,587	$199,587	$199,587	$199,587	$199,587	$199,587	$199,587	$199,587	$2,395,049
TOTAL VARIABLE	$	$783,625	$885,923	$909,670	$834,451	$891,474	$798,249	$811,904	$795,862	$839,661	$849,530	$817,948	$847,680	$10,065,976
DELIVERED VOLUMES AT NYMEX	$	$703,095	$785,432	$819,594	$733,628	$790,144	$709,080	$726,532	$713,070	$748,030	$751,270	$723,045	$753,626	$8,956,543
NET NON-GAS VARIABLE COST	$	$80,530	$100,491	$90,077	$100,823	$101,330	$89,169	$85,373	$82,792	$91,631	$98,261	$94,903	$94,054	$1,109,433
AVERAGE NON-GAS VARIABLE COST	$/Dth	**$0.2826**	**$0.3412**	**$0.3059**	**$0.3790**	**$0.3441**	**$0.3129**	**$0.2899**	**$0.2905**	**$0.3111**	**$0.3337**	**$0.3330**	**$0.3194**	**$0.3200**
AVERAGE FIXED COST	$/Dth													$21.0092
AVERAGE COST AT 100% LOAD FACTOR	$/Dth													**$0.6907**
TOTAL PATH COST	$/Dth													**$1.0107**

REDACTED

ALGONQUIN LAMBERTVILLE TO CITY GATE
CITY GATE DELIVERED MDQ = 2,714

		NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	TOTAL
UNIT PRICING														
FIXED														
ALGONQUIN AFT-E DEMAND	$/Dth	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	$6.5734	
VARIABLE														
ALGONQUIN AFT-E USAGE	$/Dth	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	$0.0615	
06/10/2019 NYMEX	$/Dth	$2.4670	$2.6670	$2.7830	$2.7580	$2.6830	$2.4880	$2.4670	$2.5020	$2.5400	$2.5510	$2.5370	$2.5590	
SUPPLY AREA BASIS	$/Dth	($0.1550)	$0.4550	$2.8350	$2.7600	$0.1200	($0.1980)	($0.3230)	($0.3350)	($0.3350)	($0.4130)	($0.5330)	($0.5150)	
NET COST AFTER BASIS	$/Dth	$2.3120	$3.1220	$5.6180	$5.5180	$2.8030	$2.2900	$2.1440	$2.1670	$2.2050	$2.1380	$2.0040	$2.0440	
BILLING UNITS														
FIXED														
ALGONQUIN AFT-E DEMAND	Dth	2,714	2,714	2,714	2,714	2,714	2,714	2,714	2,714	2,714	2,714	2,714	2,714	32,568
VARIABLE														
PURCHASE VOLUMES	Dth	81,837	84,676	84,676	76,481	84,676	81,837	84,565	81,837	84,565	84,565	81,837	84,565	996,120
ALGONQUIN AFT-E USAGE	Dth	81,420	84,134	84,134	75,992	84,134	81,420	84,134	81,420	84,134	84,134	81,420	84,134	990,610
DELIVERED VOLUMES	Dth	81,420	84,134	84,134	75,992	84,134	81,420	84,134	81,420	84,134	84,134	81,420	84,134	990,610
FUEL USE %														
ALGONQUIN AFT-E FUEL	%	0.510%	0.640%	0.640%	0.640%	0.640%	0.510%	0.510%	0.510%	0.510%	0.510%	0.510%	0.510%	
TRANSPORTATION COST														
FIXED														
ALGONQUIN AFT-E DEMAND	$	$17,840	$17,840	$17,840	$17,840	$17,840	$17,840	$17,840	$17,840	$17,840	$17,840	$17,840	$17,840	$214,082
VARIABLE														
ALGONQUIN AFT-E USAGE	$	$5,007	$5,174	$5,174	$4,674	$5,174	$5,007	$5,174	$5,007	$5,174	$5,174	$5,007	$5,174	$60,923
PURCHASE COST	$	$189,208	$264,358	$475,709	$422,025	$237,347	$187,408	$181,308	$177,342	$186,466	$180,801	$164,002	$172,851	$2,838,825
TOTAL FIXED	$	$17,840	$17,840	$17,840	$17,840	$17,840	$17,840	$17,840	$17,840	$17,840	$17,840	$17,840	$17,840	$214,082
TOTAL VARIABLE	$	$194,215	$269,532	$480,884	$426,698	$242,521	$192,415	$186,482	$182,349	$191,641	$185,975	$169,009	$178,026	$2,899,747
DELIVERED VOLUMES AT NYMEX	$	$200,863	$224,385	$234,145	$209,586	$225,732	$202,573	$207,559	$203,713	$213,700	$214,626	$206,563	$215,299	$2,558,743
NET NON-GAS VARIABLE COST	$	-$6,648	$45,147	$246,739	$217,112	$16,789	-$10,158	-$21,076	-$21,364	-$22,060	-$28,651	-$37,553	-$37,273	$341,004
AVERAGE NON-GAS VARIABLE COST	$/Dth	**-$0.0816**	**$0.5366**	**$2.9327**	**$2.8570**	**$0.1996**	**-$0.1248**	**-$0.2505**	**-$0.2624**	**-$0.2622**	**-$0.3405**	**-$0.4612**	**-$0.4430**	**$0.3442**
AVERAGE FIXED COST	$/Dth													$6.5734
AVERAGE COST AT 100% LOAD FACTOR	$/Dth													**$0.2161**
TOTAL PATH COST	$/Dth													**$0.5603**

REDACTED

TENNESSEE DRACUT TO CITY GATE
CITY GATE DELIVERED MDQ = 1,000

UNIT PRICING

		NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	TOTAL
FIXED														
TENNESSEE ZONE 6 TO 6 DEMAND	$/Dth	$4.6431	$4.6431	$4.6431	$4.6431	$4.6431	$4.6431	$4.6431	$4.6431	$4.6431	$4.6431	$4.6431	$4.6431	
VARIABLE														
TENNESSE ZONE 6 TO 6 USAGE	$/Dth	$0.0350	$0.0350	$0.0350	$0.0350	$0.0350	$0.0350	$0.0350	$0.0350	$0.0350	$0.0350	$0.0350	$0.0350	
06/10/2019 NYMEX	$/Dth	$2.4670	$2.6670	$2.7830	$2.7580	$2.6830	$2.4880	$2.4670	$2.5020	$2.5400	$2.5510	$2.5370	$2.5590	
SUPPLY AREA BASIS	$/Dth	$1.2270	$4.0170	$5.7950	$5.7490	$2.5730	$0.8220	$0.1070	$0.1180	$0.3090	$0.2970	$0.0000	$0.1930	
NET COST AFTER BASIS	$/Dth	$3.6940	$6.6840	$8.5780	$8.5070	$5.2560	$3.3100	$2.5740	$2.6200	$2.8490	$2.8480	$2.5370	$2.7520	

BILLING UNITS

FIXED														
TENNESSEE ZONE 6 TO 6 DEMAND	Dth	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	12,000
VARIABLE														
PURCHASE VOLUMES	Dth	30,000	31,000	31,000	28,000	31,000	30,000	31,000	30,000	31,000	31,000	30,000	31,000	365,000
TENNESSE ZONE 6 TO 6 USAGE	Dth	30,000	31,000	31,000	28,000	31,000	30,000	31,000	30,000	31,000	31,000	30,000	31,000	365,000
DELIVERED VOLUMES	Dth	30,000	31,000	31,000	28,000	31,000	30,000	31,000	30,000	31,000	31,000	30,000	31,000	365,000

FUEL USE %

TENNESSEE ZONE 6 TO 6 FUEL	%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	

TRANSPORTATION COST

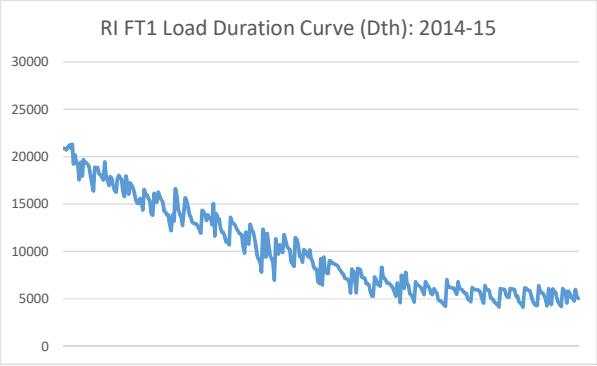
FIXED														
TENNESSEE ZONE 6 TO 6 DEMAND	$	$4,643	$4,643	$4,643	$4,643	$4,643	$4,643	$4,643	$4,643	$4,643	$4,643	$4,643	$4,643	$55,717
VARIABLE														
TENNESSE ZONE 6 TO 6 USAGE	$	$1,050	$1,085	$1,085	$980	$1,085	$1,050	$1,085	$1,050	$1,085	$1,085	$1,050	$1,085	$12,775
PURCHASE COST	$	$110,820	$207,204	$265,918	$238,196	$162,936	$99,300	$79,794	$78,600	$88,319	$88,288	$76,110	$85,312	$1,580,797
TOTAL FIXED	$	$4,643	$4,643	$4,643	$4,643	$4,643	$4,643	$4,643	$4,643	$4,643	$4,643	$4,643	$4,643	$55,717
TOTAL VARIABLE	$	$111,870	$208,289	$267,003	$239,176	$164,021	$100,350	$80,879	$79,650	$89,404	$89,373	$77,160	$86,397	$1,593,572
DELIVERED VOLUMES AT NYMEX	$	$74,010	$82,677	$86,273	$77,224	$83,173	$74,640	$76,477	$75,060	$78,740	$79,081	$76,110	$79,329	$942,794
NET NON-GAS VARIABLE COST	$	$37,860	$125,612	$180,730	$161,952	$80,848	$25,710	$4,402	$4,590	$10,664	$10,292	$1,050	$7,068	$650,778
AVERAGE NON-GAS VARIABLE COST	$/Dth	**$1.2620**	**$4.0520**	**$5.8300**	**$5.7840**	**$2.6080**	**$0.8570**	**$0.1420**	**$0.1530**	**$0.3440**	**$0.3320**	**$0.0350**	**$0.2280**	**$1.7830**
AVERAGE FIXED COST	$/Dth													$4.6431
AVERAGE COST AT 100% LOAD FACTOR	$/Dth													**$0.1526**
TOTAL PATH COST	$/Dth													**$1.9356**

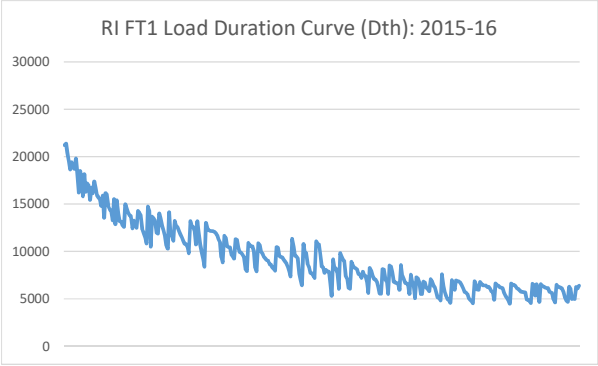
REDACTED

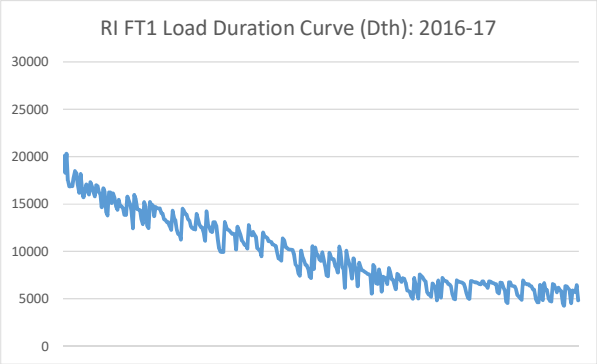
National Grid Rhode Island Company Average Costs Per Unit Costs ($000) and Volumes (MDth)	Nov-19	Dec-19	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Jul-20	Aug-20	Sep-20	Oct-20	Total
Commodity and Variable Costs													
Commodity for Purchases to City Gate	$ 5,846.4	$ 8,541.6	$ 10,716.4	$ 9,755.2	$ 8,134.0	$ 4,526.7	$ 2,308.8	$ 1,452.0	$ 1,257.3	$ 1,291.4	$ 1,451.7	$ 3,122.3	$ 58,403.7
Variable Costs for Purchases to City Gate	$ 266.9	$ 342.7	$ 381.9	$ 355.0	$ 318.2	$ 208.5	$ 124.5	$ 87.8	$ 77.4	$ 80.5	$ 86.6	$ 148.0	$ 2,478.2
Total Cost for Purchases to City Gate	$ 6,113.3	$ 8,884.3	$ 11,098.3	$ 10,110.2	$ 8,452.2	$ 4,735.2	$ 2,433.3	$ 1,539.8	$ 1,334.7	$ 1,371.9	$ 1,538.4	$ 3,270.3	$ 60,881.9
06/10/2019 NYMEX	$ 2.467	$ 2.667	$ 2.783	$ 2.758	$ 2.683	$ 2.488	$ 2.467	$ 2.502	$ 2.540	$ 2.551	$ 2.537	$ 2.559	
Pipeline Purchases to City Gate	2,661	3,427	4,042	3,705	3,212	2,027	1,109	706	600	625	748	1,537	24,400
NYMEX Cost of Pipeline Purchases	$ 6,563.8	$ 9,141.1	$ 11,250.2	$ 10,219.5	$ 8,618.3	$ 5,044.0	$ 2,737.0	$ 1,765.6	$ 1,523.7	$ 1,594.1	$ 1,896.6	$ 3,933.5	$ 64,287.4
Non-Gas Cost of Delivered Supplies													**$ (0.1396)**
Fixed Costs													
Transportation Fixed Costs	$ 5,099.0	$ 5,269.5	$ 5,268.2	$ 5,268.2	$ 5,268.2	$ 5,097.7	$ 5,097.7	$ 5,097.7	$ 5,097.7	$ 5,097.7	$ 5,097.7	$ 5,097.7	$ 61,857.1
Total Pipeline Fixed Costs	$ 5,099.0	$ 5,269.5	$ 5,268.2	$ 5,268.2	$ 5,268.2	$ 5,097.7	$ 5,097.7	$ 5,097.7	$ 5,097.7	$ 5,097.7	$ 5,097.7	$ 5,097.7	$ 61,857.1
Total Fixed Units	6,506	6,750	6,750	6,096	6,750	6,506	6,696	6,024	6,225	6,225	6,024	6,696	77,247
100% Load Factor Unit Value ($/Dth)													**$ 0.8008**
Total Average System Unit Value ($/Dth)													**$ 0.6612**

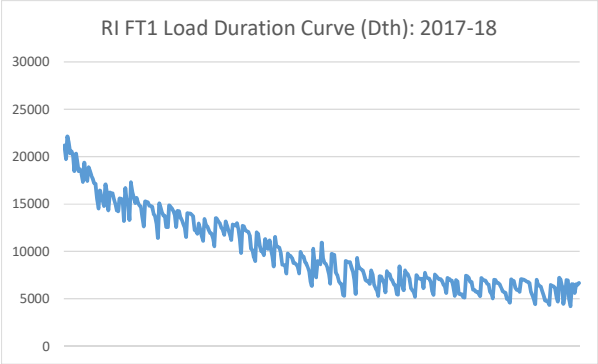
Load Duration Curves for FT1 Customers
Historical Actuals and Forecasted Design Weather

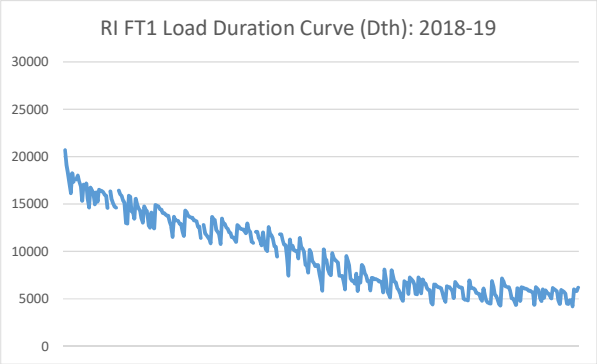
Chart VI-B-1

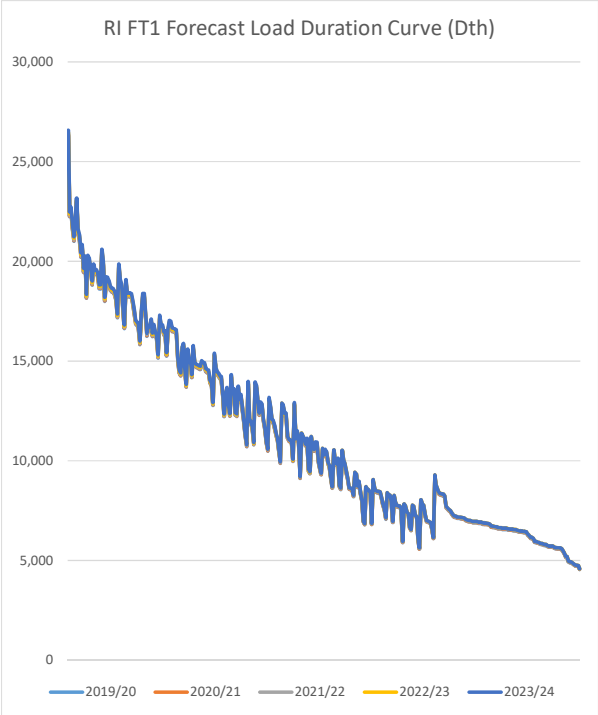






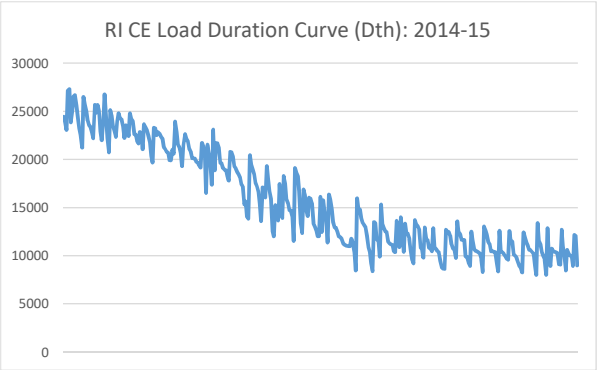


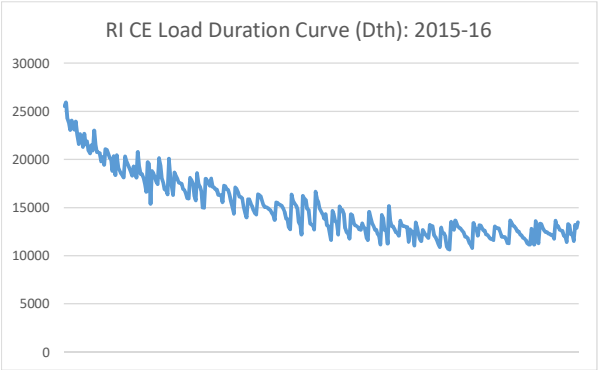


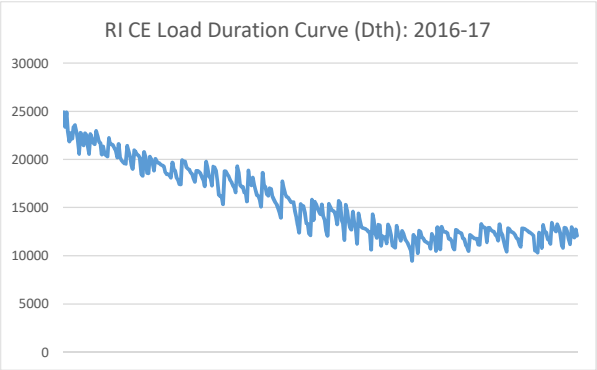


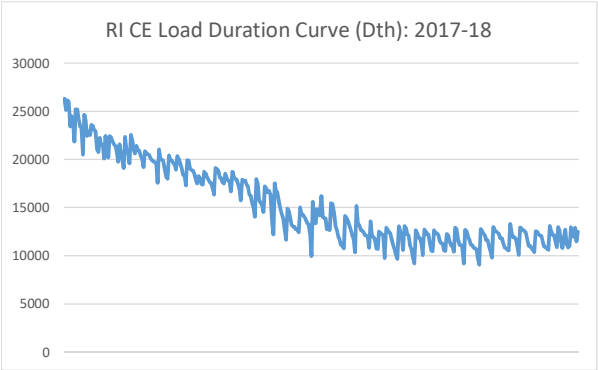
Load Duration Curves for Capacity Exempt Customers
Historical Actuals and Forecasted Design Weather

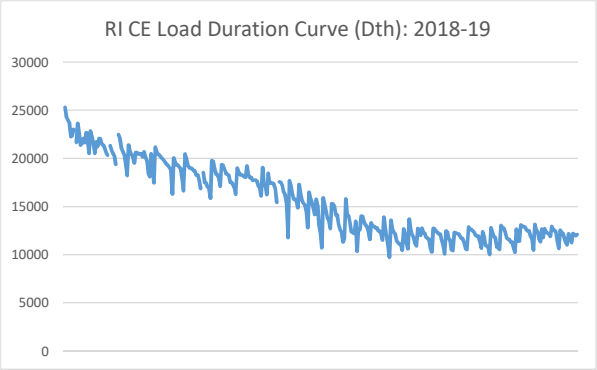
Chart VI-B-2

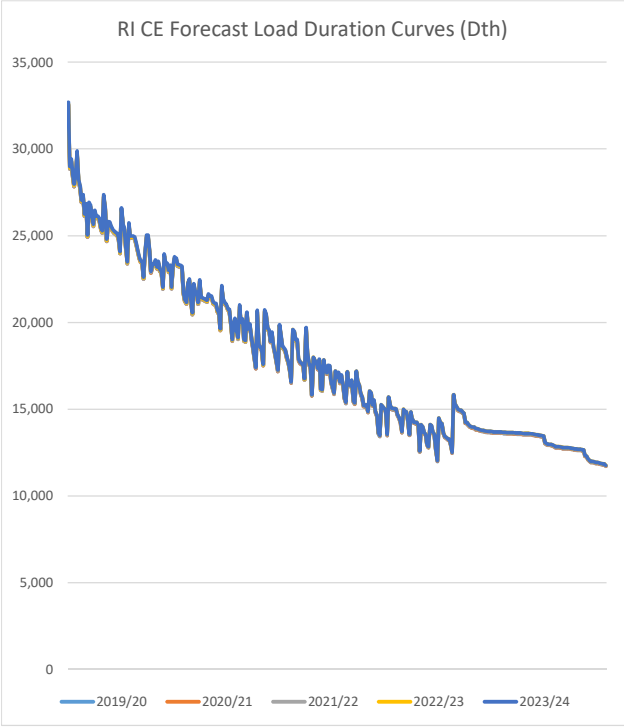






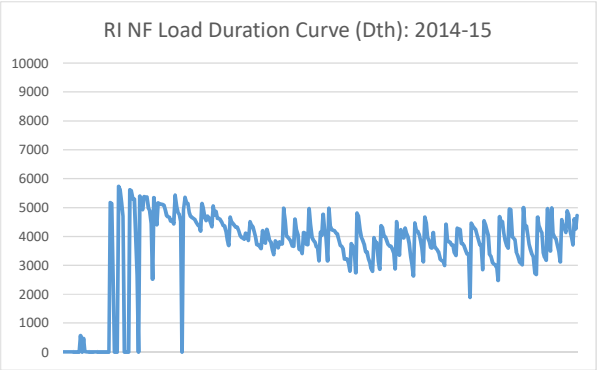


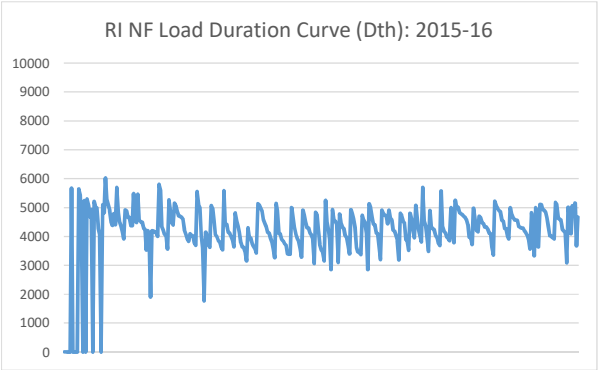


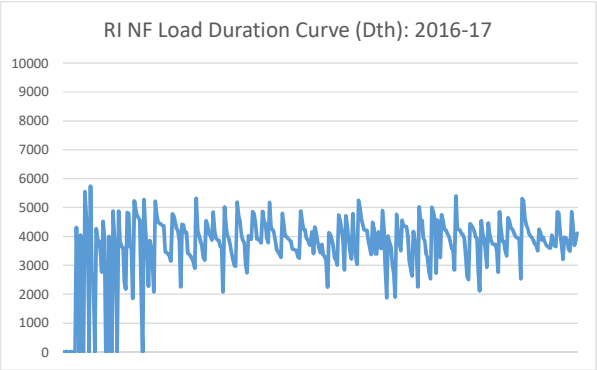


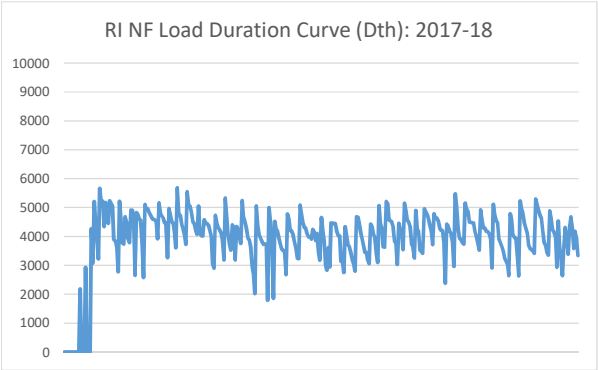
Load Duration Curves for Non-Firm Customers
Historical Actuals and Forecasted Design Weather

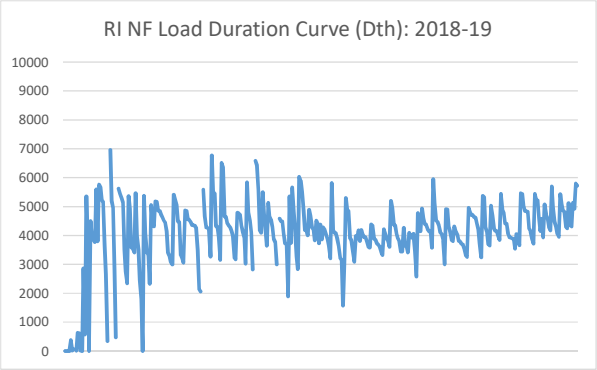
Chart VI-B-3

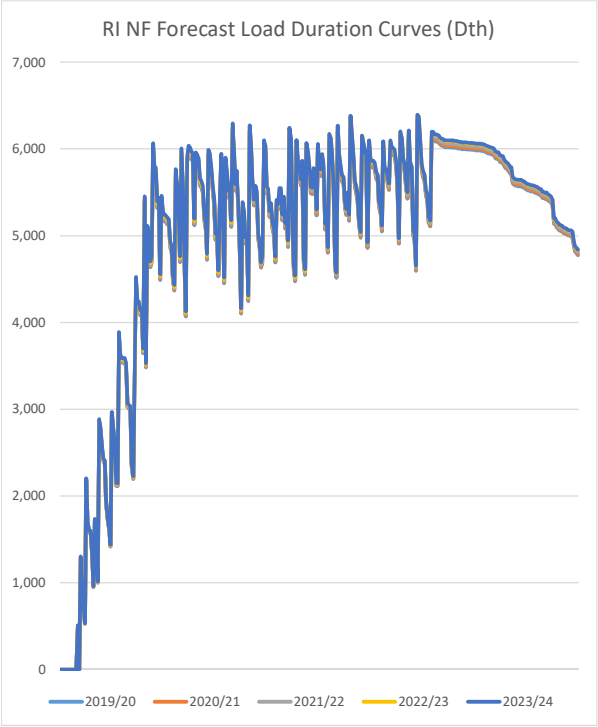












Date	RI HDDn	RI SFT2 2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
1-Nov	15	68,443	68,467	68,900	69,537	70,155	71,149
2-Nov	10	49,353	49,370	49,682	50,141	50,587	51,304
3-Nov	14	72,389	72,414	72,872	73,545	74,199	75,250
4-Nov	12	62,145	62,166	62,560	63,137	63,699	64,601
5-Nov	17	87,543	87,573	88,127	88,941	89,732	91,003
6-Nov	17	87,180	87,210	87,762	88,572	89,360	90,626
7-Nov	14	72,936	72,961	73,423	74,101	74,761	75,819
8-Nov	14	73,300	73,325	73,789	74,470	75,133	76,197
9-Nov	17	88,392	88,423	88,982	89,804	90,603	91,886
10-Nov	14	74,937	74,962	75,437	76,133	76,811	77,899
11-Nov	13	70,027	70,051	70,494	71,145	71,778	72,795
12-Nov	13	68,328	68,352	68,785	69,420	70,037	71,029
13-Nov	17	85,906	85,935	86,479	87,278	88,054	89,302
14-Nov	16	81,058	81,085	81,599	82,352	83,085	84,262
15-Nov	20	103,607	103,643	104,299	105,262	106,199	107,703
16-Nov	23	121,248	121,289	122,057	123,184	124,280	126,040
17-Nov	17	94,761	94,794	95,394	96,275	97,131	98,507
18-Nov	24	127,856	127,900	128,709	129,898	131,054	132,910
19-Nov	26	138,100	138,148	139,022	140,306	141,554	143,559
20-Nov	27	145,194	145,244	146,163	147,513	148,826	150,934
21-Nov	27	144,831	144,881	145,798	147,144	148,453	150,556
22-Nov	32	171,441	171,501	172,586	174,180	175,729	178,218
23-Nov	34	185,021	185,085	186,256	187,976	189,649	192,335
24-Nov	37	202,723	202,792	204,076	205,960	207,793	210,736
25-Nov	37	204,846	204,916	206,213	208,117	209,969	212,943
26-Nov	24	142,292	142,341	143,242	144,565	145,851	147,917
27-Nov	15	90,948	90,979	91,555	92,400	93,222	94,543
28-Nov	18	94,699	94,731	95,331	96,211	97,067	98,442
29-Nov	20	103,607	103,643	104,299	105,262	106,199	107,703
30-Nov	26	136,826	136,873	137,740	139,012	140,248	142,235
1-Dec	16	91,125	91,157	91,734	92,581	93,404	94,727
2-Dec	24	128,705	128,749	129,564	130,761	131,924	133,793
3-Dec	26	137,675	137,723	138,594	139,874	141,119	143,118
4-Dec	29	155,014	155,067	156,049	157,490	158,891	161,141
5-Dec	21	116,222	116,262	116,997	118,078	119,128	120,816
6-Dec	33	174,653	174,713	175,819	177,442	179,021	181,557
7-Dec	24	133,800	133,846	134,694	135,937	137,147	139,089
8-Dec	18	105,615	105,652	106,321	107,302	108,257	109,790
9-Dec	25	133,615	133,661	134,507	135,749	136,957	138,896
10-Dec	20	109,491	109,528	110,221	111,239	112,229	113,819
11-Dec	18	98,883	98,917	99,543	100,463	101,356	102,792
12-Dec	23	118,823	118,864	119,616	120,721	121,795	123,520
13-Dec	22	116,824	116,864	117,604	118,690	119,746	121,442
14-Dec	35	183,986	184,050	185,215	186,925	188,588	191,259
15-Dec	39	208,721	208,793	210,114	212,054	213,941	216,971
16-Dec	34	191,390	191,456	192,668	194,447	196,177	198,956
17-Dec	27	156,597	156,651	157,643	159,098	160,514	162,787
18-Dec	35	189,143	189,208	190,406	192,164	193,874	196,620
19-Dec	28	153,562	153,615	154,587	156,015	157,403	159,632
20-Dec	41	219,451	219,526	220,916	222,956	224,939	228,126
21-Dec	42	228,545	228,624	230,071	232,196	234,261	237,580
22-Dec	29	170,663	170,722	171,802	173,389	174,931	177,409
23-Dec	18	111,560	111,598	112,305	113,342	114,350	115,970
24-Dec	23	125,918	125,962	126,759	127,929	129,068	130,896
25-Dec	35	180,651	180,713	181,857	183,536	185,169	187,792

Date	RI HDDn	RI SFT2 2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
26-Dec	36	191,142	191,208	192,418	194,195	195,923	198,698
27-Dec	42	227,758	227,836	229,278	231,395	233,454	236,761
28-Dec	43	237,277	237,358	238,861	241,066	243,211	246,656
29-Dec	28	166,602	166,660	167,714	169,263	170,769	173,188
30-Dec	31	175,387	175,447	176,558	178,188	179,774	182,320
31-Dec	27	150,653	150,705	151,658	153,059	154,421	156,608
1-Jan	49	256,606	256,694	258,319	260,705	263,024	266,749
2-Jan	35	193,875	193,942	195,169	196,972	198,724	201,539
3-Jan	21	130,172	130,217	131,041	132,251	133,428	135,318
4-Jan	25	139,559	139,607	140,491	141,788	143,050	145,076
5-Jan	19	105,855	105,891	106,561	107,545	108,502	110,039
6-Jan	24	129,554	129,599	130,419	131,623	132,794	134,675
7-Jan	33	173,318	173,377	174,475	176,086	177,652	180,169
8-Jan	35	189,082	189,147	190,344	192,102	193,811	196,556
9-Jan	35	190,478	190,544	191,750	193,521	195,242	198,008
10-Jan	25	143,867	143,916	144,827	146,165	147,465	149,554
11-Jan	37	200,175	200,244	201,511	203,372	205,181	208,088
12-Jan	42	225,573	225,651	227,079	229,176	231,215	234,490
13-Jan	35	198,423	198,491	199,748	201,592	203,386	206,266
14-Jan	40	222,123	222,199	223,605	225,670	227,678	230,903
15-Jan	37	204,907	204,978	206,275	208,180	210,032	213,007
16-Jan	25	145,202	145,252	146,171	147,521	148,834	150,942
17-Jan	44	233,756	233,836	235,316	237,489	239,602	242,996
18-Jan	51	272,733	272,827	274,554	277,089	279,554	283,514
19-Jan	54	298,502	298,605	300,495	303,270	305,968	310,302
20-Jan	39	229,102	229,181	230,631	232,761	234,832	238,158
21-Jan	34	199,458	199,526	200,789	202,643	204,446	207,342
22-Jan	29	164,780	164,836	165,880	167,412	168,901	171,293
23-Jan	28	153,987	154,040	155,015	156,446	157,838	160,074
24-Jan	39	207,084	207,155	208,466	210,391	212,263	215,270
25-Jan	23	134,410	134,457	135,308	136,557	137,772	139,724
26-Jan	36	196,114	196,182	197,424	199,247	201,019	203,867
27-Jan	40	214,480	214,554	215,912	217,905	219,844	222,958
28-Jan	28	162,781	162,837	163,867	165,381	166,852	169,215
29-Jan	41	221,574	221,650	223,053	225,113	227,116	230,333
30-Jan	42	225,271	225,349	226,775	228,869	230,905	234,176
31-Jan	38	213,214	213,287	214,637	216,619	218,546	221,642
1-Feb	17	110,472	110,510	111,209	112,236	113,235	114,839
2-Feb	23	129,315	129,360	130,178	131,381	132,549	134,427
3-Feb	38	196,593	196,660	197,905	199,733	201,510	204,364
4-Feb	38	205,509	205,580	206,881	208,792	210,649	213,633
5-Feb	49	264,249	264,340	266,013	268,470	270,858	274,695
6-Feb	47	257,463	257,552	259,182	261,575	263,902	267,640
7-Feb	48	267,831	267,924	269,619	272,109	274,530	278,419
8-Feb	35	205,217	205,287	206,587	208,494	210,349	213,329
9-Feb	37	209,941	210,013	211,342	213,294	215,192	218,240
10-Feb	33	185,631	185,695	186,870	188,596	190,274	192,969
11-Feb	35	194,602	194,669	195,901	197,710	199,469	202,294
12-Feb	31	172,476	172,536	173,628	175,231	176,790	179,294
13-Feb	36	194,539	194,606	195,838	197,646	199,404	202,229
14-Feb	38	206,420	206,491	207,798	209,717	211,583	214,580
15-Feb	29	166,841	166,899	167,955	169,506	171,014	173,436
16-Feb	30	168,779	168,837	169,906	171,475	173,000	175,451
17-Feb	31	170,292	170,350	171,429	173,012	174,551	177,023
18-Feb	28	156,412	156,466	157,456	158,910	160,324	162,594

Date	RI HDDn	RI SFT2 2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
19-Feb	33	178,474	178,536	179,666	181,325	182,938	185,529
20-Feb	23	128,589	128,633	129,447	130,643	131,805	133,672
21-Feb	35	187,020	187,084	188,269	190,007	191,697	194,413
22-Feb	38	204,236	204,306	205,599	207,498	209,344	212,309
23-Feb	17	107,499	107,536	108,217	109,216	110,188	111,749
24-Feb	31	168,593	168,651	169,719	171,286	172,810	175,258
25-Feb	38	199,990	200,058	201,325	203,184	204,991	207,895
26-Feb	38	207,269	207,341	208,653	210,580	212,453	215,462
27-Feb	36	198,785	198,853	200,112	201,960	203,757	206,643
28-Feb	34	189,753	189,819	191,020	192,784	194,499	197,254
1-Mar	40	219,150	219,226	220,613	222,651	224,631	227,813
2-Mar	29	166,841	166,899	167,955	169,506	171,014	173,436
3-Mar	37	203,996	204,067	205,358	207,255	209,099	212,060
4-Mar	36	197,813	197,881	199,133	200,972	202,760	205,632
5-Mar	23	135,321	135,368	136,224	137,482	138,705	140,670
6-Mar	30	162,108	162,164	163,190	164,697	166,162	168,516
7-Mar	27	146,468	146,518	147,446	148,807	150,131	152,258
8-Mar	34	184,172	184,235	185,401	187,113	188,778	191,452
9-Mar	38	205,509	205,580	206,881	208,792	210,649	213,633
10-Mar	39	215,090	215,164	216,526	218,525	220,469	223,592
11-Mar	18	114,108	114,147	114,869	115,930	116,961	118,618
12-Mar	14	84,339	84,368	84,902	85,686	86,449	87,673
13-Mar	19	96,636	96,669	97,281	98,179	99,053	100,456
14-Mar	17	88,878	88,909	89,471	90,298	91,101	92,391
15-Mar	22	116,338	116,378	117,114	118,196	119,247	120,937
16-Mar	23	122,521	122,564	123,339	124,478	125,586	127,365
17-Mar	30	159,438	159,492	160,502	161,984	163,425	165,740
18-Mar	23	128,466	128,510	129,324	130,518	131,679	133,544
19-Mar	24	131,739	131,784	132,618	133,843	135,034	136,946
20-Mar	24	127,554	127,598	128,406	129,591	130,744	132,596
21-Mar	24	129,616	129,660	130,481	131,686	132,857	134,739
22-Mar	18	101,794	101,829	102,474	103,420	104,340	105,818
23-Mar	21	113,976	114,015	114,737	115,796	116,826	118,481
24-Mar	25	132,341	132,387	133,224	134,455	135,651	137,572
25-Mar	19	105,855	105,891	106,561	107,545	108,502	110,039
26-Mar	24	127,917	127,961	128,771	129,960	131,116	132,974
27-Mar	36	184,773	184,837	186,006	187,724	189,394	192,077
28-Mar	37	198,538	198,606	199,863	201,709	203,503	206,386
29-Mar	26	151,687	151,740	152,700	154,110	155,481	157,683
30-Mar	17	103,253	103,289	103,943	104,902	105,836	107,335
31-Mar	18	99,671	99,705	100,336	101,263	102,164	103,611
1-Apr	20	106,130	106,802	107,788	108,747	110,287	110,617
2-Apr	21	112,316	113,027	114,071	115,085	116,715	117,064
3-Apr	24	126,687	127,489	128,666	129,811	131,649	132,043
4-Apr	17	92,368	92,953	93,811	94,646	95,986	96,273
5-Apr	36	185,625	186,799	188,524	190,202	192,896	193,472
6-Apr	27	148,156	149,094	150,471	151,809	153,959	154,419
7-Apr	16	98,377	99,000	99,914	100,803	102,231	102,536
8-Apr	25	134,086	134,934	136,180	137,392	139,338	139,754
9-Apr	10	59,564	59,941	60,495	61,033	61,897	62,082
10-Apr	19	99,581	100,211	101,137	102,037	103,482	103,791
11-Apr	18	90,484	91,056	91,897	92,715	94,028	94,309
12-Apr	16	85,696	86,239	87,035	87,809	89,053	89,319
13-Apr	5	43,885	44,162	44,570	44,967	45,604	45,740
14-Apr	15	75,626	76,105	76,808	77,491	78,589	78,823

Date	RI HDDn	RI SFT2 2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
15-Apr	15	75,202	75,678	76,376	77,056	78,147	78,381
16-Apr	20	104,006	104,665	105,631	106,571	108,081	108,403
17-Apr	20	104,493	105,154	106,125	107,069	108,586	108,910
18-Apr	12	65,687	66,103	66,713	67,307	68,260	68,464
19-Apr	13	68,838	69,274	69,914	70,535	71,535	71,748
20-Apr	5	40,062	40,315	40,688	41,050	41,631	41,755
21-Apr	13	64,529	64,938	65,537	66,120	67,057	67,257
22-Apr	7	36,637	36,869	37,210	37,541	38,073	38,186
23-Apr	13	65,379	65,792	66,400	66,991	67,940	68,142
24-Apr	13	63,741	64,145	64,737	65,313	66,238	66,436
25-Apr	12	59,741	60,119	60,674	61,214	62,081	62,266
26-Apr	10	51,130	51,454	51,929	52,391	53,133	53,292
27-Apr	7	38,336	38,579	38,935	39,282	39,838	39,957
28-Apr	8	39,547	39,797	40,165	40,522	41,096	41,219
29-Apr	12	58,343	58,713	59,255	59,782	60,629	60,810
30-Apr	15	75,202	75,678	76,376	77,056	78,147	78,381
1-May	0	47,068	47,366	47,804	48,229	48,912	49,058
2-May	0	49,068	49,379	49,835	50,278	50,990	51,142
3-May	0	48,582	48,889	49,341	49,780	50,485	50,636
4-May	0	50,644	50,965	51,435	51,893	52,628	52,785
5-May	4	38,164	38,405	38,760	39,105	39,658	39,777
6-May	14	67,742	68,170	68,800	69,412	70,395	70,605
7-May	18	89,086	89,650	90,478	91,283	92,576	92,853
8-May	11	59,015	59,389	59,937	60,470	61,327	61,510
9-May	10	51,192	51,516	51,992	52,454	53,197	53,356
10-May	1	37,627	37,865	38,215	38,555	39,101	39,218
11-May	0	33,664	33,877	34,190	34,494	34,983	35,087
12-May	0	32,390	32,595	32,896	33,189	33,659	33,759
13-May	4	35,615	35,840	36,171	36,493	37,010	37,121
14-May	6	33,890	34,104	34,419	34,725	35,217	35,322
15-May	14	64,405	64,813	65,411	65,993	66,928	67,128
16-May	17	81,749	82,267	83,026	83,765	84,952	85,205
17-May	14	73,325	73,789	74,470	75,133	76,197	76,425
18-May	10	55,317	55,667	56,181	56,681	57,483	57,655
19-May	1	40,539	40,796	41,172	41,539	42,127	42,253
20-May	6	33,890	34,104	34,419	34,725	35,217	35,322
21-May	6	32,191	32,394	32,694	32,984	33,452	33,551
22-May	6	32,677	32,884	33,187	33,483	33,957	34,058
23-May	6	31,039	31,236	31,524	31,805	32,255	32,351
24-May	8	35,786	36,012	36,345	36,668	37,187	37,299
25-May	4	35,615	35,840	36,171	36,493	37,010	37,121
26-May	4	34,765	34,986	35,309	35,623	36,127	36,235
27-May	1	33,743	33,957	34,270	34,575	35,065	35,169
28-May	3	32,018	32,220	32,518	32,807	33,272	33,371
29-May	3	29,955	30,145	30,423	30,694	31,129	31,222
30-May	8	31,600	31,800	32,093	32,379	32,837	32,935
31-May	12	55,007	55,355	55,866	56,363	57,162	57,332
1-Jun	5	37,938	38,178	38,531	38,873	39,424	39,542
2-Jun	7	36,213	36,442	36,778	37,106	37,631	37,744
3-Jun	3	34,991	35,212	35,538	35,854	36,362	36,470
4-Jun	0	34,593	34,811	35,133	35,446	35,948	36,055
5-Jun	0	30,406	30,599	30,881	31,156	31,598	31,692
6-Jun	0	27,694	27,869	28,126	28,377	28,779	28,865
7-Jun	0	29,982	30,171	30,450	30,721	31,156	31,249
8-Jun	0	32,296	32,500	32,800	33,092	33,561	33,661

Date	RI HDDn	RI SFT2 2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
9-Jun	0	30,597	30,791	31,075	31,351	31,795	31,890
10-Jun	0	29,548	29,735	30,010	30,277	30,706	30,797
11-Jun	0	29,123	29,308	29,578	29,841	30,264	30,355
12-Jun	0	26,610	26,778	27,026	27,266	27,652	27,735
13-Jun	0	25,822	25,985	26,225	26,459	26,833	26,913
14-Jun	0	28,535	28,715	28,980	29,238	29,652	29,741
15-Jun	7	27,718	27,893	28,151	28,401	28,803	28,889
16-Jun	6	31,341	31,540	31,831	32,114	32,569	32,666
17-Jun	0	36,994	37,229	37,572	37,907	38,444	38,558
18-Jun	3	30,743	30,938	31,224	31,502	31,948	32,043
19-Jun	5	27,381	27,554	27,808	28,056	28,453	28,538
20-Jun	4	29,791	29,980	30,257	30,526	30,958	31,051
21-Jun	1	32,530	32,736	33,038	33,332	33,804	33,905
22-Jun	0	33,822	34,036	34,350	34,656	35,147	35,252
23-Jun	0	29,999	30,189	30,468	30,739	31,174	31,267
24-Jun	0	27,451	27,624	27,879	28,128	28,526	28,611
25-Jun	0	27,451	27,624	27,879	28,128	28,526	28,611
26-Jun	0	26,264	26,430	26,674	26,912	27,293	27,374
27-Jun	0	23,777	23,928	24,148	24,363	24,708	24,782
28-Jun	0	24,565	24,721	24,949	25,171	25,527	25,604
29-Jun	0	25,977	26,142	26,383	26,618	26,995	27,075
30-Jun	0	26,402	26,569	26,814	27,053	27,436	27,518
1-Jul	0	26,827	26,996	27,246	27,488	27,878	27,961
2-Jul	0	26,827	26,996	27,246	27,488	27,878	27,961
3-Jul	0	25,415	25,575	25,812	26,041	26,410	26,489
4-Jul	0	23,578	23,727	23,946	24,159	24,501	24,575
5-Jul	0	24,140	24,293	24,517	24,736	25,086	25,161
6-Jul	0	26,003	26,168	26,410	26,645	27,022	27,103
7-Jul	0	26,003	26,168	26,410	26,645	27,022	27,103
8-Jul	0	25,804	25,968	26,207	26,441	26,815	26,895
9-Jul	0	25,605	25,767	26,005	26,236	26,608	26,687
10-Jul	0	23,118	23,264	23,479	23,688	24,023	24,095
11-Jul	0	20,605	20,735	20,926	21,113	21,412	21,476
12-Jul	0	22,866	23,011	23,223	23,430	23,762	23,833
13-Jul	0	26,003	26,168	26,410	26,645	27,022	27,103
14-Jul	0	26,229	26,395	26,639	26,876	27,256	27,338
15-Jul	0	25,379	25,540	25,776	26,005	26,374	26,452
16-Jul	0	25,180	25,340	25,574	25,801	26,167	26,245
17-Jul	0	23,343	23,491	23,708	23,919	24,258	24,330
18-Jul	0	21,082	21,215	21,411	21,602	21,908	21,973
19-Jul	0	21,644	21,781	21,983	22,178	22,492	22,559
20-Jul	0	23,056	23,202	23,417	23,625	23,960	24,031
21-Jul	0	24,132	24,284	24,509	24,727	25,077	25,152
22-Jul	0	23,906	24,057	24,279	24,495	24,842	24,917
23-Jul	0	23,680	23,830	24,050	24,264	24,608	24,682
24-Jul	0	22,892	23,037	23,250	23,457	23,789	23,860
25-Jul	0	21,680	21,817	22,018	22,214	22,529	22,596
26-Jul	0	23,092	23,238	23,452	23,661	23,996	24,068
27-Jul	0	25,379	25,540	25,776	26,005	26,374	26,452
28-Jul	0	25,379	25,540	25,776	26,005	26,374	26,452
29-Jul	0	24,955	25,113	25,345	25,570	25,932	26,010
30-Jul	0	24,955	25,113	25,345	25,570	25,932	26,010
31-Jul	0	23,092	23,238	23,452	23,661	23,996	24,068
1-Aug	0	22,330	22,471	22,679	22,880	23,205	23,274
2-Aug	0	23,768	23,919	24,139	24,354	24,699	24,773

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3-Aug	0	24,132	24,284	24,509	24,727	25,077	25,152
4-Aug	0	23,707	23,857	24,077	24,291	24,635	24,709
5-Aug	0	23,481	23,630	23,848	24,060	24,401	24,474
6-Aug	0	23,455	23,603	23,821	24,033	24,374	24,446
7-Aug	0	23,092	23,238	23,452	23,661	23,996	24,068
8-Aug	0	22,529	22,672	22,881	23,085	23,412	23,481
9-Aug	0	23,742	23,892	24,113	24,327	24,672	24,746
10-Aug	0	24,955	25,113	25,345	25,570	25,932	26,010
11-Aug	0	24,955	25,113	25,345	25,570	25,932	26,010
12-Aug	0	24,504	24,659	24,886	25,108	25,464	25,540
13-Aug	0	25,579	25,741	25,978	26,209	26,581	26,660
14-Aug	0	24,366	24,520	24,747	24,967	25,320	25,396
15-Aug	0	22,078	22,218	22,423	22,622	22,943	23,011
16-Aug	0	24,366	24,520	24,747	24,967	25,320	25,396
17-Aug	0	26,003	26,168	26,410	26,645	27,022	27,103
18-Aug	0	25,353	25,514	25,749	25,978	26,346	26,425
19-Aug	0	25,552	25,714	25,952	26,182	26,553	26,633
20-Aug	1	24,823	24,980	25,211	25,435	25,796	25,873
21-Aug	1	26,584	26,752	26,999	27,239	27,625	27,707
22-Aug	0	29,498	29,685	29,959	30,225	30,654	30,745
23-Aug	0	27,937	28,114	28,373	28,626	29,031	29,118
24-Aug	0	27,026	27,197	27,448	27,692	28,085	28,168
25-Aug	0	27,451	27,624	27,879	28,128	28,526	28,611
26-Aug	0	27,676	27,851	28,109	28,359	28,760	28,846
27-Aug	0	27,477	27,651	27,906	28,154	28,553	28,639
28-Aug	0	25,215	25,375	25,609	25,837	26,203	26,281
29-Aug	0	22,277	22,418	22,625	22,827	23,150	23,219
30-Aug	0	24,114	24,267	24,491	24,709	25,059	25,133
31-Aug	0	27,026	27,197	27,448	27,692	28,085	28,168
1-Sep	0	27,225	27,397	27,650	27,896	28,292	28,376
2-Sep	0	27,650	27,825	28,082	28,332	28,733	28,819
3-Sep	0	28,075	28,252	28,513	28,767	29,174	29,261
4-Sep	0	26,437	26,604	26,850	27,089	27,473	27,555
5-Sep	0	24,574	24,729	24,958	25,180	25,537	25,613
6-Sep	0	26,636	26,805	27,052	27,293	27,680	27,762
7-Sep	0	28,699	28,880	29,147	29,406	29,823	29,912
8-Sep	0	28,473	28,653	28,918	29,175	29,588	29,677
9-Sep	1	28,221	28,400	28,662	28,917	29,327	29,414
10-Sep	4	29,244	29,429	29,701	29,965	30,389	30,480
11-Sep	4	30,155	30,345	30,626	30,898	31,336	31,429
12-Sep	0	30,919	31,115	31,402	31,681	32,130	32,226
13-Sep	0	30,658	30,852	31,137	31,414	31,859	31,954
14-Sep	0	29,747	29,936	30,212	30,481	30,913	31,005
15-Sep	2	28,420	28,600	28,864	29,121	29,534	29,622
16-Sep	3	29,894	30,083	30,361	30,631	31,065	31,158
17-Sep	0	32,469	32,674	32,976	33,269	33,741	33,841
18-Sep	0	30,406	30,599	30,881	31,156	31,598	31,692
19-Sep	2	27,694	27,869	28,126	28,377	28,779	28,865
20-Sep	6	28,854	29,037	29,305	29,566	29,984	30,074
21-Sep	4	33,066	33,276	33,583	33,882	34,362	34,464
22-Sep	0	34,593	34,811	35,133	35,446	35,948	36,055
23-Sep	6	31,341	31,540	31,831	32,114	32,569	32,666
24-Sep	9	40,211	40,466	40,839	41,203	41,786	41,911
25-Sep	1	35,079	35,301	35,627	35,944	36,453	36,562
26-Sep	0	30,866	31,062	31,349	31,627	32,075	32,171

Date	RI HDDn	RI SFT2 2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
27-Sep	1	30,406	30,599	30,881	31,156	31,598	31,692
28-Sep	4	31,367	31,566	31,857	32,141	32,596	32,693
29-Sep	7	31,116	31,313	31,602	31,883	32,334	32,431
30-Sep	11	51,733	52,060	52,541	53,009	53,759	53,920
1-Oct	0	36,637	36,869	37,210	37,541	38,073	38,186
2-Oct	5	35,451	35,675	36,005	36,325	36,840	36,950
3-Oct	7	30,814	31,009	31,295	31,574	32,021	32,116
4-Oct	0	32,451	32,657	32,958	33,251	33,722	33,823
5-Oct	4	35,615	35,840	36,171	36,493	37,010	37,121
6-Oct	0	36,999	37,233	37,577	37,911	38,448	38,563
7-Oct	3	34,991	35,212	35,538	35,854	36,362	36,470
8-Oct	0	41,910	42,175	42,565	42,943	43,552	43,682
9-Oct	11	50,520	50,840	51,309	51,766	52,499	52,656
10-Oct	20	96,484	97,094	97,991	98,863	100,263	100,562
11-Oct	17	88,059	88,617	89,435	90,231	91,509	91,782
12-Oct	15	82,422	82,944	83,710	84,455	85,651	85,907
13-Oct	9	50,830	51,152	51,624	52,083	52,821	52,979
14-Oct	6	39,411	39,661	40,027	40,383	40,955	41,078
15-Oct	5	35,814	36,041	36,374	36,697	37,217	37,328
16-Oct	13	59,918	60,298	60,854	61,396	62,265	62,451
17-Oct	17	80,900	81,412	82,164	82,895	84,069	84,320
18-Oct	16	82,723	83,247	84,015	84,763	85,963	86,220
19-Oct	11	61,078	61,464	62,032	62,584	63,470	63,660
20-Oct	8	43,795	44,072	44,479	44,874	45,510	45,646
21-Oct	10	50,220	50,537	51,004	51,458	52,187	52,342
22-Oct	19	93,998	94,593	95,466	96,316	97,680	97,972
23-Oct	22	111,767	112,474	113,513	114,523	116,145	116,492
24-Oct	19	100,492	101,128	102,062	102,970	104,428	104,740
25-Oct	21	111,953	112,661	113,702	114,713	116,338	116,685
26-Oct	12	68,962	69,399	70,040	70,663	71,664	71,878
27-Oct	14	75,812	76,292	76,996	77,681	78,782	79,017
28-Oct	14	72,839	73,300	73,977	74,635	75,692	75,918
29-Oct	10	54,042	54,384	54,887	55,375	56,159	56,327
30-Oct	6	37,774	38,013	38,364	38,705	39,254	39,371
31-Oct	2	33,640	33,853	34,166	34,470	34,958	35,062
Nov	610	3,249,936	3,251,056	3,271,632	3,301,843	3,331,218	3,378,403
Dec	892	4,889,451	4,891,135	4,922,091	4,967,544	5,011,738	5,082,726
Jan	1,083	5,976,015	5,978,073	6,015,909	6,071,462	6,125,477	6,212,241
Feb	946	5,232,790	5,234,592	5,267,722	5,316,366	5,363,664	5,439,637
Mar	812	4,455,907	4,457,441	4,485,653	4,527,075	4,567,350	4,632,045
Apr	464	2,469,455	2,485,084	2,508,032	2,530,345	2,566,186	2,573,848
May	191	1,407,368	1,416,275	1,429,353	1,442,070	1,462,496	1,466,862
Jun	41	896,553	902,228	910,559	918,660	931,672	934,454
Jul	0	751,851	756,609	763,596	770,389	781,302	783,634
Aug	2	775,050	779,955	787,158	794,160	805,409	807,814
Sep	65	924,229	930,079	938,667	947,018	960,432	963,300
Oct	316	1,868,321	1,880,146	1,897,508	1,914,389	1,941,505	1,947,302
Total	5,422	32,896,924	32,962,671	33,197,881	33,501,322	33,848,449	34,222,266

Date	RI HDDn	RI FT-1 capacity-eligible 2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
1-Nov	15	8,788	9,203	9,218	9,235	9,263	9,304
2-Nov	10	8,691	9,101	9,116	9,133	9,161	9,201
3-Nov	14	9,850	10,314	10,332	10,350	10,382	10,428
4-Nov	12	9,345	9,786	9,803	9,820	9,851	9,894
5-Nov	17	10,594	11,094	11,112	11,132	11,167	11,216
6-Nov	17	9,792	10,254	10,271	10,289	10,321	10,367
7-Nov	14	8,320	8,713	8,727	8,743	8,770	8,809
8-Nov	14	9,123	9,553	9,569	9,586	9,616	9,658
9-Nov	17	10,644	11,146	11,165	11,185	11,219	11,269
10-Nov	14	10,000	10,471	10,489	10,508	10,540	10,587
11-Nov	13	9,760	10,220	10,237	10,256	10,288	10,333
12-Nov	13	9,660	10,116	10,133	10,151	10,182	10,227
13-Nov	17	9,717	10,175	10,192	10,211	10,242	10,287
14-Nov	16	8,700	9,110	9,126	9,142	9,170	9,211
15-Nov	20	10,611	11,111	11,130	11,150	11,185	11,234
16-Nov	23	12,282	12,862	12,883	12,906	12,946	13,003
17-Nov	17	11,018	11,538	11,558	11,578	11,614	11,665
18-Nov	24	12,622	13,217	13,239	13,263	13,304	13,363
19-Nov	26	13,126	13,745	13,769	13,793	13,836	13,897
20-Nov	27	12,714	13,313	13,336	13,360	13,401	13,460
21-Nov	27	11,912	12,473	12,494	12,517	12,556	12,611
22-Nov	32	14,012	14,673	14,698	14,724	14,770	14,835
23-Nov	34	15,494	16,225	16,252	16,281	16,332	16,403
24-Nov	37	16,388	17,161	17,190	17,220	17,274	17,350
25-Nov	37	16,513	17,291	17,321	17,351	17,405	17,482
26-Nov	24	13,471	14,106	14,130	14,155	14,199	14,261
27-Nov	15	10,111	10,588	10,606	10,625	10,658	10,705
28-Nov	18	9,404	9,848	9,864	9,882	9,913	9,956
29-Nov	20	10,611	11,111	11,130	11,150	11,185	11,234
30-Nov	26	13,051	13,667	13,690	13,714	13,757	13,818
1-Dec	16	10,854	11,365	11,385	11,405	11,440	11,491
2-Dec	24	12,672	13,269	13,292	13,315	13,357	13,416
3-Dec	26	13,101	13,719	13,742	13,767	13,810	13,871
4-Dec	29	13,193	13,815	13,839	13,863	13,907	13,968
5-Dec	21	10,523	11,019	11,038	11,057	11,092	11,141
6-Dec	33	14,152	14,820	14,845	14,871	14,917	14,983
7-Dec	24	12,971	13,583	13,606	13,630	13,673	13,733
8-Dec	18	11,608	12,155	12,176	12,197	12,235	12,289
9-Dec	25	12,912	13,521	13,543	13,567	13,610	13,670
10-Dec	20	11,738	12,291	12,312	12,334	12,372	12,427
11-Dec	18	10,431	10,923	10,941	10,961	10,995	11,043
12-Dec	23	10,578	11,077	11,096	11,115	11,150	11,199
13-Dec	22	11,290	11,823	11,843	11,864	11,901	11,953
14-Dec	35	15,384	16,110	16,137	16,166	16,216	16,287
15-Dec	39	16,643	17,428	17,457	17,488	17,543	17,620
16-Dec	34	15,868	16,617	16,645	16,674	16,726	16,800
17-Dec	27	14,165	14,833	14,858	14,884	14,931	14,997
18-Dec	35	14,906	15,609	15,636	15,664	15,712	15,782
19-Dec	28	12,376	12,960	12,982	13,005	13,045	13,103
20-Dec	41	16,395	17,168	17,197	17,228	17,281	17,357
21-Dec	42	17,662	18,495	18,526	18,559	18,616	18,698
22-Dec	29	14,894	15,597	15,623	15,651	15,699	15,768
23-Dec	18	11,957	12,521	12,542	12,565	12,604	12,659
24-Dec	23	12,557	13,149	13,171	13,195	13,236	13,294
25-Dec	35	14,407	15,087	15,112	15,139	15,186	15,253

Date	RI HDDn	RI FT-1 capacity-eligible 2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
26-Dec	36	14,194	14,864	14,889	14,915	14,962	15,028
27-Dec	42	16,834	17,628	17,658	17,690	17,745	17,823
28-Dec	43	18,126	18,981	19,013	19,047	19,106	19,190
29-Dec	28	14,704	15,398	15,424	15,451	15,499	15,567
30-Dec	31	15,074	15,785	15,812	15,840	15,889	15,959
31-Dec	27	13,815	14,467	14,491	14,517	14,562	14,627
1-Jan	49	18,188	19,046	19,078	19,112	19,172	19,256
2-Jan	35	14,404	15,083	15,109	15,135	15,183	15,249
3-Jan	21	12,124	12,696	12,717	12,740	12,779	12,836
4-Jan	25	13,261	13,886	13,910	13,935	13,978	14,040
5-Jan	19	11,573	12,119	12,139	12,161	12,199	12,252
6-Jan	24	12,722	13,322	13,344	13,368	13,410	13,469
7-Jan	33	14,855	15,555	15,581	15,609	15,658	15,727
8-Jan	35	15,684	16,423	16,451	16,480	16,532	16,604
9-Jan	35	14,204	14,874	14,899	14,926	14,972	15,038
10-Jan	25	12,733	13,334	13,356	13,380	13,422	13,481
11-Jan	37	16,238	17,004	17,033	17,063	17,116	17,191
12-Jan	42	17,487	18,312	18,342	18,375	18,432	18,513
13-Jan	35	16,233	16,998	17,027	17,057	17,111	17,186
14-Jan	40	17,382	18,202	18,232	18,265	18,322	18,402
15-Jan	37	15,735	16,478	16,505	16,535	16,586	16,659
16-Jan	25	12,031	12,599	12,620	12,642	12,682	12,737
17-Jan	44	17,089	17,895	17,925	17,957	18,013	18,093
18-Jan	51	19,819	20,754	20,789	20,826	20,891	20,983
19-Jan	54	21,188	22,187	22,224	22,264	22,333	22,432
20-Jan	39	17,841	18,682	18,714	18,747	18,806	18,888
21-Jan	34	16,343	17,113	17,142	17,173	17,226	17,302
22-Jan	29	13,767	14,417	14,441	14,467	14,512	14,576
23-Jan	28	12,401	12,986	13,008	13,031	13,071	13,129
24-Jan	39	15,766	16,509	16,537	16,566	16,618	16,691
25-Jan	23	13,056	13,672	13,695	13,719	13,762	13,823
26-Jan	36	16,048	16,805	16,833	16,863	16,916	16,990
27-Jan	40	16,932	17,731	17,761	17,793	17,848	17,926
28-Jan	28	14,480	15,163	15,188	15,215	15,262	15,330
29-Jan	41	16,520	17,299	17,328	17,359	17,413	17,490
30-Jan	42	15,907	16,658	16,686	16,715	16,767	16,841
31-Jan	38	16,175	16,938	16,966	16,997	17,049	17,124
1-Feb	17	11,942	12,505	12,526	12,549	12,588	12,643
2-Feb	23	12,757	13,358	13,381	13,405	13,446	13,505
3-Feb	38	15,979	16,732	16,760	16,790	16,842	16,917
4-Feb	38	16,503	17,281	17,310	17,341	17,395	17,472
5-Feb	49	18,638	19,517	19,549	19,584	19,645	19,732
6-Feb	47	17,556	18,384	18,415	18,447	18,505	18,586
7-Feb	48	18,897	19,788	19,822	19,857	19,919	20,006
8-Feb	35	16,632	17,417	17,446	17,477	17,532	17,609
9-Feb	37	16,812	17,605	17,635	17,666	17,721	17,799
10-Feb	33	15,579	16,313	16,341	16,370	16,421	16,493
11-Feb	35	16,008	16,763	16,791	16,821	16,874	16,948
12-Feb	31	14,122	14,788	14,813	14,839	14,886	14,951
13-Feb	36	14,394	15,073	15,098	15,125	15,172	15,239
14-Feb	38	15,775	16,520	16,547	16,577	16,628	16,702
15-Feb	29	14,669	15,361	15,387	15,415	15,463	15,531
16-Feb	30	14,734	15,429	15,455	15,483	15,531	15,599
17-Feb	31	14,775	15,471	15,497	15,525	15,573	15,642
18-Feb	28	14,105	14,770	14,795	14,822	14,868	14,933

Date	RI HDDn	RI FT-1 capacity-eligible 2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
19-Feb	33	14,377	15,055	15,080	15,107	15,154	15,221
20-Feb	23	11,152	11,678	11,698	11,719	11,755	11,807
21-Feb	35	14,782	15,479	15,505	15,532	15,581	15,649
22-Feb	38	16,428	17,203	17,232	17,262	17,316	17,392
23-Feb	17	11,767	12,322	12,343	12,365	12,404	12,458
24-Feb	31	14,675	15,367	15,393	15,420	15,468	15,536
25-Feb	38	16,178	16,941	16,970	17,000	17,053	17,128
26-Feb	38	15,825	16,572	16,600	16,629	16,681	16,754
27-Feb	36	14,644	15,334	15,360	15,387	15,435	15,503
28-Feb	34	14,991	15,698	15,725	15,753	15,802	15,871
1-Mar	40	17,207	18,019	18,049	18,081	18,137	18,217
2-Mar	29	14,669	15,361	15,387	15,415	15,463	15,531
3-Mar	37	16,463	17,239	17,268	17,299	17,353	17,429
4-Mar	36	16,148	16,910	16,938	16,968	17,021	17,096
5-Mar	23	12,329	12,910	12,932	12,955	12,995	13,053
6-Mar	30	12,781	13,383	13,406	13,430	13,472	13,531
7-Mar	27	12,789	13,392	13,414	13,438	13,480	13,539
8-Mar	34	15,444	16,172	16,200	16,228	16,279	16,351
9-Mar	38	16,503	17,281	17,310	17,341	17,395	17,472
10-Mar	39	17,017	17,820	17,850	17,882	17,937	18,016
11-Mar	18	12,107	12,678	12,699	12,722	12,762	12,818
12-Mar	14	9,772	10,232	10,250	10,268	10,300	10,345
13-Mar	19	9,469	9,916	9,933	9,950	9,981	10,025
14-Mar	17	9,892	10,358	10,376	10,394	10,427	10,472
15-Mar	22	12,042	12,610	12,632	12,654	12,694	12,749
16-Mar	23	12,357	12,940	12,962	12,985	13,025	13,083
17-Mar	30	14,185	14,854	14,879	14,906	14,952	15,018
18-Mar	23	12,707	13,306	13,328	13,352	13,394	13,453
19-Mar	24	12,069	12,639	12,660	12,682	12,722	12,778
20-Mar	24	11,042	11,563	11,583	11,603	11,640	11,691
21-Mar	24	11,945	12,508	12,529	12,551	12,590	12,646
22-Mar	18	11,383	11,920	11,940	11,961	11,998	12,051
23-Mar	21	11,953	12,516	12,537	12,560	12,599	12,654
24-Mar	25	12,837	13,442	13,465	13,489	13,531	13,590
25-Mar	19	11,573	12,119	12,139	12,161	12,199	12,252
26-Mar	24	11,845	12,403	12,424	12,446	12,485	12,540
27-Mar	36	13,820	14,472	14,496	14,522	14,567	14,631
28-Mar	37	15,361	16,085	16,113	16,141	16,192	16,263
29-Mar	26	13,925	14,582	14,607	14,633	14,678	14,743
30-Mar	17	11,518	12,061	12,081	12,103	12,140	12,194
31-Mar	18	11,258	11,789	11,809	11,830	11,867	11,919
1-Apr	20	12,082	12,103	12,124	12,162	12,215	12,214
2-Apr	21	12,412	12,433	12,455	12,494	12,548	12,547
3-Apr	24	12,325	12,346	12,368	12,406	12,461	12,459
4-Apr	17	9,753	9,770	9,787	9,818	9,861	9,860
5-Apr	36	15,338	15,364	15,391	15,439	15,507	15,505
6-Apr	27	14,310	14,334	14,360	14,405	14,468	14,466
7-Apr	16	11,810	11,830	11,851	11,888	11,940	11,938
8-Apr	25	13,547	13,569	13,594	13,636	13,696	13,694
9-Apr	10	9,728	9,745	9,762	9,792	9,836	9,834
10-Apr	19	10,913	10,931	10,951	10,985	11,033	11,031
11-Apr	18	9,586	9,602	9,620	9,650	9,692	9,691
12-Apr	16	10,212	10,229	10,247	10,279	10,324	10,323
13-Apr	5	8,326	8,340	8,355	8,381	8,418	8,417
14-Apr	15	10,461	10,478	10,497	10,530	10,576	10,575

Date	RI HDDn	RI FT-1 capacity-eligible 2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
15-Apr	15	10,435	10,452	10,471	10,504	10,550	10,548
16-Apr	20	11,951	11,972	11,993	12,030	12,083	12,081
17-Apr	20	11,164	11,183	11,202	11,237	11,287	11,285
18-Apr	12	8,367	8,382	8,396	8,423	8,460	8,458
19-Apr	13	9,328	9,344	9,360	9,389	9,431	9,429
20-Apr	5	8,091	8,105	8,119	8,144	8,180	8,179
21-Apr	13	9,880	9,897	9,915	9,945	9,989	9,988
22-Apr	7	8,374	8,388	8,403	8,429	8,466	8,465
23-Apr	13	9,933	9,949	9,967	9,998	10,042	10,041
24-Apr	13	9,014	9,029	9,045	9,074	9,114	9,112
25-Apr	12	8,001	8,015	8,029	8,054	8,090	8,089
26-Apr	10	8,392	8,406	8,421	8,447	8,484	8,483
27-Apr	7	8,478	8,493	8,508	8,534	8,572	8,571
28-Apr	8	8,599	8,613	8,629	8,655	8,694	8,692
29-Apr	12	9,551	9,567	9,584	9,614	9,656	9,655
30-Apr	15	10,435	10,452	10,471	10,504	10,550	10,548
1-May	0	8,193	8,207	8,221	8,247	8,283	8,282
2-May	0	7,447	7,460	7,473	7,496	7,529	7,528
3-May	0	8,235	8,249	8,263	8,289	8,326	8,324
4-May	0	9,179	9,195	9,211	9,240	9,281	9,279
5-May	4	7,930	7,944	7,958	7,982	8,018	8,016
6-May	14	10,027	10,044	10,062	10,093	10,137	10,136
7-May	18	11,136	11,154	11,174	11,209	11,258	11,257
8-May	11	8,826	8,841	8,856	8,884	8,923	8,922
9-May	10	7,578	7,591	7,604	7,628	7,661	7,660
10-May	1	6,948	6,959	6,972	6,993	7,024	7,023
11-May	0	8,191	8,205	8,219	8,245	8,281	8,280
12-May	0	8,112	8,126	8,141	8,166	8,202	8,201
13-May	4	7,773	7,786	7,800	7,825	7,859	7,858
14-May	6	7,940	7,953	7,967	7,992	8,027	8,026
15-May	14	9,004	9,019	9,035	9,063	9,103	9,102
16-May	17	9,100	9,115	9,132	9,160	9,200	9,199
17-May	14	9,553	9,569	9,586	9,616	9,658	9,657
18-May	10	9,467	9,483	9,500	9,529	9,571	9,570
19-May	1	7,944	7,958	7,972	7,997	8,032	8,031
20-May	6	7,940	7,953	7,967	7,992	8,027	8,026
21-May	6	7,835	7,848	7,862	7,887	7,922	7,920
22-May	6	7,048	7,059	7,072	7,094	7,125	7,124
23-May	6	6,129	6,139	6,150	6,169	6,197	6,196
24-May	8	7,550	7,562	7,576	7,599	7,633	7,632
25-May	4	7,773	7,786	7,800	7,825	7,859	7,858
26-May	4	7,721	7,734	7,748	7,772	7,806	7,805
27-May	1	7,526	7,539	7,552	7,576	7,609	7,608
28-May	3	7,508	7,521	7,534	7,557	7,591	7,590
29-May	3	6,563	6,574	6,586	6,607	6,636	6,635
30-May	8	6,474	6,485	6,497	6,517	6,546	6,545
31-May	12	8,528	8,542	8,557	8,584	8,622	8,621
1-Jun	5	7,960	7,974	7,988	8,013	8,048	8,047
2-Jun	7	8,348	8,362	8,377	8,403	8,440	8,439
3-Jun	3	7,691	7,704	7,718	7,742	7,776	7,775
4-Jun	0	7,579	7,591	7,605	7,628	7,662	7,661
5-Jun	0	6,503	6,514	6,526	6,546	6,575	6,574
6-Jun	0	5,563	5,572	5,582	5,599	5,624	5,623
7-Jun	0	6,477	6,488	6,500	6,520	6,549	6,548
8-Jun	0	7,305	7,318	7,331	7,353	7,386	7,385

Date	RI HDDn	RI FT-1 capacity-eligible 2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
9-Jun	0	7,201	7,213	7,226	7,248	7,280	7,279
10-Jun	0	7,092	7,104	7,117	7,139	7,170	7,169
11-Jun	0	7,066	7,078	7,091	7,113	7,144	7,143
12-Jun	0	6,182	6,192	6,203	6,222	6,250	6,249
13-Jun	0	5,316	5,324	5,334	5,351	5,374	5,373
14-Jun	0	6,256	6,267	6,278	6,297	6,325	6,324
15-Jun	7	7,825	7,838	7,852	7,877	7,911	7,910
16-Jun	6	7,783	7,796	7,810	7,834	7,869	7,868
17-Jun	0	7,507	7,519	7,533	7,556	7,589	7,588
18-Jun	3	7,430	7,442	7,455	7,479	7,511	7,510
19-Jun	5	6,493	6,504	6,515	6,536	6,564	6,563
20-Jun	4	5,780	5,789	5,800	5,818	5,843	5,842
21-Jun	1	6,634	6,645	6,657	6,678	6,707	6,706
22-Jun	0	7,267	7,280	7,293	7,315	7,347	7,346
23-Jun	0	7,032	7,044	7,056	7,078	7,110	7,109
24-Jun	0	6,875	6,887	6,899	6,921	6,951	6,950
25-Jun	0	6,875	6,887	6,899	6,921	6,951	6,950
26-Jun	0	5,897	5,907	5,917	5,936	5,962	5,961
27-Jun	0	4,926	4,934	4,943	4,958	4,980	4,980
28-Jun	0	5,792	5,802	5,812	5,830	5,856	5,855
29-Jun	0	6,741	6,752	6,764	6,785	6,815	6,814
30-Jun	0	6,767	6,778	6,790	6,811	6,841	6,840
1-Jul	0	6,793	6,804	6,816	6,838	6,868	6,867
2-Jul	0	6,793	6,804	6,816	6,838	6,868	6,867
3-Jul	0	5,844	5,854	5,865	5,883	5,909	5,908
4-Jul	0	4,870	4,878	4,887	4,902	4,923	4,923
5-Jul	0	5,766	5,776	5,786	5,804	5,829	5,829
6-Jul	0	6,654	6,666	6,677	6,698	6,728	6,727
7-Jul	0	6,654	6,666	6,677	6,698	6,728	6,727
8-Jul	0	6,598	6,609	6,621	6,642	6,671	6,670
9-Jul	0	6,542	6,553	6,565	6,585	6,614	6,613
10-Jul	0	5,571	5,581	5,590	5,608	5,633	5,632
11-Jul	0	4,687	4,695	4,703	4,718	4,738	4,738
12-Jul	0	5,688	5,697	5,707	5,725	5,750	5,749
13-Jul	0	6,654	6,666	6,677	6,698	6,728	6,727
14-Jul	0	6,624	6,635	6,647	6,668	6,697	6,696
15-Jul	0	6,572	6,583	6,595	6,615	6,644	6,643
16-Jul	0	6,516	6,527	6,538	6,559	6,588	6,587
17-Jul	0	5,541	5,550	5,560	5,578	5,602	5,601
18-Jul	0	4,540	4,548	4,556	4,570	4,590	4,590
19-Jul	0	5,436	5,446	5,455	5,472	5,496	5,496
20-Jul	0	6,385	6,396	6,407	6,427	6,455	6,454
21-Jul	0	6,407	6,418	6,429	6,449	6,478	6,477
22-Jul	0	6,437	6,448	6,460	6,480	6,508	6,507
23-Jul	0	6,467	6,478	6,490	6,510	6,539	6,538
24-Jul	0	5,601	5,611	5,621	5,638	5,663	5,662
25-Jul	0	4,709	4,717	4,725	4,740	4,761	4,760
26-Jul	0	5,657	5,667	5,677	5,695	5,720	5,719
27-Jul	0	6,572	6,583	6,595	6,615	6,644	6,643
28-Jul	0	6,572	6,583	6,595	6,615	6,644	6,643
29-Jul	0	6,546	6,557	6,569	6,589	6,618	6,617
30-Jul	0	6,546	6,557	6,569	6,589	6,618	6,617
31-Jul	0	5,657	5,667	5,677	5,695	5,720	5,719
1-Aug	0	4,705	4,713	4,721	4,736	4,757	4,756
2-Aug	0	5,567	5,577	5,587	5,604	5,629	5,628

Date	RI HDDn	RI FT-1 capacity-eligible 2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
3-Aug	0	6,407	6,418	6,429	6,449	6,478	6,477
4-Aug	0	6,381	6,392	6,403	6,423	6,451	6,450
5-Aug	0	6,411	6,422	6,433	6,453	6,482	6,481
6-Aug	0	6,497	6,508	6,520	6,540	6,569	6,568
7-Aug	0	5,657	5,667	5,677	5,695	5,720	5,719
8-Aug	0	4,761	4,769	4,778	4,793	4,814	4,813
9-Aug	0	5,653	5,663	5,673	5,691	5,716	5,715
10-Aug	0	6,546	6,557	6,569	6,589	6,618	6,617
11-Aug	0	6,546	6,557	6,569	6,589	6,618	6,617
12-Aug	0	6,606	6,617	6,629	6,650	6,679	6,678
13-Aug	0	6,628	6,639	6,651	6,672	6,701	6,700
14-Aug	0	5,736	5,746	5,756	5,774	5,799	5,798
15-Aug	0	4,821	4,829	4,838	4,853	4,875	4,874
16-Aug	0	5,736	5,746	5,756	5,774	5,799	5,798
17-Aug	0	6,654	6,666	6,677	6,698	6,728	6,727
18-Aug	0	6,658	6,669	6,681	6,702	6,732	6,731
19-Aug	0	6,714	6,726	6,738	6,759	6,788	6,787
20-Aug	1	6,977	6,989	7,002	7,023	7,054	7,053
21-Aug	1	6,268	6,279	6,290	6,309	6,337	6,336
22-Aug	0	5,322	5,331	5,340	5,357	5,381	5,380
23-Aug	0	6,088	6,098	6,109	6,128	6,155	6,154
24-Aug	0	6,849	6,861	6,873	6,894	6,925	6,924
25-Aug	0	6,875	6,887	6,899	6,921	6,951	6,950
26-Aug	0	6,845	6,857	6,869	6,890	6,921	6,920
27-Aug	0	6,789	6,800	6,812	6,834	6,864	6,863
28-Aug	0	5,788	5,798	5,808	5,826	5,852	5,851
29-Aug	0	4,878	4,886	4,895	4,910	4,931	4,931
30-Aug	0	5,852	5,862	5,873	5,891	5,917	5,916
31-Aug	0	6,849	6,861	6,873	6,894	6,925	6,924
1-Sep	0	6,905	6,917	6,929	6,951	6,981	6,980
2-Sep	0	6,931	6,943	6,956	6,977	7,008	7,007
3-Sep	0	6,958	6,969	6,982	7,003	7,034	7,033
4-Sep	0	6,039	6,049	6,060	6,079	6,106	6,105
5-Sep	0	5,151	5,159	5,169	5,185	5,208	5,207
6-Sep	0	6,095	6,106	6,117	6,136	6,163	6,162
7-Sep	0	7,040	7,052	7,064	7,086	7,118	7,117
8-Sep	0	7,070	7,082	7,095	7,117	7,148	7,147
9-Sep	1	7,186	7,199	7,211	7,234	7,266	7,265
10-Sep	4	7,381	7,394	7,407	7,430	7,463	7,462
11-Sep	4	6,620	6,631	6,643	6,663	6,693	6,692
12-Sep	0	5,629	5,639	5,649	5,666	5,691	5,690
13-Sep	0	6,387	6,398	6,409	6,429	6,457	6,456
14-Sep	0	7,148	7,161	7,173	7,196	7,227	7,226
15-Sep	2	7,243	7,255	7,268	7,290	7,322	7,321
16-Sep	3	7,377	7,390	7,403	7,426	7,459	7,458
17-Sep	0	7,448	7,460	7,474	7,497	7,530	7,529
18-Sep	0	6,503	6,514	6,526	6,546	6,575	6,574
19-Sep	2	5,563	5,572	5,582	5,599	5,624	5,623
20-Sep	6	6,812	6,824	6,836	6,857	6,887	6,886
21-Sep	4	7,616	7,629	7,643	7,667	7,700	7,699
22-Sep	0	7,579	7,591	7,605	7,628	7,662	7,661
23-Sep	6	7,783	7,796	7,810	7,834	7,869	7,868
24-Sep	9	8,588	8,603	8,618	8,645	8,683	8,682
25-Sep	1	6,791	6,802	6,814	6,836	6,866	6,865
26-Sep	0	5,802	5,812	5,822	5,840	5,866	5,865

Date	RI HDDn	RI FT-1 capacity-eligible 2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
27-Sep	1	6,503	6,514	6,526	6,546	6,575	6,574
28-Sep	4	7,512	7,525	7,538	7,561	7,595	7,594
29-Sep	7	8,034	8,048	8,062	8,087	8,123	8,121
30-Sep	11	9,195	9,211	9,227	9,256	9,297	9,295
1-Oct	0	8,374	8,388	8,403	8,429	8,466	8,465
2-Oct	5	6,990	7,001	7,014	7,036	7,067	7,066
3-Oct	7	6,380	6,391	6,402	6,422	6,450	6,450
4-Oct	0	7,299	7,311	7,324	7,347	7,379	7,378
5-Oct	4	7,773	7,786	7,800	7,825	7,859	7,858
6-Oct	0	8,442	8,456	8,471	8,498	8,535	8,534
7-Oct	3	7,691	7,704	7,718	7,742	7,776	7,775
8-Oct	0	8,693	8,708	8,723	8,750	8,789	8,788
9-Oct	11	8,303	8,317	8,332	8,358	8,394	8,393
10-Oct	20	9,853	9,870	9,887	9,918	9,962	9,960
11-Oct	17	10,306	10,323	10,342	10,374	10,420	10,418
12-Oct	15	10,879	10,897	10,917	10,951	10,999	10,997
13-Oct	9	9,242	9,258	9,274	9,303	9,344	9,343
14-Oct	6	8,280	8,294	8,308	8,334	8,371	8,370
15-Oct	5	7,830	7,843	7,857	7,881	7,916	7,915
16-Oct	13	8,779	8,794	8,809	8,837	8,876	8,874
17-Oct	17	9,048	9,063	9,079	9,107	9,147	9,146
18-Oct	16	10,029	10,046	10,064	10,095	10,139	10,138
19-Oct	11	9,770	9,787	9,804	9,835	9,878	9,877
20-Oct	8	8,860	8,875	8,891	8,919	8,958	8,957
21-Oct	10	9,153	9,169	9,185	9,214	9,254	9,253
22-Oct	19	11,387	11,406	11,426	11,462	11,512	11,511
23-Oct	22	11,509	11,528	11,549	11,585	11,636	11,634
24-Oct	19	10,151	10,168	10,186	10,218	10,263	10,261
25-Oct	21	11,572	11,591	11,612	11,648	11,699	11,698
26-Oct	12	10,204	10,222	10,240	10,272	10,317	10,315
27-Oct	14	10,523	10,541	10,560	10,593	10,639	10,638
28-Oct	14	10,340	10,358	10,376	10,409	10,454	10,453
29-Oct	10	9,388	9,404	9,421	9,450	9,492	9,491
30-Oct	6	7,361	7,374	7,387	7,410	7,442	7,441
31-Oct	2	5,929	5,939	5,949	5,968	5,994	5,993
Nov	610	336,324	352,186	352,779	353,408	354,508	356,068
Dec	892	425,985	446,076	446,828	447,624	449,017	450,993
Jan	1,083	478,186	500,739	501,582	502,476	504,040	506,258
Feb	946	424,696	444,726	445,475	446,269	447,658	449,628
Mar	812	404,408	423,481	424,195	424,951	426,273	428,149
Apr	464	310,796	311,319	311,874	312,845	314,222	314,176
May	191	251,178	251,601	252,049	252,834	253,946	253,910
Jun	41	204,160	204,505	204,869	205,506	206,411	206,381
Jul	0	187,901	188,218	188,553	189,140	189,972	189,945
Aug	2	190,067	190,387	190,727	191,320	192,162	192,135
Sep	65	208,891	209,243	209,616	210,268	211,193	211,163
Oct	316	280,338	280,810	281,311	282,186	283,428	283,387
Total	5,422	3,702,929	3,803,291	3,809,858	3,818,827	3,832,831	3,842,193

Date	RI HDDn	RI FIRM_CE + Non-Firm 2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
1-Nov	15	21,106	21,830	21,846	21,865	21,922	21,993
2-Nov	10	20,583	21,293	21,309	21,327	21,384	21,453
3-Nov	14	22,002	22,755	22,771	22,790	22,850	22,923
4-Nov	12	21,713	22,457	22,473	22,492	22,551	22,623
5-Nov	17	23,647	24,453	24,469	24,489	24,552	24,630
6-Nov	17	22,134	22,885	22,900	22,917	22,976	23,048
7-Nov	14	20,078	20,757	20,770	20,785	20,838	20,903
8-Nov	14	20,796	21,503	21,517	21,534	21,589	21,658
9-Nov	17	23,674	24,480	24,496	24,515	24,579	24,656
10-Nov	14	22,353	23,116	23,131	23,149	23,210	23,283
11-Nov	13	22,362	23,124	23,140	23,158	23,218	23,292
12-Nov	13	22,047	22,800	22,816	22,834	22,894	22,967
13-Nov	17	22,369	23,129	23,144	23,162	23,222	23,295
14-Nov	16	20,847	21,552	21,565	21,581	21,637	21,704
15-Nov	20	23,544	24,339	24,353	24,371	24,433	24,509
16-Nov	23	25,688	26,556	26,572	26,591	26,659	26,742
17-Nov	17	23,590	24,387	24,402	24,420	24,483	24,559
18-Nov	24	25,986	26,863	26,878	26,898	26,966	27,050
19-Nov	26	26,538	27,431	27,447	27,467	27,537	27,622
20-Nov	27	25,612	26,468	26,482	26,500	26,566	26,647
21-Nov	27	24,343	25,153	25,166	25,182	25,244	25,321
22-Nov	32	26,975	27,871	27,884	27,902	27,970	28,055
23-Nov	34	27,506	28,399	28,407	28,421	28,488	28,570
24-Nov	37	27,187	28,055	28,059	28,071	28,135	28,213
25-Nov	37	26,832	27,675	27,676	27,685	27,746	27,821
26-Nov	24	26,091	26,958	26,971	26,988	27,055	27,137
27-Nov	15	21,940	22,674	22,685	22,701	22,757	22,827
28-Nov	18	21,208	21,922	21,934	21,950	22,005	22,074
29-Nov	20	23,526	24,321	24,335	24,353	24,415	24,492
30-Nov	26	26,240	27,125	27,141	27,160	27,229	27,314
1-Dec	16	23,879	24,685	24,700	24,718	24,781	24,858
2-Dec	24	26,013	26,889	26,905	26,924	26,993	27,076
3-Dec	26	26,276	27,160	27,176	27,196	27,265	27,349
4-Dec	29	26,416	27,299	27,313	27,332	27,400	27,484
5-Dec	21	22,734	23,491	23,503	23,518	23,577	23,649
6-Dec	33	26,539	27,410	27,421	27,436	27,502	27,584
7-Dec	24	26,147	27,023	27,038	27,057	27,125	27,208
8-Dec	18	23,733	24,530	24,544	24,561	24,623	24,699
9-Dec	25	26,267	27,152	27,167	27,187	27,256	27,340
10-Dec	20	24,648	25,481	25,496	25,514	25,580	25,659
11-Dec	18	22,575	23,335	23,348	23,365	23,424	23,497
12-Dec	23	23,097	23,873	23,886	23,902	23,963	24,036
13-Dec	22	24,429	25,250	25,264	25,282	25,346	25,424
14-Dec	35	27,381	28,274	28,283	28,298	28,365	28,448
15-Dec	39	26,688	27,532	27,534	27,544	27,605	27,681
16-Dec	34	28,076	28,993	29,003	29,019	29,088	29,173
17-Dec	27	27,411	28,322	28,336	28,354	28,424	28,510
18-Dec	35	26,238	27,084	27,091	27,103	27,166	27,244
19-Dec	28	24,722	25,541	25,552	25,568	25,631	25,708
20-Dec	41	25,345	26,125	26,122	26,128	26,183	26,251
21-Dec	42	26,895	27,722	27,719	27,725	27,783	27,855
22-Dec	29	27,554	28,465	28,478	28,495	28,565	28,650
23-Dec	18	24,419	25,233	25,246	25,263	25,326	25,403
24-Dec	23	25,778	26,645	26,660	26,679	26,747	26,830
25-Dec	35	26,032	26,879	26,887	26,901	26,964	27,042

Date	RI HDDn	RI FIRM_CE + Non-Firm 2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
26-Dec	36	24,711	25,499	25,503	25,513	25,571	25,642
27-Dec	42	26,117	26,920	26,917	26,923	26,979	27,049
28-Dec	43	27,245	28,084	28,081	28,087	28,146	28,219
29-Dec	28	27,572	28,483	28,495	28,513	28,582	28,668
30-Dec	31	28,216	29,153	29,167	29,186	29,258	29,346
31-Dec	27	26,717	27,610	27,625	27,643	27,713	27,798
1-Jan	49	27,984	28,845	28,842	28,848	28,909	28,984
2-Jan	35	25,734	26,572	26,580	26,594	26,657	26,734
3-Jan	21	23,809	24,595	24,605	24,620	24,680	24,754
4-Jan	25	26,121	26,997	27,011	27,030	27,098	27,182
5-Jan	19	23,590	24,387	24,402	24,420	24,483	24,559
6-Jan	24	25,995	26,872	26,887	26,907	26,975	27,059
7-Jan	33	27,932	28,862	28,876	28,894	28,966	29,054
8-Jan	35	27,488	28,381	28,389	28,404	28,471	28,553
9-Jan	35	25,014	25,814	25,819	25,830	25,889	25,961
10-Jan	25	25,555	26,403	26,415	26,431	26,496	26,576
11-Jan	37	27,124	27,992	27,997	28,009	28,073	28,152
12-Jan	42	26,421	27,234	27,231	27,237	27,294	27,365
13-Jan	35	27,730	28,622	28,629	28,642	28,708	28,790
14-Jan	40	26,690	27,520	27,520	27,527	27,587	27,660
15-Jan	37	25,972	26,794	26,796	26,806	26,866	26,939
16-Jan	25	24,322	25,124	25,134	25,149	25,210	25,285
17-Jan	44	26,460	27,319	27,327	27,340	27,405	27,484
18-Jan	51	27,530	28,378	28,375	28,381	28,440	28,514
19-Jan	54	31,559	32,531	32,527	32,534	32,602	32,687
20-Jan	39	28,841	29,729	29,726	29,732	29,794	29,871
21-Jan	34	27,376	28,231	28,231	28,240	28,301	28,377
22-Jan	29	26,783	27,666	27,677	27,693	27,761	27,843
23-Jan	28	24,766	25,585	25,596	25,612	25,675	25,752
24-Jan	39	25,580	26,389	26,392	26,401	26,460	26,533
25-Jan	23	25,170	26,011	26,024	26,042	26,107	26,186
26-Jan	36	27,506	28,399	28,407	28,421	28,488	28,570
27-Jan	40	26,457	27,288	27,289	27,298	27,358	27,432
28-Jan	28	27,438	28,349	28,362	28,380	28,450	28,536
29-Jan	41	25,278	26,063	26,062	26,068	26,124	26,193
30-Jan	42	24,176	24,920	24,918	24,923	24,975	25,040
31-Jan	38	26,025	26,847	26,849	26,859	26,918	26,992
1-Feb	17	23,396	24,176	24,188	24,204	24,264	24,338
2-Feb	23	26,112	26,988	27,003	27,021	27,089	27,173
3-Feb	38	26,483	27,326	27,330	27,341	27,403	27,479
4-Feb	38	26,733	27,576	27,579	27,588	27,649	27,724
5-Feb	49	27,518	28,365	28,362	28,368	28,428	28,501
6-Feb	47	27,004	27,835	27,832	27,837	27,896	27,968
7-Feb	48	28,401	29,275	29,272	29,278	29,340	29,416
8-Feb	35	27,704	28,584	28,588	28,599	28,663	28,743
9-Feb	37	27,170	28,026	28,027	28,037	28,098	28,175
10-Feb	33	28,076	28,993	29,003	29,019	29,088	29,173
11-Feb	35	27,436	28,316	28,322	28,334	28,399	28,480
12-Feb	31	27,145	28,041	28,052	28,069	28,138	28,221
13-Feb	36	24,605	25,380	25,382	25,391	25,447	25,516
14-Feb	38	25,500	26,297	26,298	26,305	26,362	26,433
15-Feb	29	27,447	28,358	28,371	28,389	28,459	28,545
16-Feb	30	27,620	28,540	28,554	28,572	28,643	28,730
17-Feb	31	28,055	28,992	29,007	29,027	29,099	29,188
18-Feb	28	26,997	27,899	27,914	27,932	28,002	28,088

Date	RI HDDn	RI FIRM_CE + Non-Firm 2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
19-Feb	33	27,011	27,907	27,919	27,937	28,006	28,090
20-Feb	23	21,965	22,696	22,707	22,722	22,778	22,847
21-Feb	35	26,539	27,410	27,421	27,436	27,502	27,584
22-Feb	38	27,035	27,903	27,909	27,921	27,985	28,064
23-Feb	17	24,681	25,504	25,517	25,534	25,598	25,676
24-Feb	31	28,055	28,992	29,007	29,027	29,099	29,188
25-Feb	38	26,999	27,867	27,873	27,886	27,950	28,029
26-Feb	38	25,891	26,713	26,716	26,726	26,786	26,860
27-Feb	36	25,076	25,877	25,881	25,891	25,950	26,023
28-Feb	34	26,763	27,634	27,643	27,657	27,722	27,803
1-Mar	40	26,387	27,205	27,204	27,211	27,269	27,341
2-Mar	29	27,429	28,340	28,353	28,371	28,441	28,527
3-Mar	37	27,196	28,064	28,068	28,080	28,143	28,222
4-Mar	36	27,364	28,245	28,251	28,264	28,329	28,409
5-Mar	23	24,768	25,590	25,601	25,617	25,680	25,758
6-Mar	30	25,771	26,625	26,637	26,653	26,719	26,799
7-Mar	27	25,928	26,793	26,806	26,824	26,891	26,973
8-Mar	34	27,506	28,399	28,407	28,421	28,488	28,570
9-Mar	38	26,733	27,576	27,579	27,588	27,649	27,724
10-Mar	39	26,645	27,476	27,476	27,483	27,543	27,616
11-Mar	18	24,490	25,305	25,317	25,333	25,396	25,473
12-Mar	14	21,624	22,349	22,361	22,376	22,433	22,501
13-Mar	19	21,688	22,419	22,432	22,448	22,506	22,576
14-Mar	17	22,450	23,210	23,224	23,241	23,301	23,374
15-Mar	22	25,137	25,987	26,003	26,022	26,088	26,170
16-Mar	23	25,706	26,574	26,589	26,609	26,677	26,760
17-Mar	30	27,938	28,876	28,892	28,912	28,985	29,074
18-Mar	23	25,858	26,726	26,740	26,759	26,826	26,909
19-Mar	24	24,834	25,664	25,677	25,695	25,759	25,838
20-Mar	24	23,476	24,260	24,272	24,288	24,349	24,423
21-Mar	24	24,780	25,610	25,624	25,642	25,706	25,785
22-Mar	18	24,177	24,992	25,007	25,025	25,088	25,166
23-Mar	21	24,928	25,769	25,785	25,803	25,869	25,950
24-Mar	25	26,249	27,134	27,150	27,169	27,238	27,323
25-Mar	19	24,151	24,965	24,980	24,998	25,062	25,140
26-Mar	24	24,184	24,997	25,011	25,028	25,092	25,169
27-Mar	36	24,728	25,528	25,535	25,547	25,607	25,681
28-Mar	37	25,997	26,832	26,837	26,849	26,910	26,986
29-Mar	26	26,588	27,473	27,487	27,504	27,573	27,656
30-Mar	17	24,040	24,846	24,860	24,877	24,939	25,016
31-Mar	18	24,115	24,930	24,945	24,963	25,027	25,105
1-Apr	20	25,400	25,416	25,435	25,500	25,580	25,586
2-Apr	21	25,716	25,731	25,751	25,816	25,897	25,902
3-Apr	24	24,690	24,704	24,722	24,784	24,861	24,865
4-Apr	17	22,246	22,259	22,274	22,330	22,399	22,403
5-Apr	36	27,294	27,305	27,322	27,388	27,470	27,472
6-Apr	27	27,828	27,843	27,862	27,932	28,018	28,022
7-Apr	16	24,557	24,571	24,588	24,650	24,726	24,730
8-Apr	25	27,178	27,194	27,213	27,282	27,367	27,372
9-Apr	10	22,401	22,415	22,432	22,490	22,561	22,566
10-Apr	19	23,796	23,811	23,828	23,889	23,963	23,968
11-Apr	18	22,112	22,126	22,142	22,198	22,268	22,272
12-Apr	16	22,974	22,988	23,005	23,064	23,136	23,141
13-Apr	5	20,929	20,944	20,961	21,016	21,083	21,088
14-Apr	15	23,044	23,060	23,079	23,139	23,213	23,219

Date	RI HDDn	RI FIRM_CE + Non-Firm 2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
15-Apr	15	23,568	23,585	23,604	23,666	23,741	23,747
16-Apr	20	24,778	24,794	24,813	24,877	24,956	24,961
17-Apr	20	23,490	23,504	23,521	23,582	23,655	23,660
18-Apr	12	19,944	19,956	19,971	20,022	20,084	20,088
19-Apr	13	21,774	21,788	21,805	21,861	21,930	21,935
20-Apr	5	20,262	20,277	20,294	20,348	20,414	20,420
21-Apr	13	22,710	22,727	22,746	22,806	22,879	22,885
22-Apr	7	20,742	20,758	20,775	20,831	20,898	20,904
23-Apr	13	22,999	23,016	23,035	23,095	23,169	23,175
24-Apr	13	21,667	21,682	21,699	21,756	21,825	21,830
25-Apr	12	20,117	20,130	20,145	20,197	20,261	20,265
26-Apr	10	20,329	20,344	20,360	20,413	20,478	20,483
27-Apr	7	20,786	20,802	20,820	20,875	20,942	20,948
28-Apr	8	21,004	21,020	21,038	21,094	21,163	21,169
29-Apr	12	22,386	22,402	22,421	22,481	22,553	22,559
30-Apr	15	23,279	23,296	23,315	23,376	23,451	23,457
1-May	0	20,049	20,063	20,080	20,132	20,197	20,202
2-May	0	18,952	18,965	18,980	19,030	19,090	19,095
3-May	0	20,240	20,255	20,272	20,325	20,391	20,396
4-May	0	21,590	21,607	21,625	21,682	21,752	21,758
5-May	4	20,471	20,486	20,504	20,559	20,626	20,631
6-May	14	23,515	23,532	23,551	23,613	23,689	23,695
7-May	18	25,257	25,274	25,294	25,360	25,440	25,446
8-May	11	21,548	21,561	21,578	21,633	21,701	21,706
9-May	10	19,899	19,912	19,927	19,978	20,041	20,045
10-May	1	18,540	18,554	18,569	18,618	18,678	18,683
11-May	0	20,706	20,722	20,740	20,796	20,863	20,869
12-May	0	20,652	20,669	20,687	20,743	20,811	20,817
13-May	4	19,760	19,776	19,794	19,847	19,912	19,918
14-May	6	20,941	20,958	20,976	21,032	21,101	21,107
15-May	14	20,728	20,744	20,761	20,817	20,884	20,889
16-May	17	20,867	20,881	20,898	20,952	21,018	21,023
17-May	14	20,889	20,904	20,920	20,975	21,042	21,047
18-May	10	22,231	22,247	22,265	22,323	22,394	22,400
19-May	1	19,860	19,876	19,893	19,945	20,010	20,016
20-May	6	20,968	20,984	21,003	21,059	21,127	21,134
21-May	6	21,212	21,229	21,248	21,305	21,374	21,380
22-May	6	19,942	19,957	19,974	20,027	20,091	20,097
23-May	6	18,329	18,343	18,358	18,407	18,466	18,471
24-May	8	20,222	20,237	20,254	20,308	20,373	20,378
25-May	4	20,733	20,749	20,767	20,822	20,890	20,896
26-May	4	20,724	20,740	20,758	20,813	20,881	20,887
27-May	1	19,771	19,787	19,804	19,857	19,922	19,928
28-May	3	20,083	20,100	20,118	20,172	20,239	20,245
29-May	3	18,347	18,362	18,379	18,429	18,489	18,495
30-May	8	18,520	18,534	18,550	18,599	18,660	18,665
31-May	12	20,737	20,753	20,770	20,825	20,893	20,898
1-Jun	5	20,480	20,495	20,513	20,568	20,634	20,640
2-Jun	7	20,733	20,749	20,767	20,822	20,890	20,896
3-Jun	3	19,757	19,773	19,790	19,843	19,908	19,914
4-Jun	0	19,726	19,743	19,760	19,813	19,879	19,885
5-Jun	0	18,331	18,346	18,363	18,413	18,473	18,479
6-Jun	0	16,975	16,989	17,004	17,050	17,106	17,112
7-Jun	0	18,331	18,346	18,363	18,413	18,473	18,479
8-Jun	0	19,689	19,705	19,723	19,776	19,841	19,847

	RI	RI FIRM_CE + Non-Firm					
Date	HDDn	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
9-Jun	0	19,653	19,670	19,688	19,741	19,806	19,812
10-Jun	0	19,632	19,649	19,667	19,720	19,785	19,791
11-Jun	0	19,623	19,640	19,658	19,711	19,776	19,783
12-Jun	0	18,262	18,277	18,294	18,344	18,404	18,410
13-Jun	0	16,938	16,952	16,967	17,013	17,069	17,074
14-Jun	0	18,303	18,318	18,335	18,384	18,445	18,450
15-Jun	7	21,105	21,123	21,142	21,199	21,269	21,276
16-Jun	6	20,634	20,651	20,670	20,725	20,793	20,800
17-Jun	0	19,789	19,805	19,822	19,875	19,940	19,946
18-Jun	3	20,083	20,100	20,118	20,172	20,239	20,245
19-Jun	5	19,004	19,019	19,036	19,087	19,150	19,156
20-Jun	4	17,427	17,441	17,456	17,502	17,559	17,564
21-Jun	1	18,435	18,449	18,465	18,514	18,574	18,579
22-Jun	0	19,679	19,695	19,712	19,766	19,830	19,836
23-Jun	0	19,589	19,606	19,624	19,678	19,743	19,749
24-Jun	0	19,589	19,606	19,624	19,678	19,743	19,749
25-Jun	0	19,589	19,606	19,624	19,678	19,743	19,749
26-Jun	0	18,259	18,274	18,290	18,340	18,400	18,406
27-Jun	0	16,899	16,913	16,928	16,974	17,030	17,035
28-Jun	0	18,223	18,238	18,255	18,305	18,365	18,371
29-Jun	0	19,559	19,576	19,594	19,648	19,713	19,719
30-Jun	0	19,568	19,585	19,603	19,656	19,722	19,728
1-Jul	0	19,577	19,594	19,612	19,665	19,730	19,737
2-Jul	0	19,577	19,594	19,612	19,665	19,730	19,737
3-Jul	0	18,241	18,256	18,273	18,322	18,383	18,388
4-Jul	0	16,896	16,909	16,925	16,970	17,026	17,031
5-Jul	0	18,214	18,229	18,246	18,296	18,356	18,362
6-Jul	0	19,512	19,530	19,549	19,602	19,668	19,675
7-Jul	0	19,587	19,604	19,623	19,676	19,742	19,748
8-Jul	0	19,727	19,743	19,760	19,813	19,877	19,883
9-Jul	0	19,643	19,659	19,677	19,730	19,795	19,801
10-Jul	0	18,194	18,210	18,227	18,276	18,337	18,343
11-Jul	0	16,833	16,847	16,863	16,909	16,965	16,970
12-Jul	0	18,187	18,203	18,220	18,269	18,330	18,336
13-Jul	0	19,561	19,578	19,596	19,649	19,714	19,721
14-Jul	0	19,566	19,583	19,601	19,654	19,719	19,726
15-Jul	0	19,548	19,565	19,583	19,637	19,702	19,708
16-Jul	0	19,545	19,562	19,580	19,633	19,698	19,705
17-Jul	0	18,200	18,215	18,232	18,281	18,342	18,348
18-Jul	0	16,846	16,860	16,875	16,921	16,977	16,982
19-Jul	0	18,164	18,180	18,197	18,246	18,307	18,313
20-Jul	0	19,500	19,517	19,536	19,589	19,654	19,661
21-Jul	0	19,524	19,540	19,559	19,612	19,677	19,684
22-Jul	0	19,518	19,535	19,553	19,607	19,672	19,678
23-Jul	0	19,513	19,530	19,548	19,602	19,667	19,673
24-Jul	0	18,189	18,205	18,221	18,271	18,332	18,337
25-Jul	0	16,856	16,870	16,886	16,932	16,987	16,993
26-Jul	0	18,192	18,208	18,225	18,275	18,335	18,341
27-Jul	0	19,548	19,565	19,583	19,637	19,702	19,708
28-Jul	0	19,548	19,565	19,583	19,637	19,702	19,708
29-Jul	0	19,539	19,556	19,575	19,628	19,693	19,700
30-Jul	0	19,539	19,556	19,575	19,628	19,693	19,700
31-Jul	0	18,192	18,208	18,225	18,275	18,335	18,341
1-Aug	0	16,871	16,885	16,900	16,946	17,001	17,007
2-Aug	0	18,209	18,224	18,241	18,290	18,351	18,356

	RI	RI FIRM_CE + Non-Firm					
Date	HDDn	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
3-Aug	0	19,524	19,540	19,559	19,612	19,677	19,684
4-Aug	0	19,515	19,532	19,550	19,603	19,668	19,675
5-Aug	0	19,509	19,526	19,545	19,598	19,663	19,670
6-Aug	0	19,507	19,524	19,543	19,596	19,662	19,668
7-Aug	0	18,192	18,208	18,225	18,275	18,335	18,341
8-Aug	0	16,874	16,888	16,904	16,949	17,005	17,010
9-Aug	0	18,207	18,222	18,239	18,289	18,349	18,355
10-Aug	0	19,539	19,556	19,575	19,628	19,693	19,700
11-Aug	0	19,539	19,556	19,575	19,628	19,693	19,700
12-Aug	0	19,529	19,546	19,564	19,618	19,683	19,689
13-Aug	0	19,552	19,569	19,587	19,640	19,705	19,712
14-Aug	0	18,219	18,235	18,251	18,301	18,361	18,367
15-Aug	0	16,863	16,878	16,893	16,939	16,995	17,000
16-Aug	0	18,219	18,235	18,251	18,301	18,361	18,367
17-Aug	0	19,561	19,578	19,596	19,649	19,714	19,721
18-Aug	0	19,503	19,521	19,540	19,594	19,659	19,666
19-Aug	0	19,621	19,638	19,656	19,709	19,774	19,780
20-Aug	1	19,639	19,656	19,674	19,727	19,792	19,798
21-Aug	1	18,197	18,213	18,231	18,281	18,342	18,348
22-Aug	0	16,956	16,970	16,985	17,030	17,086	17,091
23-Aug	0	18,292	18,307	18,324	18,373	18,434	18,439
24-Aug	0	19,580	19,597	19,615	19,669	19,734	19,740
25-Aug	0	19,589	19,606	19,624	19,678	19,743	19,749
26-Aug	0	19,595	19,611	19,629	19,683	19,748	19,754
27-Aug	0	19,591	19,608	19,626	19,679	19,744	19,751
28-Aug	0	18,237	18,252	18,269	18,319	18,379	18,385
29-Aug	0	16,867	16,881	16,897	16,942	16,998	17,004
30-Aug	0	18,212	18,228	18,245	18,294	18,355	18,361
31-Aug	0	19,580	19,597	19,615	19,669	19,734	19,740
1-Sep	0	19,584	19,601	19,619	19,672	19,738	19,744
2-Sep	0	19,593	19,610	19,628	19,681	19,746	19,753
3-Sep	0	19,602	19,618	19,637	19,690	19,755	19,761
4-Sep	0	18,260	18,275	18,292	18,342	18,402	18,408
5-Sep	0	16,913	16,927	16,943	16,988	17,044	17,050
6-Sep	0	18,264	18,279	18,296	18,345	18,406	18,412
7-Sep	0	19,614	19,631	19,649	19,702	19,768	19,774
8-Sep	0	19,609	19,625	19,644	19,697	19,762	19,769
9-Sep	1	19,618	19,634	19,653	19,706	19,771	19,778
10-Sep	4	19,599	19,617	19,635	19,689	19,754	19,761
11-Sep	4	18,302	18,318	18,335	18,385	18,445	18,451
12-Sep	0	17,027	17,041	17,056	17,101	17,157	17,162
13-Sep	0	18,339	18,353	18,370	18,419	18,480	18,485
14-Sep	0	19,635	19,652	19,670	19,724	19,789	19,795
15-Sep	2	19,610	19,627	19,646	19,699	19,765	19,771
16-Sep	3	19,626	19,643	19,662	19,715	19,781	19,787
17-Sep	0	19,682	19,698	19,716	19,769	19,835	19,841
18-Sep	0	18,340	18,355	18,372	18,421	18,482	18,488
19-Sep	2	16,975	16,989	17,004	17,050	17,106	17,112
20-Sep	6	19,257	19,273	19,290	19,342	19,405	19,411
21-Sep	4	20,092	20,109	20,127	20,181	20,247	20,254
22-Sep	0	19,753	19,769	19,787	19,840	19,905	19,911
23-Sep	6	20,345	20,362	20,381	20,436	20,503	20,509
24-Sep	9	22,034	22,051	22,071	22,130	22,202	22,208
25-Sep	1	18,465	18,479	18,495	18,544	18,605	18,610
26-Sep	0	17,068	17,081	17,096	17,142	17,198	17,203

	RI	RI FIRM_CE + Non-Firm					
Date	HDDn	2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
27-Sep	1	18,340	18,355	18,372	18,421	18,482	18,488
28-Sep	4	20,048	20,064	20,083	20,137	20,204	20,210
29-Sep	7	20,905	20,922	20,941	20,997	21,066	21,072
30-Sep	11	22,368	22,385	22,404	22,463	22,536	22,542
1-Oct	0	20,759	20,775	20,793	20,848	20,916	20,922
2-Oct	5	19,409	19,423	19,440	19,491	19,554	19,560
3-Oct	7	18,574	18,587	18,603	18,652	18,712	18,717
4-Oct	0	18,447	18,462	18,478	18,527	18,587	18,592
5-Oct	4	19,724	19,741	19,759	19,812	19,877	19,883
6-Oct	0	20,888	20,905	20,923	20,980	21,049	21,055
7-Oct	3	19,739	19,755	19,773	19,826	19,891	19,897
8-Oct	0	21,221	21,238	21,256	21,313	21,383	21,389
9-Oct	11	21,288	21,304	21,322	21,378	21,447	21,453
10-Oct	20	22,574	22,588	22,605	22,663	22,734	22,739
11-Oct	17	22,921	22,935	22,952	23,011	23,083	23,088
12-Oct	15	23,467	23,482	23,500	23,561	23,635	23,640
13-Oct	9	21,445	21,460	21,477	21,533	21,602	21,607
14-Oct	6	20,515	20,531	20,548	20,603	20,669	20,675
15-Oct	5	20,146	20,162	20,180	20,234	20,300	20,306
16-Oct	13	21,568	21,584	21,602	21,659	21,729	21,734
17-Oct	17	21,707	21,721	21,738	21,794	21,863	21,868
18-Oct	16	22,903	22,917	22,935	22,994	23,066	23,071
19-Oct	11	22,600	22,615	22,633	22,692	22,764	22,769
20-Oct	8	21,418	21,433	21,451	21,507	21,576	21,581
21-Oct	10	22,168	22,184	22,203	22,261	22,333	22,339
22-Oct	19	24,679	24,696	24,716	24,780	24,859	24,865
23-Oct	22	24,005	24,020	24,038	24,099	24,175	24,180
24-Oct	19	22,762	22,774	22,790	22,848	22,919	22,923
25-Oct	21	23,841	23,855	23,872	23,933	24,007	24,012
26-Oct	12	23,214	23,229	23,246	23,306	23,380	23,385
27-Oct	14	23,422	23,438	23,456	23,517	23,591	23,597
28-Oct	14	23,369	23,385	23,403	23,464	23,539	23,544
29-Oct	10	22,818	22,833	22,852	22,911	22,984	22,990
30-Oct	6	19,498	19,512	19,528	19,579	19,642	19,647
31-Oct	2	17,145	17,158	17,172	17,217	17,273	17,278
Nov	610	708,517	732,330	732,740	733,257	735,110	737,382
Dec	892	799,870	826,145	826,461	826,934	828,928	831,380
Jan	1,083	818,428	844,717	844,897	845,272	847,217	849,615
Feb	946	743,417	767,472	767,677	768,050	769,845	772,056
Mar	812	782,867	808,757	809,109	809,603	811,582	814,015
Apr	464	690,001	690,446	690,975	692,759	694,943	695,093
May	191	636,286	636,760	637,296	638,983	641,045	641,216
Jun	41	573,864	574,337	574,856	576,407	578,303	578,481
Jul	0	583,278	583,778	584,318	585,907	587,847	588,038
Aug	2	580,891	581,387	581,925	583,507	585,439	585,628
Sep	65	576,868	577,347	577,869	579,430	581,337	581,517
Oct	316	668,235	668,703	669,244	670,996	673,140	673,305
Total	5,422	8,162,521	8,292,177	8,297,366	8,311,105	8,334,735	8,347,726

Date	RI HDDn	RI TSO 2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
1-Nov	15	98,337	99,500	99,965	100,636	101,341	102,446
2-Nov	10	78,627	79,764	80,108	80,601	81,132	81,958
3-Nov	14	104,241	105,483	105,975	106,685	107,431	108,601
4-Nov	12	93,203	94,410	94,836	95,449	96,101	97,119
5-Nov	17	121,784	123,120	123,709	124,562	125,451	126,850
6-Nov	17	119,105	120,348	120,932	121,778	122,657	124,041
7-Nov	14	101,335	102,431	102,920	103,629	104,369	105,531
8-Nov	14	103,218	104,380	104,875	105,590	106,338	107,513
9-Nov	17	122,710	124,048	124,643	125,504	126,401	127,811
10-Nov	14	107,290	108,549	109,057	109,790	110,561	111,769
11-Nov	13	102,149	103,396	103,872	104,559	105,284	106,420
12-Nov	13	100,035	101,267	101,733	102,404	103,113	104,223
13-Nov	17	117,992	119,240	119,816	120,650	121,518	122,884
14-Nov	16	110,605	111,748	112,290	113,075	113,892	115,177
15-Nov	20	137,762	139,093	139,782	140,783	141,816	143,446
16-Nov	23	159,218	160,707	161,512	162,681	163,885	165,786
17-Nov	17	129,370	130,719	131,353	132,273	133,228	134,731
18-Nov	24	166,464	167,980	168,827	170,059	171,324	173,323
19-Nov	26	177,764	179,324	180,238	181,566	182,927	185,078
20-Nov	27	183,520	185,026	185,981	187,373	188,793	191,041
21-Nov	27	181,086	182,508	183,458	184,843	186,253	188,488
22-Nov	32	212,429	214,045	215,168	216,805	218,470	221,108
23-Nov	34	228,021	229,708	230,915	232,678	234,468	237,309
24-Nov	37	246,297	248,008	249,325	251,252	253,201	256,299
25-Nov	37	248,190	249,882	251,210	253,154	255,120	258,246
26-Nov	24	181,854	183,405	184,343	185,708	187,105	189,315
27-Nov	15	122,999	124,240	124,846	125,726	126,637	128,074
28-Nov	18	125,311	126,501	127,129	128,043	128,985	130,472
29-Nov	20	137,744	139,075	139,765	140,765	141,799	143,429
30-Nov	26	176,117	177,665	178,570	179,886	181,235	183,367
1-Dec	16	125,858	127,207	127,818	128,704	129,626	131,076
2-Dec	24	167,390	168,908	169,761	171,000	172,274	174,285
3-Dec	26	177,052	178,603	179,513	180,837	182,193	184,337
4-Dec	29	194,623	196,182	197,201	198,685	200,197	202,593
5-Dec	21	149,478	150,772	151,538	152,654	153,797	155,605
6-Dec	33	215,345	216,943	218,084	219,750	221,441	224,123
7-Dec	24	172,919	174,453	175,338	176,624	177,944	180,030
8-Dec	18	140,956	142,337	143,040	144,061	145,115	146,779
9-Dec	25	172,793	174,333	175,217	176,503	177,822	179,907
10-Dec	20	145,877	147,300	148,029	149,088	150,181	151,905
11-Dec	18	131,889	133,175	133,833	134,788	135,775	137,332
12-Dec	23	152,498	153,813	154,597	155,738	156,907	158,755
13-Dec	22	152,543	153,937	154,711	155,836	156,992	158,819
14-Dec	35	226,752	228,433	229,634	231,388	233,169	235,994
15-Dec	39	252,052	253,752	255,105	257,086	259,088	262,272
16-Dec	34	235,335	237,066	238,316	240,140	241,991	244,929
17-Dec	27	198,173	199,806	200,836	202,337	203,868	206,294
18-Dec	35	230,287	231,902	233,132	234,931	236,752	239,645
19-Dec	28	190,660	192,115	193,121	194,588	196,079	198,443
20-Dec	41	261,191	262,820	264,235	266,312	268,403	271,734
21-Dec	42	273,101	274,841	276,316	278,479	280,661	284,133
22-Dec	29	213,111	214,783	215,902	217,534	219,195	221,828
23-Dec	18	147,936	149,353	150,093	151,169	152,279	154,032
24-Dec	23	164,253	165,756	166,590	167,803	169,050	171,020
25-Dec	35	221,090	222,678	223,856	225,576	227,319	230,087

Date	RI HDDn	RI TSO 2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
26-Dec	36	230,047	231,570	232,810	234,623	236,455	239,368
27-Dec	42	270,708	272,385	273,854	276,008	278,178	281,633
28-Dec	43	282,648	284,423	285,954	288,200	290,463	294,065
29-Dec	28	208,878	210,540	211,633	213,227	214,851	217,423
30-Dec	31	218,677	220,386	221,536	223,214	224,920	227,625
31-Dec	27	191,185	192,782	193,775	195,220	196,696	199,032
1-Jan	49	302,779	304,586	306,240	308,665	311,104	314,989
2-Jan	35	234,013	235,597	236,858	238,701	240,563	243,522
3-Jan	21	166,105	167,507	168,363	169,611	170,887	172,907
4-Jan	25	178,941	180,491	181,412	182,753	184,126	186,297
5-Jan	19	141,018	142,397	143,102	144,126	145,183	146,850
6-Jan	24	168,271	169,792	170,650	171,898	173,179	175,203
7-Jan	33	216,104	217,794	218,932	220,589	222,276	224,949
8-Jan	35	232,254	233,951	235,184	236,986	238,813	241,713
9-Jan	35	229,696	231,232	232,468	234,276	236,103	239,007
10-Jan	25	182,155	183,653	184,598	185,976	187,383	189,611
11-Jan	37	243,537	245,240	246,541	248,444	250,370	253,431
12-Jan	42	269,481	271,197	272,653	274,788	276,941	280,368
13-Jan	35	242,386	244,112	245,404	247,292	249,204	252,242
14-Jan	40	266,194	267,921	269,358	271,462	273,586	276,965
15-Jan	37	246,614	248,249	249,577	251,520	253,484	256,605
16-Jan	25	181,555	182,974	183,925	185,312	186,725	188,964
17-Jan	44	277,305	279,050	280,568	282,787	285,020	288,572
18-Jan	51	320,083	321,959	323,718	326,296	328,886	333,011
19-Jan	54	351,250	353,323	355,247	358,068	360,903	365,420
20-Jan	39	275,784	277,592	279,071	281,240	283,431	286,918
21-Jan	34	243,176	244,871	246,163	248,056	249,973	253,021
22-Jan	29	205,330	206,919	207,998	209,572	211,173	213,712
23-Jan	28	191,154	192,611	193,619	195,089	196,584	198,954
24-Jan	39	248,429	250,053	251,395	253,359	255,341	258,493
25-Jan	23	172,636	174,139	175,027	176,318	177,641	179,733
26-Jan	36	239,669	241,386	242,664	244,532	246,423	249,428
27-Jan	40	257,869	259,573	260,962	262,996	265,050	268,316
28-Jan	28	204,698	206,348	207,418	208,976	210,565	213,081
29-Jan	41	263,372	265,012	266,443	268,540	270,653	274,015
30-Jan	42	265,355	266,927	268,378	270,507	272,648	276,057
31-Jan	38	255,414	257,072	258,453	260,474	262,514	265,758
1-Feb	17	145,810	147,191	147,923	148,989	150,086	151,819
2-Feb	23	168,183	169,706	170,562	171,806	173,085	175,105
3-Feb	38	239,054	240,719	241,996	243,864	245,755	248,759
4-Feb	38	248,745	250,438	251,770	253,721	255,693	258,829
5-Feb	49	310,405	312,222	313,925	316,422	318,931	322,928
6-Feb	47	302,022	303,770	305,428	307,860	310,303	314,195
7-Feb	48	315,130	316,987	318,713	321,244	323,788	327,841
8-Feb	35	249,553	251,288	252,621	254,570	256,544	259,680
9-Feb	37	253,923	255,644	257,005	258,997	261,011	264,214
10-Feb	33	229,286	231,002	232,214	233,985	235,783	238,635
11-Feb	35	238,046	239,748	241,014	242,865	244,742	247,721
12-Feb	31	213,743	215,364	216,493	218,140	219,813	222,467
13-Feb	36	233,538	235,059	236,318	238,162	240,023	242,984
14-Feb	38	247,696	249,308	250,643	252,599	254,573	257,714
15-Feb	29	208,957	210,618	211,713	213,310	214,936	217,512
16-Feb	30	211,133	212,806	213,915	215,530	217,174	219,780
17-Feb	31	213,121	214,814	215,933	217,563	219,223	221,853
18-Feb	28	197,514	199,135	200,165	201,664	203,194	205,616

Date	RI HDDn	RI TSO 2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
19-Feb	33	219,862	221,497	222,666	224,369	226,098	228,840
20-Feb	23	161,706	163,007	163,852	165,083	166,338	168,326
21-Feb	35	228,341	229,974	231,194	232,976	234,781	237,646
22-Feb	38	247,698	249,411	250,739	252,681	254,645	257,765
23-Feb	17	143,948	145,363	146,077	147,116	148,189	149,883
24-Feb	31	211,323	213,010	214,119	215,733	217,377	219,982
25-Feb	38	243,167	244,867	246,168	248,069	249,994	253,052
26-Feb	38	248,986	250,626	251,969	253,935	255,921	259,077
27-Feb	36	238,505	240,064	241,353	243,239	245,142	248,169
28-Feb	34	231,507	233,151	234,387	236,193	238,023	240,928
1-Mar	40	262,744	264,450	265,866	267,943	270,038	273,371
2-Mar	29	208,940	210,600	211,696	213,292	214,918	217,494
3-Mar	37	247,655	249,370	250,695	252,633	254,595	257,711
4-Mar	36	241,325	243,035	244,323	246,204	248,110	251,138
5-Mar	23	172,418	173,868	174,758	176,055	177,381	179,480
6-Mar	30	200,659	202,172	203,233	204,780	206,353	208,846
7-Mar	27	185,184	186,703	187,667	189,070	190,502	192,770
8-Mar	34	227,122	228,806	230,008	231,763	233,545	236,373
9-Mar	38	248,745	250,438	251,770	253,721	255,693	258,829
10-Mar	39	258,752	260,459	261,851	263,890	265,949	269,224
11-Mar	18	150,705	152,130	152,886	153,985	155,119	156,909
12-Mar	14	115,735	116,950	117,513	118,331	119,181	120,520
13-Mar	19	127,793	129,004	129,646	130,578	131,540	133,057
14-Mar	17	121,220	122,477	123,071	123,933	124,828	126,238
15-Mar	22	153,517	154,975	155,749	156,872	158,030	159,856
16-Mar	23	160,585	162,077	162,891	164,072	165,288	167,207
17-Mar	30	201,561	203,223	204,273	205,802	207,362	209,832
18-Mar	23	167,031	168,542	169,392	170,629	171,899	173,905
19-Mar	24	168,642	170,087	170,955	172,220	173,514	175,562
20-Mar	24	162,072	163,421	164,261	165,483	166,733	168,710
21-Mar	24	166,340	167,779	168,634	169,879	171,154	173,170
22-Mar	18	137,354	138,741	139,420	140,406	141,427	143,035
23-Mar	21	150,857	152,301	153,059	154,159	155,294	157,085
24-Mar	25	171,426	172,962	173,839	175,113	176,420	178,486
25-Mar	19	141,578	142,975	143,680	144,704	145,762	147,431
26-Mar	24	163,946	165,361	166,206	167,435	168,693	170,683
27-Mar	36	223,320	224,836	226,037	227,793	229,568	232,389
28-Mar	37	239,896	241,523	242,813	244,699	246,605	249,635
29-Mar	26	192,201	193,795	194,793	196,247	197,732	200,082
30-Mar	17	138,811	140,196	140,883	141,882	142,915	144,545
31-Mar	18	135,044	136,424	137,090	138,056	139,057	140,635
1-Apr	20	143,613	144,320	145,347	146,409	148,083	148,416
2-Apr	21	150,443	151,191	152,276	153,395	155,161	155,513
3-Apr	24	163,702	164,539	165,755	167,001	168,971	169,367
4-Apr	17	124,368	124,981	125,873	126,794	128,246	128,535
5-Apr	36	228,257	229,469	231,237	233,029	235,872	236,449
6-Apr	27	190,294	191,271	192,692	194,146	196,445	196,907
7-Apr	16	134,745	135,400	136,353	137,341	138,897	139,204
8-Apr	25	174,811	175,698	176,987	178,310	180,401	180,820
9-Apr	10	91,693	92,101	92,689	93,315	94,294	94,482
10-Apr	19	134,290	134,953	135,915	136,910	138,478	138,790
11-Apr	18	122,182	122,784	123,659	124,563	125,988	126,271
12-Apr	16	118,882	119,456	120,287	121,152	122,513	122,782
13-Apr	5	73,140	73,446	73,886	74,363	75,104	75,244
14-Apr	15	109,131	109,644	110,384	111,160	112,378	112,617

Date	RI HDDn	RI TSO 2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
15-Apr	15	109,205	109,715	110,451	111,225	112,438	112,676
16-Apr	20	140,736	141,430	142,437	143,478	145,119	145,446
17-Apr	20	139,146	139,841	140,849	141,888	143,528	143,855
18-Apr	12	93,998	94,440	95,081	95,751	96,804	97,011
19-Apr	13	99,940	100,405	101,079	101,786	102,896	103,113
20-Apr	5	68,415	68,697	69,101	69,542	70,225	70,354
21-Apr	13	97,120	97,561	98,197	98,871	99,925	100,130
22-Apr	7	65,753	66,015	66,388	66,801	67,437	67,555
23-Apr	13	98,311	98,758	99,402	100,084	101,151	101,358
24-Apr	13	94,422	94,856	95,481	96,142	97,177	97,378
25-Apr	12	87,859	88,263	88,848	89,465	90,431	90,620
26-Apr	10	79,851	80,203	80,710	81,251	82,096	82,258
27-Apr	7	67,601	67,874	68,263	68,691	69,352	69,476
28-Apr	8	69,150	69,431	69,832	70,272	70,952	71,080
29-Apr	12	90,280	90,682	91,260	91,877	92,838	93,024
30-Apr	15	108,916	109,426	110,162	110,935	112,148	112,386
1-May	0	75,311	75,636	76,105	76,608	77,392	77,542
2-May	0	75,467	75,803	76,288	76,804	77,610	77,765
3-May	0	77,057	77,393	77,876	78,394	79,201	79,356
4-May	0	81,414	81,766	82,272	82,815	83,661	83,822
5-May	4	66,564	66,835	67,221	67,646	68,302	68,425
6-May	14	101,283	101,746	102,412	103,118	104,221	104,436
7-May	18	125,479	126,079	126,946	127,852	129,275	129,555
8-May	11	89,388	89,791	90,371	90,988	91,951	92,138
9-May	10	78,669	79,018	79,522	80,060	80,899	81,061
10-May	1	63,115	63,379	63,756	64,167	64,804	64,924
11-May	0	62,561	62,804	63,150	63,535	64,127	64,237
12-May	0	61,155	61,390	61,724	62,097	62,671	62,777
13-May	4	63,149	63,403	63,766	64,165	64,781	64,897
14-May	6	62,771	63,015	63,363	63,750	64,346	64,456
15-May	14	94,137	94,576	95,208	95,873	96,915	97,119
16-May	17	111,717	112,263	113,056	113,877	115,170	115,427
17-May	14	103,767	104,261	104,977	105,723	106,897	107,128
18-May	10	87,014	87,396	87,945	88,533	89,449	89,625
19-May	1	68,344	68,629	69,037	69,481	70,169	70,299
20-May	6	62,797	63,042	63,389	63,776	64,372	64,482
21-May	6	61,238	61,472	61,804	62,176	62,747	62,852
22-May	6	59,666	59,900	60,233	60,603	61,173	61,279
23-May	6	55,498	55,718	56,033	56,381	56,917	57,018
24-May	8	63,557	63,812	64,175	64,575	65,193	65,309
25-May	4	64,121	64,376	64,738	65,140	65,759	65,874
26-May	4	63,210	63,459	63,814	64,208	64,814	64,927
27-May	1	61,040	61,282	61,627	62,008	62,596	62,706
28-May	3	59,609	59,841	60,170	60,537	61,101	61,206
29-May	3	54,866	55,082	55,388	55,729	56,254	56,351
30-May	8	56,594	56,819	57,140	57,495	58,043	58,145
31-May	12	84,272	84,650	85,194	85,772	86,676	86,851
1-Jun	5	66,378	66,647	67,031	67,454	68,106	68,229
2-Jun	7	65,293	65,552	65,922	66,330	66,961	67,078
3-Jun	3	62,439	62,689	63,046	63,439	64,046	64,159
4-Jun	0	61,897	62,145	62,498	62,887	63,488	63,600
5-Jun	0	55,241	55,459	55,770	56,115	56,646	56,745
6-Jun	0	50,232	50,430	50,713	51,026	51,509	51,599
7-Jun	0	54,790	55,006	55,313	55,653	56,178	56,275
8-Jun	0	59,290	59,523	59,854	60,222	60,788	60,893

Date	RI HDDn	RI TSO 2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
9-Jun	0	57,451	57,673	57,988	58,341	58,882	58,982
10-Jun	0	56,272	56,488	56,793	57,136	57,661	57,758
11-Jun	0	55,813	56,025	56,327	56,665	57,184	57,280
12-Jun	0	51,053	51,248	51,523	51,832	52,307	52,394
13-Jun	0	48,075	48,262	48,527	48,822	49,277	49,361
14-Jun	0	53,093	53,300	53,593	53,920	54,422	54,515
15-Jun	7	56,647	56,854	57,144	57,477	57,983	58,075
16-Jun	6	59,758	59,987	60,310	60,673	61,231	61,333
17-Jun	0	64,290	64,552	64,927	65,338	65,973	66,092
18-Jun	3	58,256	58,480	58,797	59,152	59,698	59,798
19-Jun	5	52,877	53,077	53,360	53,679	54,168	54,257
20-Jun	4	52,998	53,210	53,512	53,846	54,361	54,458
21-Jun	1	57,599	57,831	58,160	58,524	59,086	59,191
22-Jun	0	60,768	61,010	61,355	61,737	62,325	62,435
23-Jun	0	56,620	56,839	57,148	57,495	58,027	58,125
24-Jun	0	53,915	54,117	54,403	54,726	55,220	55,310
25-Jun	0	53,915	54,117	54,403	54,726	55,220	55,310
26-Jun	0	50,419	50,611	50,882	51,187	51,655	51,741
27-Jun	0	45,602	45,775	46,020	46,296	46,718	46,797
28-Jun	0	48,580	48,761	49,016	49,306	49,748	49,830
29-Jun	0	52,277	52,469	52,741	53,050	53,522	53,608
30-Jun	0	52,737	52,932	53,208	53,521	53,999	54,086
1-Jul	0	53,196	53,394	53,674	53,991	54,476	54,564
2-Jul	0	53,196	53,394	53,674	53,991	54,476	54,564
3-Jul	0	49,500	49,686	49,949	50,246	50,702	50,785
4-Jul	0	45,343	45,514	45,757	46,031	46,451	46,529
5-Jul	0	48,120	48,298	48,550	48,835	49,272	49,352
6-Jul	0	52,170	52,363	52,636	52,945	53,418	53,504
7-Jul	0	52,245	52,438	52,710	53,019	53,492	53,578
8-Jul	0	52,129	52,319	52,588	52,895	53,363	53,448
9-Jul	0	51,790	51,979	52,246	52,551	53,017	53,101
10-Jul	0	46,883	47,055	47,296	47,572	47,993	48,069
11-Jul	0	42,124	42,277	42,492	42,739	43,115	43,184
12-Jul	0	46,741	46,911	47,150	47,424	47,842	47,918
13-Jul	0	52,219	52,411	52,683	52,992	53,464	53,550
14-Jul	0	52,420	52,613	52,887	53,198	53,673	53,760
15-Jul	0	51,500	51,688	51,954	52,257	52,720	52,804
16-Jul	0	51,241	51,428	51,692	51,993	52,452	52,536
17-Jul	0	47,084	47,257	47,500	47,778	48,202	48,279
18-Jul	0	42,468	42,623	42,842	43,093	43,475	43,545
19-Jul	0	45,245	45,407	45,635	45,897	46,295	46,368
20-Jul	0	48,942	49,116	49,360	49,641	50,069	50,147
21-Jul	0	50,062	50,243	50,497	50,788	51,232	51,312
22-Jul	0	49,861	50,041	50,292	50,582	51,023	51,102
23-Jul	0	49,661	49,838	50,088	50,376	50,814	50,893
24-Jul	0	46,683	46,852	47,092	47,366	47,784	47,860
25-Jul	0	43,245	43,404	43,629	43,886	44,277	44,349
26-Jul	0	46,942	47,113	47,354	47,630	48,051	48,128
27-Jul	0	51,500	51,688	51,954	52,257	52,720	52,804
28-Jul	0	51,500	51,688	51,954	52,257	52,720	52,804
29-Jul	0	51,040	51,226	51,488	51,787	52,243	52,326
30-Jul	0	51,040	51,226	51,488	51,787	52,243	52,326
31-Jul	0	46,942	47,113	47,354	47,630	48,051	48,128
1-Aug	0	43,905	44,069	44,300	44,562	44,963	45,037
2-Aug	0	47,544	47,719	47,967	48,248	48,678	48,757

Date	RI HDDn	RI TSO 2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
3-Aug	0	50,062	50,243	50,497	50,788	51,232	51,312
4-Aug	0	49,602	49,780	50,030	50,318	50,755	50,834
5-Aug	0	49,402	49,578	49,826	50,112	50,546	50,624
6-Aug	0	49,460	49,636	49,884	50,170	50,604	50,683
7-Aug	0	46,942	47,113	47,354	47,630	48,051	48,128
8-Aug	0	44,164	44,329	44,562	44,826	45,230	45,305
9-Aug	0	47,602	47,777	48,025	48,307	48,737	48,815
10-Aug	0	51,040	51,226	51,488	51,787	52,243	52,326
11-Aug	0	51,040	51,226	51,488	51,787	52,243	52,326
12-Aug	0	50,638	50,822	51,079	51,375	51,825	51,907
13-Aug	0	51,759	51,949	52,216	52,522	52,987	53,072
14-Aug	0	48,321	48,500	48,754	49,041	49,481	49,561
15-Aug	0	43,763	43,925	44,154	44,414	44,812	44,885
16-Aug	0	48,321	48,500	48,754	49,041	49,481	49,561
17-Aug	0	52,219	52,411	52,683	52,992	53,464	53,550
18-Aug	0	51,514	51,704	51,970	52,274	52,737	52,822
19-Aug	0	51,888	52,078	52,345	52,650	53,116	53,200
20-Aug	1	51,440	51,625	51,886	52,185	52,641	52,724
21-Aug	1	51,049	51,244	51,519	51,829	52,304	52,391
22-Aug	0	51,776	51,985	52,284	52,613	53,120	53,216
23-Aug	0	52,317	52,519	52,806	53,127	53,619	53,711
24-Aug	0	53,455	53,655	53,936	54,255	54,743	54,832
25-Aug	0	53,915	54,117	54,403	54,726	55,220	55,310
26-Aug	0	54,116	54,319	54,607	54,932	55,429	55,520
27-Aug	0	53,857	54,059	54,345	54,667	55,161	55,252
28-Aug	0	49,241	49,425	49,687	49,982	50,434	50,517
29-Aug	0	44,022	44,185	44,416	44,679	45,080	45,153
30-Aug	0	48,178	48,356	48,608	48,894	49,330	49,410
31-Aug	0	53,455	53,655	53,936	54,255	54,743	54,832
1-Sep	0	53,714	53,915	54,199	54,520	55,011	55,100
2-Sep	0	54,174	54,378	54,665	54,990	55,487	55,578
3-Sep	0	54,634	54,840	55,132	55,460	55,964	56,056
4-Sep	0	50,736	50,929	51,202	51,510	51,981	52,068
5-Sep	0	46,638	46,816	47,069	47,353	47,788	47,869
6-Sep	0	50,995	51,189	51,465	51,774	52,248	52,336
7-Sep	0	55,353	55,563	55,860	56,195	56,708	56,802
8-Sep	0	55,152	55,361	55,656	55,989	56,499	56,592
9-Sep	1	55,025	55,233	55,526	55,857	56,364	56,456
10-Sep	4	56,224	56,439	56,742	57,083	57,606	57,702
11-Sep	4	55,077	55,294	55,603	55,946	56,474	56,572
12-Sep	0	53,575	53,794	54,106	54,449	54,978	55,078
13-Sep	0	55,384	55,603	55,916	56,263	56,796	56,896
14-Sep	0	56,531	56,748	57,055	57,400	57,929	58,026
15-Sep	2	55,273	55,482	55,778	56,111	56,621	56,714
16-Sep	3	56,897	57,116	57,425	57,772	58,304	58,402
17-Sep	0	59,598	59,833	60,166	60,536	61,105	61,211
18-Sep	0	55,250	55,468	55,779	56,124	56,654	56,753
19-Sep	2	50,232	50,430	50,713	51,026	51,509	51,599
20-Sep	6	54,923	55,133	55,431	55,765	56,277	56,371
21-Sep	4	60,775	61,014	61,353	61,730	62,310	62,417
22-Sep	0	61,924	62,172	62,524	62,914	63,514	63,627
23-Sep	6	59,470	59,698	60,021	60,384	60,940	61,043
24-Sep	9	70,834	71,120	71,528	71,977	72,671	72,801
25-Sep	1	60,335	60,582	60,936	61,324	61,923	62,036
26-Sep	0	53,736	53,955	54,267	54,609	55,139	55,239

Date	RI HDDn	RI TSO 2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
27-Sep	1	55,250	55,468	55,779	56,124	56,654	56,753
28-Sep	4	58,927	59,155	59,478	59,840	60,394	60,497
29-Sep	7	60,055	60,282	60,605	60,967	61,523	61,625
30-Sep	11	83,296	83,656	84,172	84,727	85,592	85,757
1-Oct	0	65,771	66,033	66,406	66,818	67,455	67,573
2-Oct	5	61,849	62,100	62,458	62,852	63,461	63,575
3-Oct	7	55,768	55,987	56,300	56,648	57,184	57,283
4-Oct	0	58,197	58,429	58,760	59,125	59,689	59,793
5-Oct	4	63,113	63,368	63,730	64,130	64,746	64,862
6-Oct	0	66,328	66,594	66,971	67,388	68,031	68,151
7-Oct	3	62,421	62,671	63,028	63,421	64,028	64,142
8-Oct	0	71,824	72,121	72,544	73,007	73,723	73,858
9-Oct	11	80,111	80,461	80,963	81,502	82,341	82,502
10-Oct	20	128,911	129,552	130,484	131,444	132,959	133,262
11-Oct	17	121,286	121,875	122,729	123,616	125,012	125,288
12-Oct	15	116,769	117,324	118,127	118,966	120,285	120,544
13-Oct	9	81,516	81,869	82,375	82,919	83,767	83,929
14-Oct	6	68,206	68,485	68,884	69,320	69,996	70,122
15-Oct	5	63,790	64,046	64,410	64,812	65,433	65,549
16-Oct	13	90,266	90,675	91,266	91,892	92,870	93,060
17-Oct	17	111,655	112,196	112,981	113,796	115,079	115,334
18-Oct	16	115,655	116,209	117,013	117,851	119,169	119,429
19-Oct	11	93,448	93,866	94,469	95,110	96,112	96,305
20-Oct	8	74,073	74,380	74,820	75,300	76,044	76,184
21-Oct	10	81,541	81,891	82,392	82,933	83,774	83,934
22-Oct	19	130,064	130,695	131,608	132,558	134,051	134,347
23-Oct	22	147,281	148,023	149,100	150,207	151,956	152,306
24-Oct	19	133,405	134,071	135,039	136,036	137,610	137,924
25-Oct	21	147,365	148,107	149,186	150,294	152,044	152,395
26-Oct	12	102,380	102,849	103,526	104,241	105,360	105,578
27-Oct	14	109,758	110,271	111,012	111,791	113,012	113,251
28-Oct	14	106,548	107,042	107,756	108,507	109,685	109,915
29-Oct	10	86,248	86,622	87,159	87,736	88,635	88,807
30-Oct	6	64,633	64,899	65,279	65,694	66,338	66,459
31-Oct	2	56,714	56,950	57,287	57,655	58,225	58,333
Nov	610	4,294,777	4,335,571	4,357,152	4,388,508	4,420,836	4,471,854
Dec	892	6,115,306	6,163,356	6,195,381	6,242,102	6,289,683	6,365,100
Jan	1,083	7,272,628	7,323,528	7,362,388	7,419,210	7,476,733	7,568,114
Feb	946	6,400,902	6,446,789	6,480,875	6,530,686	6,581,166	6,661,321
Mar	812	5,643,182	5,689,679	5,718,956	5,761,629	5,805,206	5,874,208
Apr	464	3,470,252	3,486,849	3,510,882	3,535,948	3,575,350	3,583,117
May	191	2,294,831	2,304,636	2,318,698	2,333,886	2,357,487	2,361,988
Jun	41	1,674,578	1,681,070	1,690,284	1,700,574	1,716,386	1,719,316
Jul	0	1,523,030	1,528,604	1,536,467	1,545,436	1,559,121	1,561,617
Aug	2	1,546,007	1,551,730	1,559,809	1,568,988	1,583,011	1,585,577
Sep	65	1,709,988	1,716,668	1,726,152	1,736,716	1,752,963	1,755,980
Oct	316	2,816,894	2,829,659	2,848,062	2,867,571	2,898,073	2,903,994
Total	5,422	44,762,375	45,058,139	45,305,105	45,631,254	46,016,015	46,412,185

Date	RI HDDd	RI SFT2 2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
1-Nov	16	73,778	73,803	74,270	74,956	75,623	76,694
2-Nov	9	44,868	44,883	45,167	45,584	45,990	46,641
3-Nov	14	72,389	72,414	72,872	73,545	74,199	75,250
4-Nov	13	66,630	66,653	67,075	67,694	68,296	69,264
5-Nov	20	102,697	102,732	103,382	104,337	105,265	106,756
6-Nov	19	98,698	98,732	99,357	100,274	101,166	102,599
7-Nov	16	84,879	84,908	85,446	86,235	87,002	88,234
8-Nov	14	74,998	75,024	75,499	76,196	76,874	77,963
9-Nov	20	103,971	104,006	104,665	105,631	106,571	108,081
10-Nov	15	81,120	81,148	81,662	82,416	83,149	84,327
11-Nov	15	81,545	81,573	82,089	82,847	83,584	84,768
12-Nov	14	74,512	74,538	75,009	75,702	76,376	77,457
13-Nov	20	101,909	101,944	102,589	103,537	104,458	105,937
14-Nov	19	97,485	97,519	98,136	99,042	99,923	101,339
15-Nov	24	125,794	125,838	126,634	127,803	128,940	130,767
16-Nov	27	143,859	143,909	144,819	146,157	147,457	149,546
17-Nov	19	107,978	108,015	108,698	109,702	110,678	112,246
18-Nov	28	150,043	150,094	151,044	152,439	153,795	155,974
19-Nov	30	160,287	160,342	161,357	162,847	164,296	166,623
20-Nov	31	168,230	168,288	169,353	170,917	172,438	174,880
21-Nov	31	167,867	167,925	168,988	170,548	172,065	174,503
22-Nov	37	199,387	199,456	200,718	202,572	204,374	207,269
23-Nov	41	223,211	223,288	224,701	226,776	228,794	232,034
24-Nov	43	237,277	237,358	238,861	241,066	243,211	246,656
25-Nov	45	249,644	249,730	251,310	253,631	255,887	259,512
26-Nov	27	162,966	163,022	164,054	165,569	167,042	169,408
27-Nov	17	105,438	105,474	106,142	107,122	108,075	109,606
28-Nov	20	106,641	106,678	107,353	108,344	109,308	110,857
29-Nov	24	124,945	124,988	125,779	126,941	128,070	129,884
30-Nov	29	154,103	154,156	155,132	156,564	157,957	160,195
1-Dec	20	113,737	113,776	114,496	115,553	116,581	118,233
2-Dec	28	151,316	151,368	152,327	153,733	155,101	157,298
3-Dec	29	155,802	155,855	156,842	158,290	159,698	161,960
4-Dec	34	182,535	182,598	183,753	185,450	187,100	189,750
5-Dec	25	139,258	139,305	140,187	141,482	142,740	144,762
6-Dec	39	207,933	208,005	209,321	211,254	213,133	216,152
7-Dec	28	157,685	157,740	158,738	160,204	161,629	163,919
8-Dec	19	114,771	114,811	115,538	116,604	117,642	119,308
9-Dec	29	155,377	155,430	156,414	157,859	159,263	161,519
10-Dec	23	126,343	126,386	127,186	128,361	129,503	131,337
11-Dec	20	111,675	111,713	112,420	113,459	114,468	116,089
12-Dec	27	140,585	140,633	141,523	142,830	144,101	146,142
13-Dec	27	143,920	143,970	144,881	146,219	147,520	149,609
14-Dec	41	217,266	217,341	218,717	220,737	222,700	225,855
15-Dec	45	242,850	242,934	244,471	246,729	248,924	252,450
16-Dec	39	221,034	221,110	222,510	224,565	226,562	229,772
17-Dec	32	185,817	185,881	187,057	188,785	190,464	193,162
18-Dec	41	222,848	222,925	224,335	226,407	228,421	231,657
19-Dec	32	177,872	177,933	179,059	180,713	182,321	184,903
20-Dec	49	262,975	263,066	264,731	267,175	269,552	273,370
21-Dec	51	277,829	277,924	279,683	282,266	284,777	288,811
22-Dec	32	192,610	192,677	193,896	195,687	197,428	200,224
23-Dec	21	131,385	131,430	132,262	133,483	134,671	136,578
24-Dec	27	148,105	148,156	149,094	150,471	151,809	153,959
25-Dec	41	213,082	213,155	214,504	216,485	218,411	221,505

Date	RI HDDd	RI SFT2 2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
26-Dec	42	224,847	224,924	226,348	228,438	230,470	233,735
27-Dec	51	277,041	277,136	278,890	281,466	283,970	287,992
28-Dec	51	282,924	283,021	284,813	287,443	290,000	294,108
29-Dec	32	193,460	193,526	194,751	196,550	198,298	201,107
30-Dec	35	200,121	200,190	201,457	203,318	205,127	208,032
31-Dec	30	168,779	168,837	169,906	171,475	173,000	175,451
1-Jan	61	318,496	318,605	320,622	323,583	326,461	331,085
2-Jan	38	214,974	215,048	216,409	218,407	220,350	223,471
3-Jan	23	146,361	146,411	147,338	148,698	150,021	152,146
4-Jan	28	156,412	156,466	157,456	158,910	160,324	162,594
5-Jan	19	107,978	108,015	108,698	109,702	110,678	112,246
6-Jan	28	150,467	150,519	151,472	152,870	154,230	156,415
7-Jan	38	199,565	199,634	200,897	202,752	204,556	207,454
8-Jan	41	222,362	222,438	223,846	225,913	227,923	231,152
9-Jan	41	224,608	224,685	226,107	228,195	230,225	233,486
10-Jan	30	173,511	173,571	174,669	176,282	177,850	180,370
11-Jan	43	234,304	234,385	235,868	238,047	240,164	243,566
12-Jan	50	269,522	269,615	271,321	273,827	276,263	280,176
13-Jan	41	233,826	233,907	235,387	237,561	239,674	243,069
14-Jan	46	257,526	257,615	259,245	261,639	263,967	267,706
15-Jan	43	239,461	239,544	241,060	243,286	245,450	248,927
16-Jan	30	174,846	174,906	176,013	177,639	179,219	181,758
17-Jan	40	218,787	218,863	220,248	222,282	224,259	227,436
18-Jan	55	292,797	292,898	294,752	297,474	300,120	304,371
19-Jan	68	373,640	373,769	376,135	379,608	382,985	388,410
20-Jan	54	310,391	310,498	312,464	315,349	318,154	322,661
21-Jan	44	260,869	260,959	262,611	265,036	267,394	271,181
22-Jan	34	199,944	200,013	201,279	203,137	204,944	207,847
23-Jan	32	179,995	180,057	181,197	182,870	184,497	187,110
24-Jan	44	235,454	235,535	237,026	239,215	241,343	244,761
25-Jan	24	143,142	143,191	144,097	145,428	146,722	148,800
26-Jan	41	223,211	223,288	224,701	226,776	228,794	232,034
27-Jan	46	246,486	246,571	248,131	250,423	252,651	256,229
28-Jan	32	187,091	187,155	188,340	190,079	191,770	194,486
29-Jan	46	250,369	250,455	252,040	254,368	256,631	260,266
30-Jan	47	253,642	253,729	255,335	257,693	259,985	263,668
31-Jan	43	242,009	242,092	243,624	245,874	248,061	251,575
1-Feb	17	114,718	114,757	115,484	116,550	117,587	119,252
2-Feb	28	155,987	156,041	157,028	158,478	159,888	162,153
3-Feb	45	233,084	233,164	234,640	236,807	238,914	242,298
4-Feb	45	244,973	245,057	246,608	248,886	251,100	254,657
5-Feb	56	304,562	304,667	306,595	309,426	312,179	316,601
6-Feb	56	307,596	307,702	309,649	312,508	315,289	319,755
7-Feb	57	318,813	318,923	320,941	323,905	326,787	331,415
8-Feb	42	247,228	247,313	248,878	251,177	253,411	257,001
9-Feb	44	251,103	251,190	252,779	255,114	257,383	261,029
10-Feb	39	221,034	221,110	222,510	224,565	226,562	229,772
11-Feb	42	234,490	234,571	236,055	238,235	240,355	243,759
12-Feb	37	207,455	207,526	208,840	210,768	212,643	215,655
13-Feb	43	234,427	234,508	235,992	238,171	240,290	243,694
14-Feb	45	246,308	246,393	247,953	250,242	252,469	256,045
15-Feb	32	187,515	187,580	188,767	190,510	192,205	194,927
16-Feb	33	187,754	187,819	189,008	190,753	192,450	195,176
17-Feb	35	192,479	192,545	193,763	195,553	197,292	200,087
18-Feb	31	174,113	174,173	175,276	176,894	178,468	180,996

Date	RI HDDd	RI SFT2 2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
19-Feb	37	201,086	201,155	202,428	204,297	206,115	209,034
20-Feb	22	126,651	126,695	127,497	128,674	129,819	131,658
21-Feb	39	207,933	208,005	209,321	211,254	213,133	216,152
22-Feb	43	230,058	230,138	231,594	233,733	235,812	239,152
23-Feb	22	135,870	135,917	136,777	138,040	139,268	141,241
24-Feb	35	192,479	192,545	193,763	195,553	197,292	200,087
25-Feb	43	228,360	228,438	229,884	232,007	234,071	237,387
26-Feb	43	235,640	235,721	237,213	239,403	241,533	244,954
27-Feb	41	227,580	227,658	229,099	231,215	233,272	236,576
28-Feb	39	218,548	218,623	220,007	222,039	224,014	227,187
1-Mar	47	257,765	257,854	259,486	261,882	264,212	267,954
2-Mar	32	186,666	186,730	187,912	189,647	191,335	194,045
3-Mar	43	237,701	237,783	239,288	241,498	243,646	247,097
4-Mar	42	231,093	231,173	232,636	234,784	236,873	240,228
5-Mar	27	160,055	160,111	161,124	162,612	164,058	166,382
6-Mar	36	195,813	195,880	197,120	198,940	200,710	203,553
7-Mar	32	175,263	175,323	176,433	178,062	179,646	182,191
8-Mar	41	223,211	223,288	224,701	226,776	228,794	232,034
9-Mar	45	244,973	245,057	246,608	248,886	251,100	254,657
10-Mar	46	255,403	255,491	257,108	259,482	261,790	265,499
11-Mar	21	134,781	134,828	135,681	136,934	138,152	140,109
12-Mar	16	98,405	98,439	99,062	99,977	100,866	102,295
13-Mar	22	113,488	113,527	114,246	115,301	116,327	117,974
14-Mar	20	105,730	105,767	106,436	107,419	108,375	109,910
15-Mar	25	133,615	133,661	134,507	135,749	136,957	138,896
16-Mar	27	144,708	144,758	145,674	147,019	148,327	150,428
17-Mar	35	186,959	187,023	188,207	189,945	191,635	194,349
18-Mar	27	151,926	151,979	152,941	154,353	155,726	157,932
19-Mar	28	155,199	155,253	156,235	157,678	159,081	161,334
20-Mar	28	150,590	150,642	151,595	152,995	154,356	156,543
21-Mar	28	152,652	152,704	153,671	155,090	156,469	158,686
22-Mar	21	119,920	119,962	120,721	121,836	122,919	124,661
23-Mar	24	131,677	131,723	132,556	133,780	134,971	136,882
24-Mar	29	154,528	154,581	155,559	156,996	158,393	160,636
25-Mar	21	118,646	118,687	119,438	120,541	121,614	123,336
26-Mar	26	140,284	140,333	141,221	142,525	143,793	145,830
27-Mar	41	211,020	211,093	212,429	214,391	216,298	219,362
28-Mar	42	226,059	226,137	227,568	229,670	231,713	234,995
29-Mar	29	170,663	170,722	171,802	173,389	174,931	177,409
30-Mar	20	121,380	121,421	122,190	123,318	124,415	126,178
31-Mar	21	116,948	116,988	117,729	118,816	119,873	121,571
1-Apr	23	122,564	123,339	124,478	125,586	127,365	127,745
2-Apr	24	129,174	129,992	131,192	132,359	134,234	134,635
3-Apr	25	134,147	134,996	136,243	137,455	139,402	139,818
4-Apr	21	113,713	114,433	115,489	116,517	118,167	118,520
5-Apr	39	202,483	203,764	205,646	207,475	210,414	211,042
6-Apr	31	170,775	171,856	173,443	174,986	177,465	177,994
7-Apr	19	116,085	116,820	117,899	118,947	120,632	120,992
8-Apr	29	156,705	157,697	159,153	160,569	162,843	163,329
9-Apr	12	72,360	72,818	73,491	74,145	75,195	75,419
10-Apr	22	116,864	117,604	118,690	119,746	121,442	121,804
11-Apr	21	107,342	108,021	109,019	109,989	111,546	111,879
12-Apr	19	102,979	103,631	104,588	105,518	107,013	107,333
13-Apr	7	45,982	46,273	46,700	47,116	47,783	47,926
14-Apr	15	77,750	78,242	78,965	79,667	80,796	81,037

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15-Apr	17	85,874	86,418	87,216	87,991	89,238	89,504
16-Apr	21	109,767	110,462	111,482	112,474	114,067	114,408
17-Apr	21	110,678	111,379	112,407	113,407	115,014	115,357
18-Apr	13	71,448	71,900	72,564	73,210	74,247	74,468
19-Apr	15	79,511	80,014	80,753	81,471	82,625	82,872
20-Apr	5	41,336	41,598	41,982	42,355	42,955	43,083
21-Apr	14	70,290	70,735	71,388	72,023	73,043	73,262
22-Apr	7	37,062	37,297	37,641	37,976	38,514	38,629
23-Apr	15	75,626	76,105	76,808	77,491	78,589	78,823
24-Apr	15	74,414	74,884	75,576	76,248	77,328	77,559
25-Apr	14	71,262	71,714	72,376	73,020	74,054	74,275
26-Apr	10	52,829	53,164	53,655	54,132	54,899	55,063
27-Apr	7	39,186	39,434	39,798	40,152	40,721	40,842
28-Apr	8	39,547	39,797	40,165	40,522	41,096	41,219
29-Apr	13	63,255	63,655	64,243	64,815	65,733	65,929
30-Apr	16	80,538	81,048	81,796	82,524	83,693	83,942
1-May	0	47,918	48,221	48,667	49,100	49,795	49,944
2-May	0	49,493	49,806	50,266	50,713	51,432	51,585
3-May	0	48,582	48,889	49,341	49,780	50,485	50,636
4-May	0	50,644	50,965	51,435	51,893	52,628	52,785
5-May	6	37,712	37,951	38,302	38,642	39,190	39,307
6-May	17	83,326	83,853	84,627	85,380	86,589	86,848
7-May	23	115,768	116,500	117,576	118,622	120,302	120,662
8-May	14	77,148	77,636	78,353	79,050	80,170	80,409
9-May	13	69,324	69,763	70,407	71,034	72,040	72,255
10-May	2	39,950	40,203	40,574	40,935	41,515	41,639
11-May	0	35,363	35,587	35,916	36,235	36,748	36,858
12-May	0	32,815	33,022	33,327	33,624	34,100	34,202
13-May	3	35,841	36,067	36,400	36,724	37,244	37,356
14-May	8	36,574	36,805	37,145	37,476	38,006	38,120
15-May	12	55,007	55,355	55,866	56,363	57,162	57,332
16-May	17	81,749	82,267	83,026	83,765	84,952	85,205
17-May	12	62,652	63,049	63,631	64,197	65,107	65,301
18-May	12	64,290	64,697	65,294	65,875	66,808	67,008
19-May	1	40,539	40,796	41,172	41,539	42,127	42,253
20-May	8	37,848	38,088	38,439	38,781	39,331	39,448
21-May	9	41,061	41,320	41,702	42,073	42,669	42,796
22-May	9	42,821	43,092	43,490	43,877	44,498	44,631
23-May	8	36,697	36,929	37,270	37,602	38,134	38,248
24-May	10	47,732	48,035	48,478	48,909	49,602	49,750
25-May	7	36,637	36,869	37,210	37,541	38,073	38,186
26-May	7	36,213	36,442	36,778	37,106	37,631	37,744
27-May	1	36,292	36,521	36,859	37,186	37,713	37,826
28-May	5	32,841	33,049	33,354	33,651	34,127	34,229
29-May	3	30,805	31,000	31,286	31,564	32,012	32,107
30-May	9	37,361	37,597	37,944	38,282	38,824	38,940
31-May	12	55,432	55,782	56,298	56,798	57,603	57,775
1-Jun	6	38,137	38,379	38,733	39,078	39,631	39,749
2-Jun	7	36,637	36,869	37,210	37,541	38,073	38,186
3-Jun	2	35,641	35,867	36,198	36,520	37,037	37,148
4-Jun	0	34,168	34,384	34,702	35,010	35,506	35,612
5-Jun	0	29,982	30,171	30,450	30,721	31,156	31,249
6-Jun	0	27,694	27,869	28,126	28,377	28,779	28,865
7-Jun	0	29,982	30,171	30,450	30,721	31,156	31,249
8-Jun	0	32,296	32,500	32,800	33,092	33,561	33,661

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9-Jun	0	30,597	30,791	31,075	31,351	31,795	31,890
10-Jun	0	29,548	29,735	30,010	30,277	30,706	30,797
11-Jun	0	29,123	29,308	29,578	29,841	30,264	30,355
12-Jun	0	26,610	26,778	27,026	27,266	27,652	27,735
13-Jun	0	25,822	25,985	26,225	26,459	26,833	26,913
14-Jun	0	28,535	28,715	28,980	29,238	29,652	29,741
15-Jun	9	35,963	36,191	36,525	36,850	37,372	37,484
16-Jun	7	31,965	32,167	32,464	32,753	33,217	33,316
17-Jun	1	37,141	37,376	37,721	38,057	38,596	38,711
18-Jun	5	32,841	33,049	33,354	33,651	34,127	34,229
19-Jun	6	30,128	30,319	30,599	30,871	31,308	31,402
20-Jun	5	30,840	31,035	31,322	31,600	32,048	32,144
21-Jun	0	34,733	34,953	35,275	35,589	36,093	36,201
22-Jun	0	31,698	31,899	32,193	32,480	32,940	33,038
23-Jun	0	27,451	27,624	27,879	28,128	28,526	28,611
24-Jun	0	27,451	27,624	27,879	28,128	28,526	28,611
25-Jun	0	27,451	27,624	27,879	28,128	28,526	28,611
26-Jun	0	26,264	26,430	26,674	26,912	27,293	27,374
27-Jun	0	23,777	23,928	24,148	24,363	24,708	24,782
28-Jun	0	24,565	24,721	24,949	25,171	25,527	25,604
29-Jun	0	25,977	26,142	26,383	26,618	26,995	27,075
30-Jun	0	26,402	26,569	26,814	27,053	27,436	27,518
1-Jul	0	26,827	26,996	27,246	27,488	27,878	27,961
2-Jul	0	26,827	26,996	27,246	27,488	27,878	27,961
3-Jul	0	25,415	25,575	25,812	26,041	26,410	26,489
4-Jul	0	23,578	23,727	23,946	24,159	24,501	24,575
5-Jul	0	24,140	24,293	24,517	24,736	25,086	25,161
6-Jul	1	23,974	24,125	24,348	24,565	24,913	24,987
7-Jul	2	27,571	27,745	28,002	28,251	28,651	28,737
8-Jul	0	33,875	34,089	34,404	34,710	35,201	35,307
9-Jul	0	29,853	30,041	30,319	30,589	31,022	31,115
10-Jul	0	23,118	23,264	23,479	23,688	24,023	24,095
11-Jul	0	20,605	20,735	20,926	21,113	21,412	21,476
12-Jul	0	22,866	23,011	23,223	23,430	23,762	23,833
13-Jul	0	26,003	26,168	26,410	26,645	27,022	27,103
14-Jul	0	26,229	26,395	26,639	26,876	27,256	27,338
15-Jul	0	25,379	25,540	25,776	26,005	26,374	26,452
16-Jul	0	25,180	25,340	25,574	25,801	26,167	26,245
17-Jul	0	23,343	23,491	23,708	23,919	24,258	24,330
18-Jul	0	21,082	21,215	21,411	21,602	21,908	21,973
19-Jul	0	21,644	21,781	21,983	22,178	22,492	22,559
20-Jul	0	23,056	23,202	23,417	23,625	23,960	24,031
21-Jul	0	24,132	24,284	24,509	24,727	25,077	25,152
22-Jul	0	23,906	24,057	24,279	24,495	24,842	24,917
23-Jul	0	23,680	23,830	24,050	24,264	24,608	24,682
24-Jul	0	22,892	23,037	23,250	23,457	23,789	23,860
25-Jul	0	21,680	21,817	22,018	22,214	22,529	22,596
26-Jul	0	23,092	23,238	23,452	23,661	23,996	24,068
27-Jul	0	25,379	25,540	25,776	26,005	26,374	26,452
28-Jul	0	25,379	25,540	25,776	26,005	26,374	26,452
29-Jul	0	24,955	25,113	25,345	25,570	25,932	26,010
30-Jul	0	24,955	25,113	25,345	25,570	25,932	26,010
31-Jul	0	23,092	23,238	23,452	23,661	23,996	24,068
1-Aug	0	22,330	22,471	22,679	22,880	23,205	23,274
2-Aug	0	23,768	23,919	24,139	24,354	24,699	24,773

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3-Aug	0	24,132	24,284	24,509	24,727	25,077	25,152
4-Aug	0	23,707	23,857	24,077	24,291	24,635	24,709
5-Aug	0	23,481	23,630	23,848	24,060	24,401	24,474
6-Aug	0	23,455	23,603	23,821	24,033	24,374	24,446
7-Aug	0	23,092	23,238	23,452	23,661	23,996	24,068
8-Aug	0	22,529	22,672	22,881	23,085	23,412	23,481
9-Aug	0	23,742	23,892	24,113	24,327	24,672	24,746
10-Aug	0	24,955	25,113	25,345	25,570	25,932	26,010
11-Aug	0	24,955	25,113	25,345	25,570	25,932	26,010
12-Aug	0	24,504	24,659	24,886	25,108	25,464	25,540
13-Aug	0	25,579	25,741	25,978	26,209	26,581	26,660
14-Aug	0	24,366	24,520	24,747	24,967	25,320	25,396
15-Aug	0	22,078	22,218	22,423	22,622	22,943	23,011
16-Aug	0	24,366	24,520	24,747	24,967	25,320	25,396
17-Aug	0	26,003	26,168	26,410	26,645	27,022	27,103
18-Aug	1	23,549	23,698	23,917	24,130	24,471	24,544
19-Aug	0	28,950	29,134	29,403	29,664	30,084	30,174
20-Aug	0	29,800	29,989	30,265	30,535	30,967	31,060
21-Aug	1	23,610	23,760	23,979	24,193	24,535	24,608
22-Aug	0	26,525	26,693	26,939	27,179	27,564	27,646
23-Aug	0	27,937	28,114	28,373	28,626	29,031	29,118
24-Aug	0	27,026	27,197	27,448	27,692	28,085	28,168
25-Aug	0	27,451	27,624	27,879	28,128	28,526	28,611
26-Aug	0	27,676	27,851	28,109	28,359	28,760	28,846
27-Aug	0	27,477	27,651	27,906	28,154	28,553	28,639
28-Aug	0	25,215	25,375	25,609	25,837	26,203	26,281
29-Aug	0	22,277	22,418	22,625	22,827	23,150	23,219
30-Aug	0	24,114	24,267	24,491	24,709	25,059	25,133
31-Aug	0	27,026	27,197	27,448	27,692	28,085	28,168
1-Sep	0	27,225	27,397	27,650	27,896	28,292	28,376
2-Sep	0	27,650	27,825	28,082	28,332	28,733	28,819
3-Sep	0	28,075	28,252	28,513	28,767	29,174	29,261
4-Sep	0	26,437	26,604	26,850	27,089	27,473	27,555
5-Sep	0	24,574	24,729	24,958	25,180	25,537	25,613
6-Sep	0	26,636	26,805	27,052	27,293	27,680	27,762
7-Sep	0	28,699	28,880	29,147	29,406	29,823	29,912
8-Sep	0	28,473	28,653	28,918	29,175	29,588	29,677
9-Sep	0	28,898	29,081	29,349	29,610	30,030	30,119
10-Sep	3	28,195	28,373	28,635	28,890	29,299	29,387
11-Sep	3	28,681	28,863	29,129	29,388	29,805	29,894
12-Sep	0	30,069	30,260	30,539	30,811	31,247	31,341
13-Sep	0	30,234	30,425	30,706	30,979	31,418	31,512
14-Sep	0	29,747	29,936	30,212	30,481	30,913	31,005
15-Sep	1	28,646	28,827	29,094	29,352	29,768	29,857
16-Sep	3	29,469	29,656	29,930	30,196	30,624	30,715
17-Sep	0	32,044	32,247	32,545	32,834	33,299	33,399
18-Sep	0	30,406	30,599	30,881	31,156	31,598	31,692
19-Sep	2	27,694	27,869	28,126	28,377	28,779	28,865
20-Sep	7	28,629	28,810	29,076	29,334	29,750	29,839
21-Sep	5	33,266	33,476	33,785	34,086	34,569	34,672
22-Sep	0	35,442	35,666	35,996	36,316	36,830	36,940
23-Sep	6	31,766	31,967	32,262	32,549	33,010	33,109
24-Sep	12	54,945	55,293	55,804	56,300	57,098	57,268
25-Sep	1	36,353	36,583	36,921	37,249	37,777	37,890
26-Sep	0	32,141	32,344	32,643	32,933	33,400	33,499

Date	RI HDDd	RI SFT2 2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
27-Sep	1	30,406	30,599	30,881	31,156	31,598	31,692
28-Sep	5	31,142	31,339	31,628	31,910	32,362	32,458
29-Sep	8	34,875	35,096	35,420	35,735	36,241	36,349
30-Sep	13	62,405	62,800	63,380	63,944	64,850	65,044
1-Oct	0	37,912	38,152	38,504	38,846	39,397	39,514
2-Oct	7	35,849	36,076	36,409	36,733	37,254	37,365
3-Oct	9	39,909	40,162	40,533	40,893	41,472	41,596
4-Oct	1	35,503	35,728	36,058	36,379	36,894	37,004
5-Oct	3	34,142	34,358	34,675	34,983	35,479	35,585
6-Oct	0	34,025	34,241	34,557	34,864	35,358	35,464
7-Oct	2	34,792	35,012	35,335	35,650	36,155	36,263
8-Oct	0	41,485	41,748	42,133	42,508	43,110	43,239
9-Oct	14	64,830	65,240	65,843	66,428	67,369	67,570
10-Oct	23	112,492	113,204	114,250	115,266	116,899	117,248
11-Oct	19	100,431	101,066	102,000	102,907	104,365	104,676
12-Oct	16	89,458	90,024	90,855	91,663	92,962	93,239
13-Oct	9	52,104	52,434	52,918	53,389	54,145	54,307
14-Oct	6	39,836	40,088	40,459	40,818	41,397	41,520
15-Oct	5	35,814	36,041	36,374	36,697	37,217	37,328
16-Oct	15	69,741	70,183	70,831	71,461	72,473	72,689
17-Oct	20	96,484	97,094	97,991	98,863	100,263	100,562
18-Oct	19	99,581	100,211	101,137	102,037	103,482	103,791
19-Oct	13	73,449	73,914	74,596	75,260	76,326	76,554
20-Oct	9	50,830	51,152	51,624	52,083	52,821	52,979
21-Oct	12	61,317	61,705	62,275	62,829	63,719	63,909
22-Oct	21	105,095	105,760	106,737	107,687	109,212	109,538
23-Oct	23	118,378	119,127	120,227	121,296	123,015	123,382
24-Oct	23	121,412	122,181	123,309	124,406	126,168	126,545
25-Oct	22	118,988	119,741	120,847	121,922	123,649	124,018
26-Oct	15	85,820	86,364	87,161	87,937	89,182	89,448
27-Oct	16	87,334	87,887	88,698	89,487	90,755	91,026
28-Oct	16	84,785	85,322	86,110	86,876	88,106	88,370
29-Oct	14	75,387	75,864	76,565	77,246	78,340	78,574
30-Oct	7	40,097	40,351	40,723	41,086	41,668	41,792
31-Oct	2	35,764	35,990	36,323	36,646	37,165	37,276
Nov	697	3,747,147	3,748,437	3,772,162	3,806,995	3,840,864	3,895,268
Dec	1,040	5,741,781	5,743,759	5,780,112	5,833,487	5,885,385	5,968,749
Jan	1,250	6,942,044	6,944,434	6,988,386	7,052,920	7,115,666	7,216,456
Feb	1,091	6,067,843	6,069,933	6,108,350	6,164,757	6,219,602	6,307,700
Mar	942	5,207,123	5,208,916	5,241,884	5,290,290	5,337,355	5,412,956
Apr	518	2,771,547	2,789,089	2,814,844	2,839,887	2,880,112	2,888,711
May	228	1,536,433	1,546,157	1,560,435	1,574,317	1,596,617	1,601,384
Jun	48	909,419	915,175	923,626	931,843	945,042	947,863
Jul	3	763,706	768,540	775,637	782,537	793,622	795,991
Aug	2	775,674	780,583	787,791	794,800	806,058	808,464
Sep	70	953,222	959,255	968,113	976,726	990,561	993,518
Oct	361	2,113,045	2,126,418	2,146,055	2,165,147	2,195,815	2,202,371
Total	6,250	37,528,984	37,600,696	37,867,395	38,213,706	38,606,698	39,039,431

Date	RI HDDd	RI FT-1 capacity-eligible 2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
1-Nov	16	9,053	9,480	9,496	9,513	9,542	9,584
2-Nov	9	8,476	8,876	8,891	8,907	8,935	8,974
3-Nov	14	9,850	10,314	10,332	10,350	10,382	10,428
4-Nov	13	9,560	10,011	10,028	10,046	10,077	10,121
5-Nov	20	11,338	11,873	11,893	11,914	11,951	12,004
6-Nov	19	10,371	10,860	10,879	10,898	10,932	10,980
7-Nov	16	8,925	9,346	9,361	9,378	9,407	9,449
8-Nov	14	9,222	9,657	9,674	9,691	9,721	9,764
9-Nov	20	11,413	11,951	11,972	11,993	12,030	12,083
10-Nov	15	10,314	10,801	10,819	10,838	10,872	10,920
11-Nov	15	10,339	10,827	10,845	10,864	10,898	10,946
12-Nov	14	9,975	10,445	10,463	10,481	10,514	10,560
13-Nov	20	10,511	11,007	11,025	11,045	11,079	11,128
14-Nov	19	9,519	9,968	9,985	10,003	10,034	10,078
15-Nov	24	11,720	12,273	12,293	12,315	12,354	12,408
16-Nov	27	13,416	14,049	14,072	14,098	14,141	14,204
17-Nov	19	11,698	12,249	12,270	12,292	12,330	12,384
18-Nov	28	13,731	14,378	14,403	14,428	14,473	14,537
19-Nov	30	14,235	14,907	14,932	14,958	15,005	15,071
20-Nov	31	13,872	14,527	14,551	14,577	14,623	14,687
21-Nov	31	13,070	13,687	13,710	13,734	13,777	13,838
22-Nov	37	15,411	16,138	16,165	16,194	16,244	16,316
23-Nov	41	17,397	18,217	18,248	18,281	18,337	18,418
24-Nov	43	18,126	18,981	19,013	19,047	19,106	19,190
25-Nov	45	18,755	19,640	19,673	19,708	19,769	19,856
26-Nov	27	14,539	15,225	15,251	15,278	15,326	15,393
27-Nov	17	10,865	11,378	11,397	11,417	11,453	11,503
28-Nov	20	10,009	10,481	10,498	10,517	10,550	10,596
29-Nov	24	11,670	12,220	12,241	12,263	12,301	12,355
30-Nov	29	13,921	14,577	14,602	14,628	14,673	14,738
1-Dec	20	11,987	12,553	12,574	12,596	12,635	12,691
2-Dec	28	13,806	14,457	14,481	14,507	14,552	14,616
3-Dec	29	14,020	14,682	14,706	14,733	14,778	14,843
4-Dec	34	14,567	15,254	15,280	15,307	15,354	15,422
5-Dec	25	11,682	12,233	12,253	12,275	12,313	12,367
6-Dec	39	15,816	16,561	16,589	16,619	16,671	16,744
7-Dec	28	14,180	14,849	14,874	14,900	14,947	15,013
8-Dec	19	12,097	12,668	12,689	12,712	12,751	12,807
9-Dec	29	13,995	14,656	14,680	14,706	14,752	14,817
10-Dec	23	12,582	13,175	13,197	13,221	13,262	13,320
11-Dec	20	11,085	11,608	11,628	11,648	11,685	11,736
12-Dec	27	11,662	12,212	12,233	12,254	12,292	12,347
13-Dec	27	12,639	13,235	13,257	13,281	13,322	13,381
14-Dec	41	17,047	17,851	17,881	17,913	17,969	18,048
15-Dec	45	18,356	19,222	19,254	19,288	19,348	19,433
16-Dec	39	17,367	18,186	18,216	18,249	18,306	18,386
17-Dec	32	15,638	16,376	16,404	16,433	16,484	16,556
18-Dec	41	16,595	17,377	17,407	17,438	17,492	17,569
19-Dec	32	13,610	14,251	14,276	14,301	14,345	14,409
20-Dec	49	18,563	19,438	19,471	19,506	19,566	19,652
21-Dec	51	20,119	21,068	21,103	21,141	21,207	21,300
22-Dec	32	16,038	16,794	16,822	16,852	16,905	16,979
23-Dec	21	12,976	13,588	13,611	13,635	13,678	13,738
24-Dec	27	13,666	14,310	14,334	14,360	14,405	14,468
25-Dec	41	16,020	16,776	16,804	16,834	16,887	16,961

Date	RI HDDd	RI FT-1 capacity-eligible 2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
26-Dec	42	15,882	16,632	16,660	16,689	16,741	16,815
27-Dec	51	19,292	20,202	20,236	20,272	20,335	20,424
28-Dec	51	20,419	21,382	21,418	21,456	21,523	21,617
29-Dec	32	16,088	16,846	16,875	16,905	16,958	17,032
30-Dec	35	16,333	17,103	17,132	17,162	17,216	17,292
31-Dec	30	14,734	15,429	15,455	15,483	15,531	15,599
1-Jan	61	21,240	22,242	22,279	22,319	22,389	22,487
2-Jan	38	15,498	16,228	16,256	16,285	16,335	16,407
3-Jan	23	12,978	13,590	13,613	13,637	13,680	13,740
4-Jan	28	14,105	14,770	14,795	14,822	14,868	14,933
5-Jan	19	11,698	12,249	12,270	12,292	12,330	12,384
6-Jan	28	13,756	14,404	14,429	14,454	14,499	14,563
7-Jan	38	16,153	16,915	16,944	16,974	17,027	17,102
8-Jan	41	17,347	18,165	18,196	18,228	18,285	18,365
9-Jan	41	15,917	16,668	16,696	16,726	16,778	16,852
10-Jan	30	14,232	14,903	14,928	14,955	15,001	15,067
11-Jan	43	17,951	18,798	18,830	18,863	18,922	19,005
12-Jan	50	19,680	20,608	20,642	20,679	20,744	20,835
13-Jan	41	18,021	18,871	18,903	18,936	18,995	19,079
14-Jan	46	19,170	20,074	20,108	20,144	20,206	20,295
15-Jan	43	17,474	18,298	18,329	18,361	18,418	18,499
16-Jan	30	13,530	14,168	14,191	14,217	14,261	14,324
17-Jan	40	16,405	17,179	17,207	17,238	17,292	17,368
18-Jan	55	20,803	21,785	21,821	21,860	21,928	22,025
19-Jan	68	25,091	26,274	26,318	26,365	26,447	26,564
20-Jan	54	21,887	22,919	22,958	22,998	23,070	23,172
21-Jan	44	19,464	20,382	20,416	20,453	20,516	20,607
22-Jan	34	15,590	16,326	16,353	16,382	16,433	16,506
23-Jan	32	13,734	14,382	14,406	14,432	14,477	14,541
24-Jan	44	17,189	18,000	18,030	18,062	18,118	18,198
25-Jan	24	13,521	14,158	14,182	14,207	14,252	14,314
26-Jan	41	17,397	18,217	18,248	18,281	18,337	18,418
27-Jan	46	18,521	19,394	19,427	19,462	19,522	19,608
28-Jan	32	15,713	16,454	16,482	16,511	16,563	16,636
29-Jan	46	17,968	18,816	18,847	18,881	18,940	19,023
30-Jan	47	17,331	18,148	18,179	18,211	18,268	18,348
31-Jan	43	17,623	18,455	18,486	18,519	18,576	18,658
1-Feb	17	12,192	12,767	12,788	12,811	12,851	12,907
2-Feb	28	14,080	14,744	14,769	14,795	14,841	14,907
3-Feb	45	17,782	18,620	18,652	18,685	18,743	18,826
4-Feb	45	18,481	19,352	19,385	19,419	19,480	19,566
5-Feb	56	20,665	21,640	21,677	21,715	21,783	21,879
6-Feb	56	20,063	21,009	21,045	21,082	21,148	21,241
7-Feb	57	21,454	22,466	22,504	22,544	22,614	22,714
8-Feb	42	18,760	19,645	19,678	19,713	19,774	19,861
9-Feb	44	18,890	19,781	19,814	19,850	19,911	19,999
10-Feb	39	17,367	18,186	18,216	18,249	18,306	18,386
11-Feb	42	18,011	18,860	18,892	18,926	18,985	19,068
12-Feb	37	15,885	16,634	16,662	16,692	16,744	16,818
13-Feb	43	16,397	17,170	17,199	17,230	17,283	17,359
14-Feb	45	17,778	18,617	18,648	18,681	18,740	18,822
15-Feb	32	15,738	16,480	16,508	16,538	16,589	16,662
16-Feb	33	15,703	16,444	16,472	16,501	16,552	16,625
17-Feb	35	15,883	16,632	16,660	16,690	16,742	16,816
18-Feb	31	14,999	15,707	15,733	15,761	15,810	15,880

Date	RI HDDd	RI FT-1 capacity-eligible 2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
19-Feb	37	15,511	16,242	16,270	16,299	16,349	16,421
20-Feb	22	11,087	11,610	11,630	11,650	11,687	11,738
21-Feb	39	15,816	16,561	16,589	16,619	16,671	16,744
22-Feb	43	17,702	18,536	18,568	18,601	18,659	18,741
23-Feb	22	13,191	13,813	13,836	13,861	13,904	13,965
24-Feb	35	15,883	16,632	16,660	16,690	16,742	16,816
25-Feb	43	17,602	18,432	18,463	18,496	18,553	18,635
26-Feb	43	17,249	18,062	18,093	18,125	18,182	18,262
27-Feb	41	16,092	16,851	16,879	16,909	16,962	17,037
28-Feb	39	16,440	17,215	17,244	17,275	17,328	17,405
1-Mar	47	19,135	20,037	20,071	20,107	20,170	20,258
2-Mar	32	15,688	16,428	16,456	16,485	16,537	16,609
3-Mar	43	18,151	19,007	19,039	19,073	19,132	19,217
4-Mar	42	17,811	18,651	18,683	18,716	18,774	18,857
5-Mar	27	13,587	14,228	14,252	14,278	14,322	14,385
6-Mar	36	14,469	15,151	15,177	15,204	15,251	15,318
7-Mar	32	14,237	14,909	14,934	14,960	15,007	15,073
8-Mar	41	17,397	18,217	18,248	18,281	18,337	18,418
9-Mar	45	18,481	19,352	19,385	19,419	19,480	19,566
10-Mar	46	19,045	19,943	19,977	20,012	20,075	20,163
11-Mar	21	13,176	13,797	13,820	13,845	13,888	13,949
12-Mar	16	10,501	10,996	11,014	11,034	11,068	11,117
13-Mar	22	10,313	10,800	10,818	10,837	10,871	10,919
14-Mar	20	10,736	11,242	11,261	11,281	11,316	11,366
15-Mar	25	12,912	13,521	13,543	13,567	13,610	13,670
16-Mar	27	13,466	14,101	14,125	14,150	14,194	14,257
17-Mar	35	15,559	16,293	16,320	16,349	16,400	16,472
18-Mar	27	13,890	14,545	14,570	14,596	14,641	14,706
19-Mar	28	13,253	13,878	13,901	13,926	13,970	14,031
20-Mar	28	12,201	12,777	12,798	12,821	12,861	12,918
21-Mar	28	13,103	13,721	13,744	13,769	13,812	13,873
22-Mar	21	12,302	12,882	12,904	12,927	12,967	13,024
23-Mar	24	12,847	13,452	13,475	13,499	13,541	13,601
24-Mar	29	13,946	14,603	14,628	14,654	14,700	14,764
25-Mar	21	12,227	12,804	12,825	12,848	12,888	12,945
26-Mar	26	12,474	13,062	13,084	13,108	13,148	13,206
27-Mar	41	15,118	15,831	15,858	15,886	15,936	16,006
28-Mar	42	16,735	17,524	17,553	17,585	17,639	17,717
29-Mar	29	14,894	15,597	15,623	15,651	15,699	15,768
30-Mar	20	12,437	13,023	13,045	13,068	13,109	13,167
31-Mar	21	12,127	12,699	12,721	12,743	12,783	12,839
1-Apr	23	12,940	12,962	12,985	13,025	13,083	13,081
2-Apr	24	13,296	13,318	13,342	13,383	13,442	13,440
3-Apr	25	12,733	12,754	12,777	12,817	12,873	12,871
4-Apr	21	10,862	10,881	10,900	10,934	10,982	10,980
5-Apr	39	16,222	16,249	16,278	16,329	16,400	16,398
6-Apr	31	15,497	15,524	15,551	15,600	15,668	15,666
7-Apr	19	12,746	12,768	12,790	12,830	12,887	12,885
8-Apr	29	14,734	14,759	14,785	14,831	14,896	14,894
9-Apr	12	10,413	10,431	10,450	10,482	10,528	10,527
10-Apr	22	11,823	11,843	11,864	11,901	11,953	11,951
11-Apr	21	10,470	10,488	10,507	10,539	10,586	10,584
12-Apr	19	11,122	11,141	11,160	11,195	11,244	11,243
13-Apr	7	8,949	8,964	8,980	9,008	9,048	9,046
14-Apr	15	10,592	10,609	10,628	10,661	10,708	10,707

Date	RI HDDd	RI FT-1 capacity-eligible 2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
15-Apr	17	10,989	11,008	11,027	11,062	11,110	11,109
16-Apr	21	12,255	12,275	12,297	12,336	12,390	12,388
17-Apr	21	11,493	11,513	11,533	11,569	11,620	11,618
18-Apr	13	8,671	8,685	8,701	8,728	8,766	8,765
19-Apr	15	9,882	9,899	9,917	9,947	9,991	9,990
20-Apr	5	8,169	8,183	8,198	8,223	8,259	8,258
21-Apr	14	10,184	10,201	10,219	10,251	10,296	10,294
22-Apr	7	8,400	8,414	8,429	8,455	8,493	8,491
23-Apr	15	10,461	10,478	10,497	10,530	10,576	10,575
24-Apr	15	9,569	9,585	9,602	9,632	9,674	9,673
25-Apr	14	8,608	8,623	8,638	8,665	8,703	8,702
26-Apr	10	8,496	8,511	8,526	8,552	8,590	8,589
27-Apr	7	8,531	8,545	8,560	8,587	8,625	8,624
28-Apr	8	8,599	8,613	8,629	8,655	8,694	8,692
29-Apr	13	9,802	9,818	9,836	9,866	9,910	9,908
30-Apr	16	10,712	10,730	10,749	10,783	10,830	10,828
1-May	0	8,245	8,259	8,274	8,299	8,336	8,335
2-May	0	7,473	7,486	7,499	7,522	7,556	7,554
3-May	0	8,235	8,249	8,263	8,289	8,326	8,324
4-May	0	9,179	9,195	9,211	9,240	9,281	9,279
5-May	6	8,175	8,189	8,203	8,229	8,265	8,264
6-May	17	10,832	10,851	10,870	10,904	10,952	10,950
7-May	23	12,522	12,543	12,565	12,604	12,660	12,658
8-May	14	9,788	9,805	9,822	9,853	9,896	9,894
9-May	13	8,540	8,554	8,570	8,596	8,634	8,633
10-May	2	7,135	7,147	7,159	7,182	7,213	7,212
11-May	0	8,295	8,309	8,324	8,350	8,387	8,386
12-May	0	8,139	8,152	8,167	8,192	8,228	8,227
13-May	3	7,743	7,756	7,770	7,794	7,829	7,827
14-May	8	8,416	8,430	8,445	8,471	8,509	8,507
15-May	12	8,528	8,542	8,557	8,584	8,622	8,621
16-May	17	9,100	9,115	9,132	9,160	9,200	9,199
17-May	12	8,998	9,013	9,030	9,058	9,098	9,096
18-May	12	9,917	9,933	9,951	9,982	10,026	10,025
19-May	1	7,944	7,958	7,972	7,997	8,032	8,031
20-May	8	8,494	8,509	8,524	8,550	8,588	8,587
21-May	9	8,641	8,655	8,671	8,698	8,736	8,735
22-May	9	7,931	7,945	7,959	7,984	8,019	8,018
23-May	8	6,788	6,800	6,812	6,833	6,863	6,862
24-May	10	8,183	8,196	8,211	8,236	8,273	8,272
25-May	7	8,374	8,388	8,403	8,429	8,466	8,465
26-May	7	8,348	8,362	8,377	8,403	8,440	8,439
27-May	1	7,683	7,696	7,710	7,734	7,768	7,767
28-May	5	7,647	7,659	7,673	7,697	7,731	7,730
29-May	3	6,616	6,627	6,639	6,659	6,689	6,688
30-May	9	6,778	6,789	6,801	6,822	6,852	6,851
31-May	12	8,554	8,568	8,584	8,610	8,648	8,647
1-Jun	6	8,201	8,215	8,230	8,255	8,292	8,290
2-Jun	7	8,374	8,388	8,403	8,429	8,466	8,465
3-Jun	2	7,687	7,700	7,714	7,738	7,772	7,771
4-Jun	0	7,552	7,565	7,579	7,602	7,636	7,635
5-Jun	0	6,477	6,488	6,500	6,520	6,549	6,548
6-Jun	0	5,563	5,572	5,582	5,599	5,624	5,623
7-Jun	0	6,477	6,488	6,500	6,520	6,549	6,548
8-Jun	0	7,305	7,318	7,331	7,353	7,386	7,385

Date	RI HDDd	RI FT-1 capacity-eligible 2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
9-Jun	0	7,201	7,213	7,226	7,248	7,280	7,279
10-Jun	0	7,092	7,104	7,117	7,139	7,170	7,169
11-Jun	0	7,066	7,078	7,091	7,113	7,144	7,143
12-Jun	0	6,182	6,192	6,203	6,222	6,250	6,249
13-Jun	0	5,316	5,324	5,334	5,351	5,374	5,373
14-Jun	0	6,256	6,267	6,278	6,297	6,325	6,324
15-Jun	9	8,327	8,341	8,356	8,382	8,419	8,418
16-Jun	7	8,086	8,100	8,114	8,140	8,175	8,174
17-Jun	1	7,735	7,748	7,762	7,786	7,821	7,820
18-Jun	5	7,647	7,659	7,673	7,697	7,731	7,730
19-Jun	6	6,891	6,902	6,915	6,936	6,967	6,966
20-Jun	5	5,888	5,898	5,909	5,927	5,953	5,952
21-Jun	0	6,506	6,517	6,528	6,549	6,577	6,577
22-Jun	0	7,137	7,149	7,161	7,184	7,215	7,214
23-Jun	0	6,875	6,887	6,899	6,921	6,951	6,950
24-Jun	0	6,875	6,887	6,899	6,921	6,951	6,950
25-Jun	0	6,875	6,887	6,899	6,921	6,951	6,950
26-Jun	0	5,897	5,907	5,917	5,936	5,962	5,961
27-Jun	0	4,926	4,934	4,943	4,958	4,980	4,980
28-Jun	0	5,792	5,802	5,812	5,830	5,856	5,855
29-Jun	0	6,741	6,752	6,764	6,785	6,815	6,814
30-Jun	0	6,767	6,778	6,790	6,811	6,841	6,840
1-Jul	0	6,793	6,804	6,816	6,838	6,868	6,867
2-Jul	0	6,793	6,804	6,816	6,838	6,868	6,867
3-Jul	0	5,844	5,854	5,865	5,883	5,909	5,908
4-Jul	0	4,870	4,878	4,887	4,902	4,923	4,923
5-Jul	0	5,766	5,776	5,786	5,804	5,829	5,829
6-Jul	1	6,925	6,937	6,949	6,971	7,001	7,000
7-Jul	2	7,190	7,202	7,215	7,238	7,270	7,269
8-Jul	0	7,095	7,107	7,119	7,142	7,173	7,172
9-Jul	0	6,803	6,815	6,827	6,848	6,878	6,877
10-Jul	0	5,571	5,581	5,590	5,608	5,633	5,632
11-Jul	0	4,687	4,695	4,703	4,718	4,738	4,738
12-Jul	0	5,688	5,697	5,707	5,725	5,750	5,749
13-Jul	0	6,654	6,666	6,677	6,698	6,728	6,727
14-Jul	0	6,624	6,635	6,647	6,668	6,697	6,696
15-Jul	0	6,572	6,583	6,595	6,615	6,644	6,643
16-Jul	0	6,516	6,527	6,538	6,559	6,588	6,587
17-Jul	0	5,541	5,550	5,560	5,578	5,602	5,601
18-Jul	0	4,540	4,548	4,556	4,570	4,590	4,590
19-Jul	0	5,436	5,446	5,455	5,472	5,496	5,496
20-Jul	0	6,385	6,396	6,407	6,427	6,455	6,454
21-Jul	0	6,407	6,418	6,429	6,449	6,478	6,477
22-Jul	0	6,437	6,448	6,460	6,480	6,508	6,507
23-Jul	0	6,467	6,478	6,490	6,510	6,539	6,538
24-Jul	0	5,601	5,611	5,621	5,638	5,663	5,662
25-Jul	0	4,709	4,717	4,725	4,740	4,761	4,760
26-Jul	0	5,657	5,667	5,677	5,695	5,720	5,719
27-Jul	0	6,572	6,583	6,595	6,615	6,644	6,643
28-Jul	0	6,572	6,583	6,595	6,615	6,644	6,643
29-Jul	0	6,546	6,557	6,569	6,589	6,618	6,617
30-Jul	0	6,546	6,557	6,569	6,589	6,618	6,617
31-Jul	0	5,657	5,667	5,677	5,695	5,720	5,719
1-Aug	0	4,705	4,713	4,721	4,736	4,757	4,756
2-Aug	0	5,567	5,577	5,587	5,604	5,629	5,628

Date	RI HDDd	RI FT-1 capacity-eligible 2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
3-Aug	0	6,407	6,418	6,429	6,449	6,478	6,477
4-Aug	0	6,381	6,392	6,403	6,423	6,451	6,450
5-Aug	0	6,411	6,422	6,433	6,453	6,482	6,481
6-Aug	0	6,497	6,508	6,520	6,540	6,569	6,568
7-Aug	0	5,657	5,667	5,677	5,695	5,720	5,719
8-Aug	0	4,761	4,769	4,778	4,793	4,814	4,813
9-Aug	0	5,653	5,663	5,673	5,691	5,716	5,715
10-Aug	0	6,546	6,557	6,569	6,589	6,618	6,617
11-Aug	0	6,546	6,557	6,569	6,589	6,618	6,617
12-Aug	0	6,606	6,617	6,629	6,650	6,679	6,678
13-Aug	0	6,628	6,639	6,651	6,672	6,701	6,700
14-Aug	0	5,736	5,746	5,756	5,774	5,799	5,798
15-Aug	0	4,821	4,829	4,838	4,853	4,875	4,874
16-Aug	0	5,736	5,746	5,756	5,774	5,799	5,798
17-Aug	0	6,654	6,666	6,677	6,698	6,728	6,727
18-Aug	1	6,899	6,911	6,923	6,944	6,975	6,974
19-Aug	0	6,924	6,935	6,948	6,969	7,000	6,999
20-Aug	0	6,976	6,988	7,000	7,022	7,053	7,052
21-Aug	1	6,085	6,095	6,106	6,125	6,152	6,151
22-Aug	0	5,139	5,148	5,157	5,173	5,196	5,195
23-Aug	0	6,088	6,098	6,109	6,128	6,155	6,154
24-Aug	0	6,849	6,861	6,873	6,894	6,925	6,924
25-Aug	0	6,875	6,887	6,899	6,921	6,951	6,950
26-Aug	0	6,845	6,857	6,869	6,890	6,921	6,920
27-Aug	0	6,789	6,800	6,812	6,834	6,864	6,863
28-Aug	0	5,788	5,798	5,808	5,826	5,852	5,851
29-Aug	0	4,878	4,886	4,895	4,910	4,931	4,931
30-Aug	0	5,852	5,862	5,873	5,891	5,917	5,916
31-Aug	0	6,849	6,861	6,873	6,894	6,925	6,924
1-Sep	0	6,905	6,917	6,929	6,951	6,981	6,980
2-Sep	0	6,931	6,943	6,956	6,977	7,008	7,007
3-Sep	0	6,958	6,969	6,982	7,003	7,034	7,033
4-Sep	0	6,039	6,049	6,060	6,079	6,106	6,105
5-Sep	0	5,151	5,159	5,169	5,185	5,208	5,207
6-Sep	0	6,095	6,106	6,117	6,136	6,163	6,162
7-Sep	0	7,040	7,052	7,064	7,086	7,118	7,117
8-Sep	0	7,070	7,082	7,095	7,117	7,148	7,147
9-Sep	0	7,096	7,108	7,121	7,143	7,174	7,173
10-Sep	3	7,273	7,285	7,298	7,321	7,353	7,352
11-Sep	3	6,485	6,496	6,507	6,528	6,556	6,556
12-Sep	0	5,577	5,586	5,596	5,614	5,638	5,638
13-Sep	0	6,361	6,371	6,383	6,403	6,431	6,430
14-Sep	0	7,148	7,161	7,173	7,196	7,227	7,226
15-Sep	1	7,213	7,225	7,238	7,260	7,292	7,291
16-Sep	3	7,351	7,364	7,377	7,400	7,432	7,431
17-Sep	0	7,422	7,434	7,447	7,471	7,503	7,502
18-Sep	0	6,503	6,514	6,526	6,546	6,575	6,574
19-Sep	2	5,563	5,572	5,582	5,599	5,624	5,623
20-Sep	7	7,063	7,075	7,088	7,110	7,141	7,140
21-Sep	5	7,673	7,686	7,699	7,723	7,757	7,756
22-Sep	0	7,631	7,644	7,657	7,681	7,715	7,714
23-Sep	6	7,809	7,822	7,836	7,861	7,895	7,894
24-Sep	12	9,342	9,357	9,374	9,403	9,445	9,443
25-Sep	1	6,869	6,881	6,893	6,914	6,945	6,944
26-Sep	0	5,880	5,890	5,901	5,919	5,945	5,944

Date	RI HDDd	RI FT-1 capacity-eligible 2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
27-Sep	1	6,503	6,514	6,526	6,546	6,575	6,574
28-Sep	5	7,542	7,555	7,568	7,592	7,625	7,624
29-Sep	8	8,311	8,325	8,340	8,366	8,403	8,402
30-Sep	13	9,750	9,766	9,783	9,814	9,857	9,856
1-Oct	0	8,452	8,467	8,482	8,508	8,545	8,544
2-Oct	7	7,508	7,520	7,534	7,557	7,590	7,589
3-Oct	9	6,935	6,946	6,959	6,980	7,011	7,010
4-Oct	1	6,817	6,828	6,841	6,862	6,892	6,891
5-Oct	3	7,639	7,652	7,665	7,689	7,723	7,722
6-Oct	0	8,259	8,273	8,288	8,313	8,350	8,349
7-Oct	2	7,635	7,648	7,661	7,685	7,719	7,718
8-Oct	0	8,667	8,681	8,697	8,724	8,762	8,761
9-Oct	14	9,030	9,045	9,061	9,089	9,129	9,128
10-Oct	23	10,685	10,703	10,722	10,755	10,803	10,801
11-Oct	19	10,965	10,983	11,003	11,037	11,086	11,084
12-Oct	16	11,261	11,280	11,300	11,335	11,385	11,383
13-Oct	9	9,320	9,336	9,353	9,382	9,423	9,422
14-Oct	6	8,306	8,320	8,335	8,361	8,397	8,396
15-Oct	5	7,830	7,843	7,857	7,881	7,916	7,915
16-Oct	15	9,281	9,297	9,313	9,342	9,383	9,382
17-Oct	20	9,853	9,870	9,887	9,918	9,962	9,960
18-Oct	19	10,913	10,931	10,951	10,985	11,033	11,031
19-Oct	13	10,429	10,447	10,465	10,498	10,544	10,543
20-Oct	9	9,242	9,258	9,274	9,303	9,344	9,343
21-Oct	12	9,734	9,750	9,768	9,798	9,841	9,840
22-Oct	21	11,967	11,987	12,009	12,046	12,099	12,097
23-Oct	23	11,865	11,885	11,906	11,943	11,995	11,994
24-Oct	23	11,234	11,253	11,273	11,308	11,358	11,356
25-Oct	22	11,953	11,974	11,995	12,032	12,085	12,083
26-Oct	15	11,088	11,107	11,127	11,161	11,210	11,209
27-Oct	16	11,130	11,149	11,169	11,204	11,253	11,251
28-Oct	16	10,973	10,992	11,011	11,046	11,094	11,093
29-Oct	14	10,497	10,515	10,534	10,567	10,613	10,612
30-Oct	7	7,769	7,782	7,796	7,820	7,855	7,854
31-Oct	2	6,059	6,069	6,080	6,099	6,126	6,125
Nov	697	361,302	378,342	378,980	379,655	380,837	382,513
Dec	1,040	468,859	490,972	491,800	492,676	494,209	496,384
Jan	1,250	526,985	551,840	552,770	553,755	555,478	557,922
Feb	1,091	466,700	488,712	489,535	490,408	491,934	494,099
Mar	942	442,217	463,074	463,854	464,681	466,127	468,178
Apr	518	327,219	327,770	328,354	329,376	330,826	330,778
May	228	261,240	261,681	262,147	262,963	264,120	264,082
Jun	48	205,713	206,060	206,427	207,070	207,981	207,951
Jul	3	189,466	189,785	190,123	190,715	191,554	191,527
Aug	2	190,150	190,470	190,809	191,403	192,246	192,218
Sep	70	210,554	210,909	211,285	211,942	212,875	212,844
Oct	361	293,296	293,790	294,313	295,229	296,529	296,486
Total	6,250	3,943,702	4,053,405	4,060,398	4,069,873	4,084,715	4,094,982

Date	RI HDDd	RI FIRM_CE + Non-Firm 2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
1-Nov	16	21,106	21,830	21,846	21,865	21,922	21,993
2-Nov	9	20,583	21,293	21,309	21,327	21,384	21,453
3-Nov	14	22,002	22,755	22,771	22,790	22,850	22,923
4-Nov	13	21,713	22,457	22,473	22,492	22,551	22,623
5-Nov	20	23,647	24,453	24,469	24,489	24,552	24,630
6-Nov	19	22,134	22,885	22,900	22,917	22,976	23,048
7-Nov	16	20,078	20,757	20,770	20,785	20,838	20,903
8-Nov	14	20,796	21,503	21,517	21,534	21,589	21,658
9-Nov	20	23,674	24,480	24,496	24,515	24,579	24,656
10-Nov	15	22,353	23,116	23,131	23,149	23,210	23,283
11-Nov	15	22,362	23,124	23,140	23,158	23,218	23,292
12-Nov	14	22,047	22,800	22,816	22,834	22,894	22,967
13-Nov	20	22,369	23,129	23,144	23,162	23,222	23,295
14-Nov	19	20,847	21,552	21,565	21,581	21,637	21,704
15-Nov	24	23,544	24,339	24,353	24,371	24,433	24,509
16-Nov	27	25,688	26,556	26,572	26,591	26,659	26,742
17-Nov	19	23,590	24,387	24,402	24,420	24,483	24,559
18-Nov	28	25,986	26,863	26,878	26,898	26,966	27,050
19-Nov	30	26,538	27,431	27,447	27,467	27,537	27,622
20-Nov	31	25,612	26,468	26,482	26,500	26,566	26,647
21-Nov	31	24,343	25,153	25,166	25,182	25,244	25,321
22-Nov	37	26,975	27,871	27,884	27,902	27,970	28,055
23-Nov	41	27,506	28,399	28,407	28,421	28,488	28,570
24-Nov	43	27,187	28,055	28,059	28,071	28,135	28,213
25-Nov	45	26,832	27,675	27,676	27,685	27,746	27,821
26-Nov	27	26,091	26,958	26,971	26,988	27,055	27,137
27-Nov	17	21,940	22,674	22,685	22,701	22,757	22,827
28-Nov	20	21,208	21,922	21,934	21,950	22,005	22,074
29-Nov	24	23,526	24,321	24,335	24,353	24,415	24,492
30-Nov	29	26,240	27,125	27,141	27,160	27,229	27,314
1-Dec	20	23,879	24,685	24,700	24,718	24,781	24,858
2-Dec	28	26,013	26,889	26,905	26,924	26,993	27,076
3-Dec	29	26,276	27,160	27,176	27,196	27,265	27,349
4-Dec	34	26,416	27,299	27,313	27,332	27,400	27,484
5-Dec	25	22,734	23,491	23,503	23,518	23,577	23,649
6-Dec	39	26,539	27,410	27,421	27,436	27,502	27,584
7-Dec	28	26,147	27,023	27,038	27,057	27,125	27,208
8-Dec	19	23,733	24,530	24,544	24,561	24,623	24,699
9-Dec	29	26,267	27,152	27,167	27,187	27,256	27,340
10-Dec	23	24,648	25,481	25,496	25,514	25,580	25,659
11-Dec	20	22,575	23,335	23,348	23,365	23,424	23,497
12-Dec	27	23,097	23,873	23,886	23,902	23,963	24,036
13-Dec	27	24,429	25,250	25,264	25,282	25,346	25,424
14-Dec	41	27,381	28,274	28,283	28,298	28,365	28,448
15-Dec	45	26,688	27,532	27,534	27,544	27,605	27,681
16-Dec	39	28,076	28,993	29,003	29,019	29,088	29,173
17-Dec	32	27,411	28,322	28,336	28,354	28,424	28,510
18-Dec	41	26,238	27,084	27,091	27,103	27,166	27,244
19-Dec	32	24,722	25,541	25,552	25,568	25,631	25,708
20-Dec	49	25,345	26,125	26,122	26,128	26,183	26,251
21-Dec	51	26,895	27,722	27,719	27,725	27,783	27,855
22-Dec	32	27,554	28,465	28,478	28,495	28,565	28,650
23-Dec	21	24,419	25,233	25,246	25,263	25,326	25,403
24-Dec	27	25,778	26,645	26,660	26,679	26,747	26,830
25-Dec	41	26,032	26,879	26,887	26,901	26,964	27,042

Date	RI HDDd	RI FIRM_CE + Non-Firm 2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
26-Dec	42	24,711	25,499	25,503	25,513	25,571	25,642
27-Dec	51	26,117	26,920	26,917	26,923	26,979	27,049
28-Dec	51	27,245	28,084	28,081	28,087	28,146	28,219
29-Dec	32	27,572	28,483	28,495	28,513	28,582	28,668
30-Dec	35	28,216	29,153	29,167	29,186	29,258	29,346
31-Dec	30	26,717	27,610	27,625	27,643	27,713	27,798
1-Jan	61	27,984	28,845	28,842	28,848	28,909	28,984
2-Jan	38	25,734	26,572	26,580	26,594	26,657	26,734
3-Jan	23	23,809	24,595	24,605	24,620	24,680	24,754
4-Jan	28	26,121	26,997	27,011	27,030	27,098	27,182
5-Jan	19	23,590	24,387	24,402	24,420	24,483	24,559
6-Jan	28	25,995	26,872	26,887	26,907	26,975	27,059
7-Jan	38	27,932	28,862	28,876	28,894	28,966	29,054
8-Jan	41	27,488	28,381	28,389	28,404	28,471	28,553
9-Jan	41	25,014	25,814	25,819	25,830	25,889	25,961
10-Jan	30	25,555	26,403	26,415	26,431	26,496	26,576
11-Jan	43	27,124	27,992	27,997	28,009	28,073	28,152
12-Jan	50	26,421	27,234	27,231	27,237	27,294	27,365
13-Jan	41	27,730	28,622	28,629	28,642	28,708	28,790
14-Jan	46	26,690	27,520	27,520	27,527	27,587	27,660
15-Jan	43	25,972	26,794	26,796	26,806	26,866	26,939
16-Jan	30	24,322	25,124	25,134	25,149	25,210	25,285
17-Jan	40	26,460	27,319	27,327	27,340	27,405	27,484
18-Jan	55	27,530	28,378	28,375	28,381	28,440	28,514
19-Jan	68	31,559	32,531	32,527	32,534	32,602	32,687
20-Jan	54	28,841	29,729	29,726	29,732	29,794	29,871
21-Jan	44	27,376	28,231	28,231	28,240	28,301	28,377
22-Jan	34	26,783	27,666	27,677	27,693	27,761	27,843
23-Jan	32	24,766	25,585	25,596	25,612	25,675	25,752
24-Jan	44	25,580	26,389	26,392	26,401	26,460	26,533
25-Jan	24	25,170	26,011	26,024	26,042	26,107	26,186
26-Jan	41	27,506	28,399	28,407	28,421	28,488	28,570
27-Jan	46	26,457	27,288	27,289	27,298	27,358	27,432
28-Jan	32	27,438	28,349	28,362	28,380	28,450	28,536
29-Jan	46	25,278	26,063	26,062	26,068	26,124	26,193
30-Jan	47	24,176	24,920	24,918	24,923	24,975	25,040
31-Jan	43	26,025	26,847	26,849	26,859	26,918	26,992
1-Feb	17	23,396	24,176	24,188	24,204	24,264	24,338
2-Feb	28	26,112	26,988	27,003	27,021	27,089	27,173
3-Feb	45	26,483	27,326	27,330	27,341	27,403	27,479
4-Feb	45	26,733	27,576	27,579	27,588	27,649	27,724
5-Feb	56	27,518	28,365	28,362	28,368	28,428	28,501
6-Feb	56	27,004	27,835	27,832	27,837	27,896	27,968
7-Feb	57	28,401	29,275	29,272	29,278	29,340	29,416
8-Feb	42	27,704	28,584	28,588	28,599	28,663	28,743
9-Feb	44	27,170	28,026	28,027	28,037	28,098	28,175
10-Feb	39	28,076	28,993	29,003	29,019	29,088	29,173
11-Feb	42	27,436	28,316	28,322	28,334	28,399	28,480
12-Feb	37	27,145	28,041	28,052	28,069	28,138	28,221
13-Feb	43	24,605	25,380	25,382	25,391	25,447	25,516
14-Feb	45	25,500	26,297	26,298	26,305	26,362	26,433
15-Feb	32	27,447	28,358	28,371	28,389	28,459	28,545
16-Feb	33	27,620	28,540	28,554	28,572	28,643	28,730
17-Feb	35	28,055	28,992	29,007	29,027	29,099	29,188
18-Feb	31	26,997	27,899	27,914	27,932	28,002	28,088

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19-Feb	37	27,011	27,907	27,919	27,937	28,006	28,090
20-Feb	22	21,965	22,696	22,707	22,722	22,778	22,847
21-Feb	39	26,539	27,410	27,421	27,436	27,502	27,584
22-Feb	43	27,035	27,903	27,909	27,921	27,985	28,064
23-Feb	22	24,681	25,504	25,517	25,534	25,598	25,676
24-Feb	35	28,055	28,992	29,007	29,027	29,099	29,188
25-Feb	43	26,999	27,867	27,873	27,886	27,950	28,029
26-Feb	43	25,891	26,713	26,716	26,726	26,786	26,860
27-Feb	41	25,076	25,877	25,881	25,891	25,950	26,023
28-Feb	39	26,763	27,634	27,643	27,657	27,722	27,803
1-Mar	47	26,387	27,205	27,204	27,211	27,269	27,341
2-Mar	32	27,429	28,340	28,353	28,371	28,441	28,527
3-Mar	43	27,196	28,064	28,068	28,080	28,143	28,222
4-Mar	42	27,364	28,245	28,251	28,264	28,329	28,409
5-Mar	27	24,768	25,590	25,601	25,617	25,680	25,758
6-Mar	36	25,771	26,625	26,637	26,653	26,719	26,799
7-Mar	32	25,928	26,793	26,806	26,824	26,891	26,973
8-Mar	41	27,506	28,399	28,407	28,421	28,488	28,570
9-Mar	45	26,733	27,576	27,579	27,588	27,649	27,724
10-Mar	46	26,645	27,476	27,476	27,483	27,543	27,616
11-Mar	21	24,490	25,305	25,317	25,333	25,396	25,473
12-Mar	16	21,624	22,349	22,361	22,376	22,433	22,501
13-Mar	22	21,688	22,419	22,432	22,448	22,506	22,576
14-Mar	20	22,450	23,210	23,224	23,241	23,301	23,374
15-Mar	25	25,137	25,987	26,003	26,022	26,088	26,170
16-Mar	27	25,706	26,574	26,589	26,609	26,677	26,760
17-Mar	35	27,938	28,876	28,892	28,912	28,985	29,074
18-Mar	27	25,858	26,726	26,740	26,759	26,826	26,909
19-Mar	28	24,834	25,664	25,677	25,695	25,759	25,838
20-Mar	28	23,476	24,260	24,272	24,288	24,349	24,423
21-Mar	28	24,780	25,610	25,624	25,642	25,706	25,785
22-Mar	21	24,177	24,992	25,007	25,025	25,088	25,166
23-Mar	24	24,928	25,769	25,785	25,803	25,869	25,950
24-Mar	29	26,249	27,134	27,150	27,169	27,238	27,323
25-Mar	21	24,151	24,965	24,980	24,998	25,062	25,140
26-Mar	26	24,184	24,997	25,011	25,028	25,092	25,169
27-Mar	41	24,728	25,528	25,535	25,547	25,607	25,681
28-Mar	42	25,997	26,832	26,837	26,849	26,910	26,986
29-Mar	29	26,588	27,473	27,487	27,504	27,573	27,656
30-Mar	20	24,040	24,846	24,860	24,877	24,939	25,016
31-Mar	21	24,115	24,930	24,945	24,963	25,027	25,105
1-Apr	23	25,400	25,416	25,435	25,500	25,580	25,586
2-Apr	24	25,716	25,731	25,751	25,816	25,897	25,902
3-Apr	25	24,690	24,704	24,722	24,784	24,861	24,865
4-Apr	21	22,246	22,259	22,274	22,330	22,399	22,403
5-Apr	39	27,294	27,305	27,322	27,388	27,470	27,472
6-Apr	31	27,828	27,843	27,862	27,932	28,018	28,022
7-Apr	19	24,557	24,571	24,588	24,650	24,726	24,730
8-Apr	29	27,178	27,194	27,213	27,282	27,367	27,372
9-Apr	12	22,401	22,415	22,432	22,490	22,561	22,566
10-Apr	22	23,796	23,811	23,828	23,889	23,963	23,968
11-Apr	21	22,112	22,126	22,142	22,198	22,268	22,272
12-Apr	19	22,974	22,988	23,005	23,064	23,136	23,141
13-Apr	7	20,929	20,944	20,961	21,016	21,083	21,088
14-Apr	15	23,044	23,060	23,079	23,139	23,213	23,219

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15-Apr	17	23,568	23,585	23,604	23,666	23,741	23,747
16-Apr	21	24,778	24,794	24,813	24,877	24,956	24,961
17-Apr	21	23,490	23,504	23,521	23,582	23,655	23,660
18-Apr	13	19,944	19,956	19,971	20,022	20,084	20,088
19-Apr	15	21,774	21,788	21,805	21,861	21,930	21,935
20-Apr	5	20,262	20,277	20,294	20,348	20,414	20,420
21-Apr	14	22,710	22,727	22,746	22,806	22,879	22,885
22-Apr	7	20,742	20,758	20,775	20,831	20,898	20,904
23-Apr	15	22,999	23,016	23,035	23,095	23,169	23,175
24-Apr	15	21,667	21,682	21,699	21,756	21,825	21,830
25-Apr	14	20,117	20,130	20,145	20,197	20,261	20,265
26-Apr	10	20,329	20,344	20,360	20,413	20,478	20,483
27-Apr	7	20,786	20,802	20,820	20,875	20,942	20,948
28-Apr	8	21,004	21,020	21,038	21,094	21,163	21,169
29-Apr	13	22,386	22,402	22,421	22,481	22,553	22,559
30-Apr	16	23,279	23,296	23,315	23,376	23,451	23,457
1-May	0	20,049	20,063	20,080	20,132	20,197	20,202
2-May	0	18,952	18,965	18,980	19,030	19,090	19,095
3-May	0	20,240	20,255	20,272	20,325	20,391	20,396
4-May	0	21,590	21,607	21,625	21,682	21,752	21,758
5-May	6	20,471	20,486	20,504	20,559	20,626	20,631
6-May	17	23,515	23,532	23,551	23,613	23,689	23,695
7-May	23	25,257	25,274	25,294	25,360	25,440	25,446
8-May	14	21,548	21,561	21,578	21,633	21,701	21,706
9-May	13	19,899	19,912	19,927	19,978	20,041	20,045
10-May	2	18,540	18,554	18,569	18,618	18,678	18,683
11-May	0	20,706	20,722	20,740	20,796	20,863	20,869
12-May	0	20,652	20,669	20,687	20,743	20,811	20,817
13-May	3	19,760	19,776	19,794	19,847	19,912	19,918
14-May	8	20,941	20,958	20,976	21,032	21,101	21,107
15-May	12	20,728	20,744	20,761	20,817	20,884	20,889
16-May	17	20,867	20,881	20,898	20,952	21,018	21,023
17-May	12	20,889	20,904	20,920	20,975	21,042	21,047
18-May	12	22,231	22,247	22,265	22,323	22,394	22,400
19-May	1	19,860	19,876	19,893	19,945	20,010	20,016
20-May	8	20,968	20,984	21,003	21,059	21,127	21,134
21-May	9	21,212	21,229	21,248	21,305	21,374	21,380
22-May	9	19,942	19,957	19,974	20,027	20,091	20,097
23-May	8	18,329	18,343	18,358	18,407	18,466	18,471
24-May	10	20,222	20,237	20,254	20,308	20,373	20,378
25-May	7	20,733	20,749	20,767	20,822	20,890	20,896
26-May	7	20,724	20,740	20,758	20,813	20,881	20,887
27-May	1	19,771	19,787	19,804	19,857	19,922	19,928
28-May	5	20,083	20,100	20,118	20,172	20,239	20,245
29-May	3	18,347	18,362	18,379	18,429	18,489	18,495
30-May	9	18,520	18,534	18,550	18,599	18,660	18,665
31-May	12	20,737	20,753	20,770	20,825	20,893	20,898
1-Jun	6	20,480	20,495	20,513	20,568	20,634	20,640
2-Jun	7	20,733	20,749	20,767	20,822	20,890	20,896
3-Jun	2	19,757	19,773	19,790	19,843	19,908	19,914
4-Jun	0	19,726	19,743	19,760	19,813	19,879	19,885
5-Jun	0	18,331	18,346	18,363	18,413	18,473	18,479
6-Jun	0	16,975	16,989	17,004	17,050	17,106	17,112
7-Jun	0	18,331	18,346	18,363	18,413	18,473	18,479
8-Jun	0	19,689	19,705	19,723	19,776	19,841	19,847

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9-Jun	0	19,653	19,670	19,688	19,741	19,806	19,812
10-Jun	0	19,632	19,649	19,667	19,720	19,785	19,791
11-Jun	0	19,623	19,640	19,658	19,711	19,776	19,783
12-Jun	0	18,262	18,277	18,294	18,344	18,404	18,410
13-Jun	0	16,938	16,952	16,967	17,013	17,069	17,074
14-Jun	0	18,303	18,318	18,335	18,384	18,445	18,450
15-Jun	9	21,105	21,123	21,142	21,199	21,269	21,276
16-Jun	7	20,634	20,651	20,670	20,725	20,793	20,800
17-Jun	1	19,789	19,805	19,822	19,875	19,940	19,946
18-Jun	5	20,083	20,100	20,118	20,172	20,239	20,245
19-Jun	6	19,004	19,019	19,036	19,087	19,150	19,156
20-Jun	5	17,427	17,441	17,456	17,502	17,559	17,564
21-Jun	0	18,435	18,449	18,465	18,514	18,574	18,579
22-Jun	0	19,679	19,695	19,712	19,766	19,830	19,836
23-Jun	0	19,589	19,606	19,624	19,678	19,743	19,749
24-Jun	0	19,589	19,606	19,624	19,678	19,743	19,749
25-Jun	0	19,589	19,606	19,624	19,678	19,743	19,749
26-Jun	0	18,259	18,274	18,290	18,340	18,400	18,406
27-Jun	0	16,899	16,913	16,928	16,974	17,030	17,035
28-Jun	0	18,223	18,238	18,255	18,305	18,365	18,371
29-Jun	0	19,559	19,576	19,594	19,648	19,713	19,719
30-Jun	0	19,568	19,585	19,603	19,656	19,722	19,728
1-Jul	0	19,577	19,594	19,612	19,665	19,730	19,737
2-Jul	0	19,577	19,594	19,612	19,665	19,730	19,737
3-Jul	0	18,241	18,256	18,273	18,322	18,383	18,388
4-Jul	0	16,896	16,909	16,925	16,970	17,026	17,031
5-Jul	0	18,214	18,229	18,246	18,296	18,356	18,362
6-Jul	1	19,512	19,530	19,549	19,602	19,668	19,675
7-Jul	2	19,587	19,604	19,623	19,676	19,742	19,748
8-Jul	0	19,727	19,743	19,760	19,813	19,877	19,883
9-Jul	0	19,643	19,659	19,677	19,730	19,795	19,801
10-Jul	0	18,194	18,210	18,227	18,276	18,337	18,343
11-Jul	0	16,833	16,847	16,863	16,909	16,965	16,970
12-Jul	0	18,187	18,203	18,220	18,269	18,330	18,336
13-Jul	0	19,561	19,578	19,596	19,649	19,714	19,721
14-Jul	0	19,566	19,583	19,601	19,654	19,719	19,726
15-Jul	0	19,548	19,565	19,583	19,637	19,702	19,708
16-Jul	0	19,545	19,562	19,580	19,633	19,698	19,705
17-Jul	0	18,200	18,215	18,232	18,281	18,342	18,348
18-Jul	0	16,846	16,860	16,875	16,921	16,977	16,982
19-Jul	0	18,164	18,180	18,197	18,246	18,307	18,313
20-Jul	0	19,500	19,517	19,536	19,589	19,654	19,661
21-Jul	0	19,524	19,540	19,559	19,612	19,677	19,684
22-Jul	0	19,518	19,535	19,553	19,607	19,672	19,678
23-Jul	0	19,513	19,530	19,548	19,602	19,667	19,673
24-Jul	0	18,189	18,205	18,221	18,271	18,332	18,337
25-Jul	0	16,856	16,870	16,886	16,932	16,987	16,993
26-Jul	0	18,192	18,208	18,225	18,275	18,335	18,341
27-Jul	0	19,548	19,565	19,583	19,637	19,702	19,708
28-Jul	0	19,548	19,565	19,583	19,637	19,702	19,708
29-Jul	0	19,539	19,556	19,575	19,628	19,693	19,700
30-Jul	0	19,539	19,556	19,575	19,628	19,693	19,700
31-Jul	0	18,192	18,208	18,225	18,275	18,335	18,341
1-Aug	0	16,871	16,885	16,900	16,946	17,001	17,007
2-Aug	0	18,209	18,224	18,241	18,290	18,351	18,356

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3-Aug	0	19,524	19,540	19,559	19,612	19,677	19,684
4-Aug	0	19,515	19,532	19,550	19,603	19,668	19,675
5-Aug	0	19,509	19,526	19,545	19,598	19,663	19,670
6-Aug	0	19,507	19,524	19,543	19,596	19,662	19,668
7-Aug	0	18,192	18,208	18,225	18,275	18,335	18,341
8-Aug	0	16,874	16,888	16,904	16,949	17,005	17,010
9-Aug	0	18,207	18,222	18,239	18,289	18,349	18,355
10-Aug	0	19,539	19,556	19,575	19,628	19,693	19,700
11-Aug	0	19,539	19,556	19,575	19,628	19,693	19,700
12-Aug	0	19,529	19,546	19,564	19,618	19,683	19,689
13-Aug	0	19,552	19,569	19,587	19,640	19,705	19,712
14-Aug	0	18,219	18,235	18,251	18,301	18,361	18,367
15-Aug	0	16,863	16,878	16,893	16,939	16,995	17,000
16-Aug	0	18,219	18,235	18,251	18,301	18,361	18,367
17-Aug	0	19,561	19,578	19,596	19,649	19,714	19,721
18-Aug	1	19,503	19,521	19,540	19,594	19,659	19,666
19-Aug	0	19,621	19,638	19,656	19,709	19,774	19,780
20-Aug	0	19,639	19,656	19,674	19,727	19,792	19,798
21-Aug	1	18,197	18,213	18,231	18,281	18,342	18,348
22-Aug	0	16,956	16,970	16,985	17,030	17,086	17,091
23-Aug	0	18,292	18,307	18,324	18,373	18,434	18,439
24-Aug	0	19,580	19,597	19,615	19,669	19,734	19,740
25-Aug	0	19,589	19,606	19,624	19,678	19,743	19,749
26-Aug	0	19,595	19,611	19,629	19,683	19,748	19,754
27-Aug	0	19,591	19,608	19,626	19,679	19,744	19,751
28-Aug	0	18,237	18,252	18,269	18,319	18,379	18,385
29-Aug	0	16,867	16,881	16,897	16,942	16,998	17,004
30-Aug	0	18,212	18,228	18,245	18,294	18,355	18,361
31-Aug	0	19,580	19,597	19,615	19,669	19,734	19,740
1-Sep	0	19,584	19,601	19,619	19,672	19,738	19,744
2-Sep	0	19,593	19,610	19,628	19,681	19,746	19,753
3-Sep	0	19,602	19,618	19,637	19,690	19,755	19,761
4-Sep	0	18,260	18,275	18,292	18,342	18,402	18,408
5-Sep	0	16,913	16,927	16,943	16,988	17,044	17,050
6-Sep	0	18,264	18,279	18,296	18,345	18,406	18,412
7-Sep	0	19,614	19,631	19,649	19,702	19,768	19,774
8-Sep	0	19,609	19,625	19,644	19,697	19,762	19,769
9-Sep	0	19,618	19,634	19,653	19,706	19,771	19,778
10-Sep	3	19,599	19,617	19,635	19,689	19,754	19,761
11-Sep	3	18,302	18,318	18,335	18,385	18,445	18,451
12-Sep	0	17,027	17,041	17,056	17,101	17,157	17,162
13-Sep	0	18,339	18,353	18,370	18,419	18,480	18,485
14-Sep	0	19,635	19,652	19,670	19,724	19,789	19,795
15-Sep	1	19,610	19,627	19,646	19,699	19,765	19,771
16-Sep	3	19,626	19,643	19,662	19,715	19,781	19,787
17-Sep	0	19,682	19,698	19,716	19,769	19,835	19,841
18-Sep	0	18,340	18,355	18,372	18,421	18,482	18,488
19-Sep	2	16,975	16,989	17,004	17,050	17,106	17,112
20-Sep	7	19,257	19,273	19,290	19,342	19,405	19,411
21-Sep	5	20,092	20,109	20,127	20,181	20,247	20,254
22-Sep	0	19,753	19,769	19,787	19,840	19,905	19,911
23-Sep	6	20,345	20,362	20,381	20,436	20,503	20,509
24-Sep	12	22,034	22,051	22,071	22,130	22,202	22,208
25-Sep	1	18,465	18,479	18,495	18,544	18,605	18,610
26-Sep	0	17,068	17,081	17,096	17,142	17,198	17,203

Date	RI HDDd	RI FIRM_CE + Non-Firm 2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
27-Sep	1	18,340	18,355	18,372	18,421	18,482	18,488
28-Sep	5	20,048	20,064	20,083	20,137	20,204	20,210
29-Sep	8	20,905	20,922	20,941	20,997	21,066	21,072
30-Sep	13	22,368	22,385	22,404	22,463	22,536	22,542
1-Oct	0	20,759	20,775	20,793	20,848	20,916	20,922
2-Oct	7	19,409	19,423	19,440	19,491	19,554	19,560
3-Oct	9	18,574	18,587	18,603	18,652	18,712	18,717
4-Oct	1	18,447	18,462	18,478	18,527	18,587	18,592
5-Oct	3	19,724	19,741	19,759	19,812	19,877	19,883
6-Oct	0	20,888	20,905	20,923	20,980	21,049	21,055
7-Oct	2	19,739	19,755	19,773	19,826	19,891	19,897
8-Oct	0	21,221	21,238	21,256	21,313	21,383	21,389
9-Oct	14	21,288	21,304	21,322	21,378	21,447	21,453
10-Oct	23	22,574	22,588	22,605	22,663	22,734	22,739
11-Oct	19	22,921	22,935	22,952	23,011	23,083	23,088
12-Oct	16	23,467	23,482	23,500	23,561	23,635	23,640
13-Oct	9	21,445	21,460	21,477	21,533	21,602	21,607
14-Oct	6	20,515	20,531	20,548	20,603	20,669	20,675
15-Oct	5	20,146	20,162	20,180	20,234	20,300	20,306
16-Oct	15	21,568	21,584	21,602	21,659	21,729	21,734
17-Oct	20	21,707	21,721	21,738	21,794	21,863	21,868
18-Oct	19	22,903	22,917	22,935	22,994	23,066	23,071
19-Oct	13	22,600	22,615	22,633	22,692	22,764	22,769
20-Oct	9	21,418	21,433	21,451	21,507	21,576	21,581
21-Oct	12	22,168	22,184	22,203	22,261	22,333	22,339
22-Oct	21	24,679	24,696	24,716	24,780	24,859	24,865
23-Oct	23	24,005	24,020	24,038	24,099	24,175	24,180
24-Oct	23	22,762	22,774	22,790	22,848	22,919	22,923
25-Oct	22	23,841	23,855	23,872	23,933	24,007	24,012
26-Oct	15	23,214	23,229	23,246	23,306	23,380	23,385
27-Oct	16	23,422	23,438	23,456	23,517	23,591	23,597
28-Oct	16	23,369	23,385	23,403	23,464	23,539	23,544
29-Oct	14	22,818	22,833	22,852	22,911	22,984	22,990
30-Oct	7	19,498	19,512	19,528	19,579	19,642	19,647
31-Oct	2	17,145	17,158	17,172	17,217	17,273	17,278
Nov	697	708,517	732,330	732,740	733,257	735,110	737,382
Dec	1,040	799,870	826,145	826,461	826,934	828,928	831,380
Jan	1,250	818,428	844,717	844,897	845,272	847,217	849,615
Feb	1,091	743,417	767,472	767,677	768,050	769,845	772,056
Mar	942	782,867	808,757	809,109	809,603	811,582	814,015
Apr	518	690,001	690,446	690,975	692,759	694,943	695,093
May	228	636,286	636,760	637,296	638,983	641,045	641,216
Jun	48	573,864	574,337	574,856	576,407	578,303	578,481
Jul	3	583,278	583,778	584,318	585,907	587,847	588,038
Aug	2	580,891	581,387	581,925	583,507	585,439	585,628
Sep	70	576,868	577,347	577,869	579,430	581,337	581,517
Oct	361	668,235	668,703	669,244	670,996	673,140	673,305
Total	6,250	8,162,521	8,292,177	8,297,366	8,311,105	8,334,735	8,347,726

Date	RI HDDd	RI TSO 2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
1-Nov	16	103,936	105,113	105,613	106,333	107,088	108,271
2-Nov	9	73,927	75,052	75,367	75,818	76,308	77,068
3-Nov	14	104,241	105,483	105,975	106,685	107,431	108,601
4-Nov	13	97,903	99,121	99,576	100,232	100,925	102,009
5-Nov	20	137,682	139,058	139,745	140,740	141,769	143,390
6-Nov	19	131,203	132,477	133,135	134,089	135,074	136,628
7-Nov	16	113,882	115,011	115,577	116,398	117,247	118,586
8-Nov	14	105,016	106,184	106,689	107,420	108,184	109,384
9-Nov	20	139,058	140,438	141,132	142,139	143,180	144,820
10-Nov	15	113,788	115,064	115,612	116,403	117,231	118,530
11-Nov	15	114,246	115,524	116,074	116,870	117,701	119,006
12-Nov	14	106,533	107,783	108,288	109,017	109,783	110,984
13-Nov	20	134,790	136,080	136,759	137,744	138,759	140,361
14-Nov	19	127,852	129,039	129,686	130,626	131,594	133,121
15-Nov	24	161,058	162,449	163,280	164,489	165,727	167,684
16-Nov	27	182,963	184,513	185,463	186,845	188,257	190,491
17-Nov	19	143,266	144,652	145,371	146,414	147,491	149,189
18-Nov	28	189,760	191,335	192,325	193,765	195,234	197,560
19-Nov	30	201,060	202,680	203,736	205,272	206,837	209,316
20-Nov	31	207,714	209,283	210,386	211,994	213,626	216,214
21-Nov	31	205,280	206,765	207,863	209,464	211,087	213,661
22-Nov	37	241,773	243,465	244,767	246,667	248,588	251,639
23-Nov	41	268,114	269,904	271,356	273,478	275,619	279,023
24-Nov	43	282,589	284,394	285,933	288,184	290,452	294,059
25-Nov	45	295,231	297,044	298,659	301,024	303,403	307,189
26-Nov	27	203,596	205,206	206,276	207,835	209,422	211,938
27-Nov	17	138,243	139,525	140,224	141,240	142,285	143,936
28-Nov	20	137,858	139,080	139,785	140,811	141,863	143,526
29-Nov	24	160,141	161,529	162,355	163,556	164,786	166,731
30-Nov	29	194,263	195,858	196,874	198,352	199,860	202,247
1-Dec	20	149,603	151,014	151,770	152,867	153,998	155,782
2-Dec	28	191,135	192,715	193,713	195,164	196,645	198,990
3-Dec	29	196,097	197,697	198,724	200,218	201,741	204,153
4-Dec	34	223,518	225,151	226,346	228,089	229,854	232,656
5-Dec	25	173,673	175,029	175,943	177,275	178,630	180,778
6-Dec	39	250,288	251,976	253,331	255,309	257,306	260,480
7-Dec	28	198,013	199,612	200,650	202,161	203,701	206,139
8-Dec	19	150,602	152,009	152,771	153,877	155,016	156,815
9-Dec	29	195,639	197,237	198,262	199,752	201,271	203,676
10-Dec	23	163,573	165,042	165,880	167,096	168,344	170,317
11-Dec	20	145,335	146,656	147,396	148,472	149,577	151,322
12-Dec	27	175,344	176,718	177,642	178,987	180,356	182,525
13-Dec	27	180,988	182,455	183,403	184,782	186,188	188,415
14-Dec	41	261,695	263,466	264,881	266,948	269,034	272,351
15-Dec	45	287,894	289,687	291,259	293,561	295,877	299,564
16-Dec	39	266,477	268,290	269,730	271,832	273,956	277,331
17-Dec	32	228,866	230,579	231,796	233,571	235,372	238,228
18-Dec	41	265,680	267,386	268,833	270,948	273,080	276,470
19-Dec	32	216,203	217,725	218,887	220,582	222,297	225,020
20-Dec	49	306,883	308,629	310,324	312,809	315,301	319,273
21-Dec	51	324,842	326,714	328,506	331,132	333,767	337,966
22-Dec	32	236,202	237,936	239,196	241,034	242,897	245,854
23-Dec	21	168,779	170,251	171,119	172,381	173,674	175,719
24-Dec	27	187,549	189,111	190,088	191,510	192,961	195,257
25-Dec	41	255,134	256,810	258,195	260,220	262,262	265,508

Date	RI HDDd	RI TSO 2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
26-Dec	42	265,440	267,055	268,510	270,640	272,782	276,192
27-Dec	51	322,449	324,258	326,043	328,660	331,284	335,466
28-Dec	51	330,588	332,487	334,311	336,985	339,668	343,944
29-Dec	32	237,119	238,856	240,121	241,967	243,838	246,807
30-Dec	35	244,670	246,447	247,756	249,666	251,600	254,670
31-Dec	30	210,230	211,877	212,986	214,601	216,244	218,848
1-Jan	61	367,720	369,693	371,744	374,750	377,759	382,556
2-Jan	38	256,206	257,848	259,244	261,285	263,342	266,613
3-Jan	23	183,147	184,596	185,556	186,956	188,381	190,640
4-Jan	28	196,637	198,233	199,262	200,762	202,289	204,709
5-Jan	19	143,266	144,652	145,371	146,414	147,491	149,189
6-Jan	28	190,218	191,795	192,788	194,231	195,705	198,037
7-Jan	38	243,650	245,410	246,716	248,620	250,549	253,609
8-Jan	41	267,197	268,984	270,431	272,545	274,678	278,070
9-Jan	41	265,539	267,167	268,622	270,750	272,892	276,299
10-Jan	30	213,298	214,876	216,012	217,668	219,348	222,013
11-Jan	43	279,380	281,175	282,695	284,919	287,159	290,723
12-Jan	50	315,623	317,457	319,195	321,743	324,300	328,376
13-Jan	41	279,577	281,400	282,919	285,139	287,378	290,938
14-Jan	46	303,385	305,209	306,873	309,310	311,759	315,661
15-Jan	43	282,906	284,635	286,184	288,453	290,734	294,365
16-Jan	30	212,698	214,198	215,339	217,004	218,690	221,366
17-Jan	40	261,652	263,360	264,782	266,860	268,956	272,287
18-Jan	55	341,131	343,060	344,948	347,714	350,488	354,910
19-Jan	68	430,290	432,573	434,980	438,507	442,034	447,660
20-Jan	54	361,119	363,146	365,147	368,079	371,019	375,704
21-Jan	44	307,709	309,572	311,258	313,728	316,211	320,164
22-Jan	34	242,317	244,004	245,309	247,213	249,138	252,196
23-Jan	32	218,496	220,025	221,200	222,914	224,649	227,402
24-Jan	44	278,223	279,924	281,448	283,678	285,921	289,492
25-Jan	24	181,832	183,360	184,304	185,677	187,080	189,301
26-Jan	41	268,114	269,904	271,356	273,478	275,619	279,023
27-Jan	46	291,464	293,253	294,848	297,182	299,531	303,269
28-Jan	32	230,242	231,958	233,184	234,970	236,783	239,658
29-Jan	46	293,615	295,333	296,949	299,317	301,694	305,482
30-Jan	47	295,149	296,797	298,431	300,827	303,228	307,056
31-Jan	43	285,657	287,394	288,959	291,251	293,556	297,225
1-Feb	17	150,306	151,700	152,460	153,565	154,702	156,498
2-Feb	28	196,179	197,773	198,800	200,295	201,819	204,233
3-Feb	45	277,349	279,111	280,622	282,833	285,059	288,602
4-Feb	45	290,187	291,986	293,572	295,893	298,229	301,947
5-Feb	56	352,746	354,672	356,634	359,510	362,389	366,981
6-Feb	56	354,662	356,545	358,525	361,428	364,332	368,963
7-Feb	57	368,669	370,664	372,718	375,728	378,741	383,545
8-Feb	42	293,692	295,542	297,144	299,489	301,849	305,605
9-Feb	44	297,163	298,996	300,621	303,000	305,393	309,203
10-Feb	39	266,477	268,290	269,730	271,832	273,956	277,331
11-Feb	42	279,937	281,747	283,269	285,495	287,739	291,307
12-Feb	37	250,485	252,201	253,555	255,529	257,525	260,695
13-Feb	43	275,429	277,058	278,573	280,792	283,021	286,570
14-Feb	45	289,587	291,307	292,898	295,229	297,571	301,300
15-Feb	32	230,700	232,418	233,646	235,437	237,253	240,135
16-Feb	33	231,077	232,803	234,033	235,826	237,646	240,531
17-Feb	35	236,417	238,170	239,431	241,270	243,134	246,091
18-Feb	31	216,109	217,779	218,922	220,588	222,280	224,963

Date	RI HDDd	RI TSO 2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
19-Feb	37	243,607	245,304	246,617	248,533	250,470	253,546
20-Feb	22	159,703	161,001	161,834	163,046	164,284	166,243
21-Feb	39	250,288	251,976	253,331	255,309	257,306	260,480
22-Feb	43	274,795	276,577	278,070	280,254	282,456	285,957
23-Feb	22	173,742	175,234	176,130	177,435	178,770	180,882
24-Feb	35	236,417	238,170	239,431	241,270	243,134	246,091
25-Feb	43	272,961	274,737	276,220	278,389	280,574	284,051
26-Feb	43	278,780	280,496	282,022	284,255	286,501	290,076
27-Feb	41	268,748	270,386	271,859	274,016	276,184	279,635
28-Feb	39	261,751	263,472	264,894	266,970	269,065	272,395
1-Mar	47	303,287	305,096	306,761	309,200	311,650	315,553
2-Mar	32	229,783	231,498	232,721	234,504	236,312	239,181
3-Mar	43	283,048	284,854	286,395	288,650	290,922	294,536
4-Mar	42	276,269	278,069	279,569	281,764	283,976	287,494
5-Mar	27	198,411	199,928	200,977	202,507	204,061	206,525
6-Mar	36	236,052	237,656	238,933	240,797	242,680	245,671
7-Mar	32	215,428	217,025	218,173	219,847	221,544	224,237
8-Mar	41	268,114	269,904	271,356	273,478	275,619	279,023
9-Mar	45	290,187	291,986	293,572	295,893	298,229	301,947
10-Mar	46	301,093	302,910	304,560	306,978	309,408	313,278
11-Mar	21	172,447	173,930	174,819	176,113	177,437	179,531
12-Mar	16	130,530	131,784	132,437	133,387	134,367	135,913
13-Mar	22	145,489	146,746	147,496	148,587	149,703	151,469
14-Mar	20	138,916	140,219	140,921	141,942	142,992	144,650
15-Mar	25	171,663	173,168	174,053	175,338	176,655	178,736
16-Mar	27	183,880	185,433	186,388	187,778	189,198	191,445
17-Mar	35	230,456	232,192	233,419	235,206	237,020	239,895
18-Mar	27	191,675	193,250	194,251	195,708	197,194	199,547
19-Mar	28	193,286	194,795	195,814	197,299	198,809	201,203
20-Mar	28	186,267	187,678	188,666	190,105	191,566	193,884
21-Mar	28	190,535	192,036	193,039	194,500	195,987	198,343
22-Mar	21	156,400	157,836	158,631	159,787	160,975	162,851
23-Mar	24	169,452	170,945	171,816	173,083	174,381	176,433
24-Mar	29	194,722	196,318	197,337	198,819	200,330	202,723
25-Mar	21	155,024	156,456	157,244	158,388	159,564	161,421
26-Mar	26	176,943	178,392	179,316	180,661	182,033	184,205
27-Mar	41	250,866	252,452	253,822	255,824	257,841	261,048
28-Mar	42	268,791	270,492	271,959	274,103	276,263	279,698
29-Mar	29	212,145	213,791	214,912	216,544	218,203	220,834
30-Mar	20	157,856	159,291	160,095	161,263	162,464	164,360
31-Mar	21	153,190	154,617	155,394	156,522	157,682	159,515
1-Apr	23	160,904	161,717	162,898	164,111	166,028	166,411
2-Apr	24	168,186	169,041	170,284	171,559	173,573	173,977
3-Apr	25	171,570	172,454	173,741	175,056	177,136	177,555
4-Apr	21	146,822	147,572	148,664	149,781	151,549	151,904
5-Apr	39	245,999	247,319	249,246	251,192	254,284	254,913
6-Apr	31	214,100	215,222	216,856	218,518	221,151	221,683
7-Apr	19	153,388	154,158	155,277	156,427	158,244	158,607
8-Apr	29	198,617	199,649	201,151	202,682	205,106	205,595
9-Apr	12	105,174	105,664	106,373	107,117	108,284	108,512
10-Apr	22	152,483	153,257	154,382	155,535	157,358	157,724
11-Apr	21	139,924	140,635	141,667	142,726	144,400	144,736
12-Apr	19	137,075	137,760	138,753	139,777	141,393	141,716
13-Apr	7	75,860	76,181	76,641	77,139	77,913	78,060
14-Apr	15	111,386	111,912	112,672	113,468	114,717	114,962

Date	RI HDDd	RI TSO 2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
15-Apr	17	120,431	121,010	121,847	122,719	124,089	124,360
16-Apr	21	146,800	147,531	148,592	149,687	151,413	151,757
17-Apr	21	145,661	146,395	147,462	148,558	150,289	150,636
18-Apr	13	100,063	100,542	101,236	101,960	103,098	103,322
19-Apr	15	111,167	111,701	112,474	113,280	114,547	114,797
20-Apr	5	69,767	70,058	70,474	70,927	71,629	71,761
21-Apr	14	103,184	103,663	104,353	105,080	106,218	106,441
22-Apr	7	66,204	66,469	66,846	67,262	67,905	68,025
23-Apr	15	109,087	109,599	110,340	111,116	112,334	112,573
24-Apr	15	105,649	106,151	106,877	107,636	108,828	109,062
25-Apr	14	99,987	100,466	101,159	101,882	103,018	103,242
26-Apr	10	81,655	82,018	82,540	83,097	83,967	84,135
27-Apr	7	68,503	68,781	69,178	69,614	70,288	70,414
28-Apr	8	69,150	69,431	69,832	70,272	70,952	71,080
29-Apr	13	95,443	95,876	96,500	97,162	98,196	98,397
30-Apr	16	114,529	115,073	115,860	116,682	117,974	118,228
1-May	0	76,212	76,544	77,020	77,531	78,328	78,480
2-May	0	75,918	76,257	76,745	77,265	78,078	78,235
3-May	0	77,057	77,393	77,876	78,394	79,201	79,356
4-May	0	81,414	81,766	82,272	82,815	83,661	83,822
5-May	6	66,358	66,626	67,009	67,430	68,080	68,202
6-May	17	117,672	118,235	119,048	119,897	121,230	121,493
7-May	23	153,546	154,317	155,435	156,586	158,402	158,765
8-May	14	108,483	109,002	109,753	110,536	111,767	112,009
9-May	13	97,764	98,229	98,904	99,608	100,715	100,933
10-May	2	65,625	65,904	66,303	66,735	67,407	67,535
11-May	0	64,364	64,619	64,980	65,381	65,999	66,113
12-May	0	61,605	61,844	62,181	62,559	63,139	63,246
13-May	3	63,344	63,600	63,964	64,366	64,985	65,101
14-May	8	65,931	66,193	66,566	66,979	67,616	67,735
15-May	12	84,263	84,641	85,185	85,764	86,667	86,842
16-May	17	111,717	112,263	113,056	113,877	115,170	115,427
17-May	12	92,540	92,966	93,581	94,230	95,246	95,444
18-May	12	96,438	96,877	97,510	98,180	99,229	99,432
19-May	1	68,344	68,629	69,037	69,481	70,169	70,299
20-May	8	67,310	67,581	67,966	68,390	69,046	69,168
21-May	9	70,913	71,205	71,620	72,075	72,779	72,911
22-May	9	70,694	70,994	71,423	71,887	72,609	72,746
23-May	8	61,814	62,071	62,440	62,841	63,463	63,580
24-May	10	76,137	76,468	76,943	77,453	78,248	78,400
25-May	7	65,744	66,006	66,379	66,792	67,428	67,547
26-May	7	65,284	65,544	65,913	66,322	66,952	67,069
27-May	1	63,746	64,004	64,373	64,778	65,403	65,521
28-May	5	60,571	60,808	61,145	61,520	62,097	62,204
29-May	3	55,768	55,989	56,304	56,652	57,189	57,290
30-May	9	62,658	62,920	63,296	63,704	64,336	64,456
31-May	12	84,723	85,104	85,651	86,234	87,144	87,320
1-Jun	6	66,818	67,089	67,476	67,900	68,557	68,680
2-Jun	7	65,744	66,006	66,379	66,792	67,428	67,547
3-Jun	2	63,085	63,340	63,702	64,101	64,718	64,833
4-Jun	0	61,447	61,692	62,040	62,426	63,020	63,131
5-Jun	0	54,790	55,006	55,313	55,653	56,178	56,275
6-Jun	0	50,232	50,430	50,713	51,026	51,509	51,599
7-Jun	0	54,790	55,006	55,313	55,653	56,178	56,275
8-Jun	0	59,290	59,523	59,854	60,222	60,788	60,893

Date	RI HDDd	RI TSO 2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
9-Jun	0	57,451	57,673	57,988	58,341	58,882	58,982
10-Jun	0	56,272	56,488	56,793	57,136	57,661	57,758
11-Jun	0	55,813	56,025	56,327	56,665	57,184	57,280
12-Jun	0	51,053	51,248	51,523	51,832	52,307	52,394
13-Jun	0	48,075	48,262	48,527	48,822	49,277	49,361
14-Jun	0	53,093	53,300	53,593	53,920	54,422	54,515
15-Jun	9	65,395	65,655	66,023	66,431	67,060	67,177
16-Jun	7	60,686	60,919	61,248	61,618	62,186	62,290
17-Jun	1	64,665	64,929	65,305	65,718	66,356	66,476
18-Jun	5	60,571	60,808	61,145	61,520	62,097	62,204
19-Jun	6	56,023	56,241	56,550	56,895	57,425	57,523
20-Jun	5	54,155	54,374	54,686	55,030	55,560	55,660
21-Jun	0	59,674	59,919	60,269	60,652	61,245	61,357
22-Jun	0	58,513	58,742	59,067	59,429	59,986	60,089
23-Jun	0	53,915	54,117	54,403	54,726	55,220	55,310
24-Jun	0	53,915	54,117	54,403	54,726	55,220	55,310
25-Jun	0	53,915	54,117	54,403	54,726	55,220	55,310
26-Jun	0	50,419	50,611	50,882	51,187	51,655	51,741
27-Jun	0	45,602	45,775	46,020	46,296	46,718	46,797
28-Jun	0	48,580	48,761	49,016	49,306	49,748	49,830
29-Jun	0	52,277	52,469	52,741	53,050	53,522	53,608
30-Jun	0	52,737	52,932	53,208	53,521	53,999	54,086
1-Jul	0	53,196	53,394	53,674	53,991	54,476	54,564
2-Jul	0	53,196	53,394	53,674	53,991	54,476	54,564
3-Jul	0	49,500	49,686	49,949	50,246	50,702	50,785
4-Jul	0	45,343	45,514	45,757	46,031	46,451	46,529
5-Jul	0	48,120	48,298	48,550	48,835	49,272	49,352
6-Jul	1	50,411	50,592	50,846	51,138	51,582	51,662
7-Jul	2	54,348	54,552	54,840	55,165	55,662	55,754
8-Jul	0	60,696	60,938	61,283	61,664	62,252	62,361
9-Jul	0	56,299	56,515	56,823	57,167	57,695	57,792
10-Jul	0	46,883	47,055	47,296	47,572	47,993	48,069
11-Jul	0	42,124	42,277	42,492	42,739	43,115	43,184
12-Jul	0	46,741	46,911	47,150	47,424	47,842	47,918
13-Jul	0	52,219	52,411	52,683	52,992	53,464	53,550
14-Jul	0	52,420	52,613	52,887	53,198	53,673	53,760
15-Jul	0	51,500	51,688	51,954	52,257	52,720	52,804
16-Jul	0	51,241	51,428	51,692	51,993	52,452	52,536
17-Jul	0	47,084	47,257	47,500	47,778	48,202	48,279
18-Jul	0	42,468	42,623	42,842	43,093	43,475	43,545
19-Jul	0	45,245	45,407	45,635	45,897	46,295	46,368
20-Jul	0	48,942	49,116	49,360	49,641	50,069	50,147
21-Jul	0	50,062	50,243	50,497	50,788	51,232	51,312
22-Jul	0	49,861	50,041	50,292	50,582	51,023	51,102
23-Jul	0	49,661	49,838	50,088	50,376	50,814	50,893
24-Jul	0	46,683	46,852	47,092	47,366	47,784	47,860
25-Jul	0	43,245	43,404	43,629	43,886	44,277	44,349
26-Jul	0	46,942	47,113	47,354	47,630	48,051	48,128
27-Jul	0	51,500	51,688	51,954	52,257	52,720	52,804
28-Jul	0	51,500	51,688	51,954	52,257	52,720	52,804
29-Jul	0	51,040	51,226	51,488	51,787	52,243	52,326
30-Jul	0	51,040	51,226	51,488	51,787	52,243	52,326
31-Jul	0	46,942	47,113	47,354	47,630	48,051	48,128
1-Aug	0	43,905	44,069	44,300	44,562	44,963	45,037
2-Aug	0	47,544	47,719	47,967	48,248	48,678	48,757

Date	RI HDDd	RI TSO 2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
3-Aug	0	50,062	50,243	50,497	50,788	51,232	51,312
4-Aug	0	49,602	49,780	50,030	50,318	50,755	50,834
5-Aug	0	49,402	49,578	49,826	50,112	50,546	50,624
6-Aug	0	49,460	49,636	49,884	50,170	50,604	50,683
7-Aug	0	46,942	47,113	47,354	47,630	48,051	48,128
8-Aug	0	44,164	44,329	44,562	44,826	45,230	45,305
9-Aug	0	47,602	47,777	48,025	48,307	48,737	48,815
10-Aug	0	51,040	51,226	51,488	51,787	52,243	52,326
11-Aug	0	51,040	51,226	51,488	51,787	52,243	52,326
12-Aug	0	50,638	50,822	51,079	51,375	51,825	51,907
13-Aug	0	51,759	51,949	52,216	52,522	52,987	53,072
14-Aug	0	48,321	48,500	48,754	49,041	49,481	49,561
15-Aug	0	43,763	43,925	44,154	44,414	44,812	44,885
16-Aug	0	48,321	48,500	48,754	49,041	49,481	49,561
17-Aug	0	52,219	52,411	52,683	52,992	53,464	53,550
18-Aug	1	49,951	50,129	50,379	50,668	51,106	51,185
19-Aug	0	55,495	55,707	56,006	56,343	56,859	56,954
20-Aug	0	56,415	56,632	56,939	57,283	57,812	57,909
21-Aug	1	47,893	48,068	48,316	48,598	49,029	49,107
22-Aug	0	48,620	48,810	49,081	49,382	49,845	49,932
23-Aug	0	52,317	52,519	52,806	53,127	53,619	53,711
24-Aug	0	53,455	53,655	53,936	54,255	54,743	54,832
25-Aug	0	53,915	54,117	54,403	54,726	55,220	55,310
26-Aug	0	54,116	54,319	54,607	54,932	55,429	55,520
27-Aug	0	53,857	54,059	54,345	54,667	55,161	55,252
28-Aug	0	49,241	49,425	49,687	49,982	50,434	50,517
29-Aug	0	44,022	44,185	44,416	44,679	45,080	45,153
30-Aug	0	48,178	48,356	48,608	48,894	49,330	49,410
31-Aug	0	53,455	53,655	53,936	54,255	54,743	54,832
1-Sep	0	53,714	53,915	54,199	54,520	55,011	55,100
2-Sep	0	54,174	54,378	54,665	54,990	55,487	55,578
3-Sep	0	54,634	54,840	55,132	55,460	55,964	56,056
4-Sep	0	50,736	50,929	51,202	51,510	51,981	52,068
5-Sep	0	46,638	46,816	47,069	47,353	47,788	47,869
6-Sep	0	50,995	51,189	51,465	51,774	52,248	52,336
7-Sep	0	55,353	55,563	55,860	56,195	56,708	56,802
8-Sep	0	55,152	55,361	55,656	55,989	56,499	56,592
9-Sep	0	55,612	55,823	56,123	56,459	56,975	57,070
10-Sep	3	55,067	55,275	55,568	55,900	56,407	56,500
11-Sep	3	53,469	53,677	53,971	54,301	54,806	54,900
12-Sep	0	52,674	52,887	53,191	53,526	54,043	54,140
13-Sep	0	54,933	55,150	55,459	55,801	56,328	56,427
14-Sep	0	56,531	56,748	57,055	57,400	57,929	58,026
15-Sep	1	55,469	55,679	55,977	56,312	56,825	56,919
16-Sep	3	56,447	56,662	56,968	57,311	57,836	57,933
17-Sep	0	59,147	59,379	59,708	60,074	60,637	60,742
18-Sep	0	55,250	55,468	55,779	56,124	56,654	56,753
19-Sep	2	50,232	50,430	50,713	51,026	51,509	51,599
20-Sep	7	54,949	55,158	55,454	55,786	56,296	56,390
21-Sep	5	61,031	61,271	61,612	61,990	62,573	62,682
22-Sep	0	62,826	63,079	63,440	63,837	64,450	64,565
23-Sep	6	59,920	60,151	60,479	60,845	61,408	61,512
24-Sep	12	86,321	86,702	87,248	87,833	88,744	88,919
25-Sep	1	61,687	61,943	62,309	62,708	63,327	63,444
26-Sep	0	55,089	55,316	55,640	55,994	56,542	56,646

Date	RI HDDd	RI TSO 2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
27-Sep	1	55,250	55,468	55,779	56,124	56,654	56,753
28-Sep	5	58,732	58,958	59,279	59,639	60,191	60,292
29-Sep	8	64,091	64,343	64,701	65,098	65,710	65,823
30-Sep	13	94,523	94,951	95,567	96,221	97,243	97,441
1-Oct	0	67,123	67,393	67,779	68,203	68,858	68,980
2-Oct	7	62,766	63,020	63,383	63,782	64,398	64,514
3-Oct	9	65,417	65,695	66,094	66,526	67,196	67,323
4-Oct	1	60,768	61,018	61,376	61,768	62,373	62,488
5-Oct	3	61,505	61,750	62,099	62,484	63,079	63,190
6-Oct	0	63,172	63,418	63,768	64,157	64,757	64,867
7-Oct	2	62,165	62,415	62,769	63,161	63,764	63,877
8-Oct	0	71,373	71,667	72,087	72,546	73,256	73,389
9-Oct	14	95,148	95,589	96,226	96,896	97,946	98,151
10-Oct	23	145,751	146,495	147,577	148,685	150,436	150,788
11-Oct	19	134,316	134,985	135,955	136,955	138,534	138,849
12-Oct	16	124,186	124,786	125,655	126,559	127,982	128,263
13-Oct	9	82,869	83,230	83,748	84,304	85,170	85,336
14-Oct	6	68,657	68,939	69,341	69,782	70,463	70,591
15-Oct	5	63,790	64,046	64,410	64,812	65,433	65,549
16-Oct	15	100,591	101,063	101,746	102,462	103,585	103,806
17-Oct	20	128,044	128,686	129,616	130,575	132,088	132,391
18-Oct	19	133,397	134,060	135,022	136,015	137,581	137,893
19-Oct	13	106,478	106,976	107,695	108,450	109,634	109,866
20-Oct	9	81,490	81,842	82,348	82,893	83,741	83,902
21-Oct	12	93,219	93,639	94,245	94,888	95,893	96,087
22-Oct	21	141,742	142,444	143,462	144,513	146,170	146,500
23-Oct	23	154,247	155,031	156,170	157,339	159,185	159,555
24-Oct	23	155,408	156,208	157,372	158,562	160,444	160,823
25-Oct	22	154,782	155,570	156,714	157,887	159,741	160,113
26-Oct	15	120,123	120,699	121,534	122,404	123,772	124,042
27-Oct	16	121,886	122,473	123,323	124,208	125,599	125,874
28-Oct	16	119,127	119,698	120,524	121,386	122,739	123,006
29-Oct	14	108,702	109,213	109,950	110,724	111,937	112,175
30-Oct	7	67,364	67,645	68,047	68,485	69,164	69,293
31-Oct	2	58,968	59,218	59,575	59,963	60,564	60,679
Nov	697	4,816,966	4,859,109	4,883,882	4,919,907	4,956,811	5,015,163
Dec	1,040	7,010,510	7,060,876	7,098,373	7,153,097	7,208,522	7,296,513
Jan	1,250	8,287,457	8,340,991	8,386,053	8,451,947	8,518,361	8,623,994
Feb	1,091	7,277,960	7,326,116	7,365,563	7,423,215	7,481,380	7,573,854
Mar	942	6,432,207	6,480,747	6,514,847	6,564,573	6,615,064	6,695,148
Apr	518	3,788,768	3,807,305	3,834,174	3,862,021	3,905,881	3,914,582
May	228	2,433,959	2,444,597	2,459,878	2,476,263	2,501,782	2,506,682
Jun	48	1,688,996	1,695,572	1,704,908	1,715,320	1,731,325	1,734,295
Jul	3	1,536,450	1,542,103	1,550,078	1,559,159	1,573,023	1,575,555
Aug	2	1,546,714	1,552,440	1,560,526	1,569,710	1,583,742	1,586,310
Sep	70	1,740,645	1,747,511	1,757,267	1,768,099	1,784,773	1,787,880
Oct	361	3,074,575	3,088,911	3,109,612	3,131,372	3,165,484	3,172,162
Total	6,250	49,635,207	49,946,278	50,225,159	50,594,684	51,026,148	51,482,139

Date	RI HDDn	RI SFT2 plus FT-1 pipeline (excludes FT-1 Storage and Peaking) 2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
1-Nov	15	77,232	77,670	78,118	78,771	79,418	80,453
2-Nov	10	58,044	58,471	58,799	59,274	59,748	60,505
3-Nov	14	82,239	82,728	83,204	83,895	84,582	85,678
4-Nov	12	71,490	71,952	72,362	72,957	73,550	74,495
5-Nov	17	98,137	98,667	99,240	100,073	100,899	102,219
6-Nov	17	96,972	97,463	98,033	98,861	99,681	100,993
7-Nov	14	81,257	81,674	82,151	82,844	83,531	84,628
8-Nov	14	82,422	82,878	83,358	84,056	84,749	85,855
9-Nov	17	99,036	99,569	100,147	100,989	101,822	103,155
10-Nov	14	84,936	85,434	85,926	86,641	87,351	88,485
11-Nov	13	79,787	80,271	80,732	81,401	82,066	83,128
12-Nov	13	77,988	78,467	78,917	79,570	80,220	81,256
13-Nov	17	95,623	96,111	96,672	97,489	98,297	99,589
14-Nov	16	89,758	90,196	90,724	91,494	92,255	93,472
15-Nov	20	114,218	114,755	115,429	116,412	117,383	118,937
16-Nov	23	133,530	134,151	134,940	136,090	137,226	139,044
17-Nov	17	105,780	106,332	106,951	107,853	108,745	110,172
18-Nov	24	140,478	141,117	141,949	143,161	144,358	146,273
19-Nov	26	151,226	151,893	152,791	154,099	155,390	157,456
20-Nov	27	157,908	158,558	159,499	160,873	162,227	164,394
21-Nov	27	156,743	157,354	158,292	159,661	161,009	163,167
22-Nov	32	185,454	186,174	187,284	188,904	190,499	193,053
23-Nov	34	199,185	199,917	201,113	202,860	204,578	207,330
24-Nov	37	216,887	217,625	218,933	220,844	222,723	225,732
25-Nov	37	219,010	219,748	221,070	223,001	224,899	227,939
26-Nov	24	155,763	156,447	157,372	158,720	160,050	162,179
27-Nov	15	101,059	101,567	102,161	103,025	103,880	105,247
28-Nov	18	104,103	104,579	105,195	106,093	106,980	108,398
29-Nov	20	114,218	114,755	115,429	116,412	117,383	118,937
30-Nov	26	149,878	150,540	151,430	152,726	154,005	156,052
1-Dec	16	101,979	102,522	103,118	103,986	104,845	106,218
2-Dec	24	141,377	142,019	142,856	144,076	145,281	147,208
3-Dec	26	150,777	151,442	152,337	153,641	154,928	156,988
4-Dec	29	168,207	168,883	169,887	171,353	172,797	175,109
5-Dec	21	126,744	127,281	128,035	129,135	130,220	131,956
6-Dec	33	188,805	189,533	190,664	192,314	193,938	196,540
7-Dec	24	146,772	147,430	148,300	149,568	150,819	152,822
8-Dec	18	117,223	117,807	118,496	119,500	120,492	122,079
9-Dec	25	146,526	147,181	148,050	149,316	150,566	152,566
10-Dec	20	121,228	121,820	122,533	123,573	124,601	126,245
11-Dec	18	109,314	109,840	110,485	111,423	112,351	113,835
12-Dec	23	129,401	129,941	130,712	131,836	132,945	134,719
13-Dec	22	128,114	128,687	129,446	130,553	131,646	133,395
14-Dec	35	198,151	198,882	200,072	201,809	203,518	206,255
15-Dec	39	222,885	223,625	224,971	226,938	228,871	231,967
16-Dec	34	205,554	206,288	207,525	209,331	211,107	213,951
17-Dec	27	170,761	171,483	172,500	173,982	175,444	177,783
18-Dec	35	203,307	204,040	205,263	207,048	208,804	211,615
19-Dec	28	165,938	166,575	167,569	169,020	170,448	172,735
20-Dec	41	233,615	234,359	235,773	237,840	239,869	243,121
21-Dec	42	242,709	243,456	244,928	247,079	249,191	252,575
22-Dec	29	184,827	185,554	186,659	188,272	189,861	192,405
23-Dec	18	123,517	124,120	124,847	125,906	126,954	128,629
24-Dec	23	138,475	139,111	139,930	141,124	142,303	144,190
25-Dec	35	194,815	195,545	196,714	198,420	200,099	202,788

Date	RI HDDn	RI SFT2 plus FT-1 pipeline (excludes FT-1 Storage and Peaking) 2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
26-Dec	36	205,306	206,040	207,275	209,078	210,852	213,693
27-Dec	42	241,922	242,668	244,135	246,279	248,384	251,756
28-Dec	43	251,441	252,190	253,718	255,950	258,141	261,652
29-Dec	28	180,766	181,492	182,572	184,147	185,699	188,184
30-Dec	31	189,551	190,280	191,415	193,072	194,703	197,316
31-Dec	27	164,468	165,172	166,150	167,576	168,983	171,234
1-Jan	49	270,770	271,527	273,176	275,588	277,954	281,745
2-Jan	35	208,039	208,774	210,027	211,855	213,654	216,535
3-Jan	21	142,296	142,913	143,758	144,991	146,207	148,153
4-Jan	25	152,820	153,494	154,401	155,723	157,028	159,116
5-Jan	19	117,427	118,010	118,700	119,706	120,701	122,291
6-Jan	24	142,276	142,921	143,763	144,991	146,204	148,144
7-Jan	33	187,482	188,209	189,332	190,969	192,582	195,164
8-Jan	35	203,246	203,979	205,201	206,985	208,741	211,552
9-Jan	35	204,642	205,376	206,607	208,404	210,172	213,003
10-Jan	25	156,600	157,250	158,184	159,545	160,887	163,035
11-Jan	37	214,339	215,076	216,368	218,256	220,111	223,083
12-Jan	42	239,737	240,483	241,936	244,060	246,145	249,485
13-Jan	35	212,587	213,324	214,605	216,476	218,316	221,262
14-Jan	40	236,287	237,031	238,463	240,554	242,608	245,899
15-Jan	37	219,071	219,810	221,132	223,063	224,962	228,003
16-Jan	25	157,233	157,851	158,791	160,163	161,515	163,679
17-Jan	44	247,920	248,668	250,173	252,373	254,532	257,991
18-Jan	51	286,897	287,659	289,411	291,973	294,484	298,510
19-Jan	54	312,667	313,437	315,352	318,154	320,898	325,298
20-Jan	39	243,266	244,013	245,488	247,645	249,762	253,154
21-Jan	34	213,622	214,359	215,646	217,527	219,376	222,338
22-Jan	29	178,547	179,253	180,321	181,878	183,413	185,869
23-Jan	28	166,388	167,026	168,022	169,477	170,910	173,203
24-Jan	39	221,248	221,987	223,323	225,275	227,193	230,265
25-Jan	23	147,467	148,129	149,003	150,277	151,534	153,546
26-Jan	36	210,279	211,014	212,281	214,130	215,949	218,862
27-Jan	40	228,644	229,386	230,769	232,789	234,774	237,954
28-Jan	28	176,945	177,669	178,725	180,264	181,782	184,211
29-Jan	41	235,738	236,482	237,910	239,997	242,046	245,328
30-Jan	42	239,435	240,181	241,632	243,753	245,835	249,172
31-Jan	38	227,378	228,119	229,494	231,503	233,476	236,638
1-Feb	17	122,414	123,015	123,736	124,785	125,822	127,482
2-Feb	23	142,072	142,718	143,559	144,785	145,996	147,932
3-Feb	38	210,757	211,493	212,762	214,616	216,439	219,359
4-Feb	38	219,674	220,412	221,738	223,675	225,579	228,629
5-Feb	49	278,413	279,172	280,870	283,353	285,788	289,690
6-Feb	47	271,627	272,384	274,039	276,459	278,832	282,636
7-Feb	48	281,996	282,756	284,476	286,993	289,460	293,414
8-Feb	35	219,381	220,120	221,444	223,378	225,279	228,324
9-Feb	37	224,105	224,845	226,200	228,178	230,122	233,235
10-Feb	33	199,795	200,527	201,728	203,480	205,204	207,965
11-Feb	35	208,766	209,501	210,758	212,593	214,399	217,290
12-Feb	31	186,598	187,324	188,441	190,070	191,676	194,245
13-Feb	36	208,703	209,438	210,695	212,530	214,334	217,224
14-Feb	38	220,584	221,323	222,655	224,601	226,513	229,575
15-Feb	29	181,005	181,731	182,812	184,390	185,944	188,432
16-Feb	30	182,943	183,669	184,763	186,358	187,930	190,446
17-Feb	31	184,456	185,183	186,286	187,895	189,481	192,019
18-Feb	28	170,517	171,236	172,251	173,731	175,191	177,528

Date	RI HDDn	RI SFT2 plus FT-1 pipeline (excludes FT-1 Storage and Peaking) 2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
19-Feb	33	192,638	193,368	194,523	196,208	197,868	200,525
20-Feb	23	139,741	140,311	141,145	142,361	143,560	145,479
21-Feb	35	201,184	201,917	203,126	204,891	206,627	209,408
22-Feb	38	218,400	219,138	220,456	222,381	224,274	227,304
23-Feb	17	119,267	119,859	120,560	121,581	122,592	124,207
24-Feb	31	182,757	183,484	184,576	186,170	187,740	190,253
25-Feb	38	214,154	214,891	216,182	218,067	219,921	222,891
26-Feb	38	221,433	222,173	223,510	225,463	227,383	230,458
27-Feb	36	212,949	213,686	214,969	216,843	218,687	221,638
28-Feb	34	203,917	204,651	205,877	207,667	209,429	212,250
1-Mar	40	233,315	234,058	235,471	237,534	239,561	242,809
2-Mar	29	181,005	181,731	182,812	184,390	185,944	188,432
3-Mar	37	218,161	218,899	220,215	222,138	224,028	227,056
4-Mar	36	211,977	212,713	213,991	215,856	217,690	220,628
5-Mar	23	147,650	148,278	149,156	150,437	151,701	153,723
6-Mar	30	174,889	175,547	176,596	178,127	179,634	182,047
7-Mar	27	159,257	159,910	160,860	162,246	163,611	165,797
8-Mar	34	198,336	199,067	200,259	201,997	203,708	206,448
9-Mar	38	219,674	220,412	221,738	223,675	225,579	228,629
10-Mar	39	229,254	229,996	231,383	233,409	235,399	238,588
11-Mar	18	126,215	126,825	127,569	128,652	129,723	131,436
12-Mar	14	94,111	94,601	95,152	95,954	96,749	98,018
13-Mar	19	106,105	106,585	107,214	108,130	109,034	110,481
14-Mar	17	98,770	99,267	99,847	100,692	101,528	102,864
15-Mar	22	128,380	128,988	129,746	130,850	131,941	133,686
16-Mar	23	134,879	135,504	136,301	137,463	138,611	140,447
17-Mar	30	173,602	174,325	175,359	176,868	178,355	180,736
18-Mar	23	141,173	141,816	142,652	143,870	145,073	146,997
19-Mar	24	143,808	144,423	145,278	146,525	147,755	149,724
20-Mar	24	138,596	139,161	139,988	141,195	142,384	144,287
21-Mar	24	141,560	142,168	143,010	144,237	145,448	147,385
22-Mar	18	113,177	113,749	114,414	115,381	116,338	117,869
23-Mar	21	125,928	126,531	127,274	128,356	129,425	131,135
24-Mar	25	145,178	145,829	146,689	147,943	149,182	151,163
25-Mar	19	117,427	118,010	118,700	119,706	120,701	122,291
26-Mar	24	139,762	140,365	141,195	142,407	143,602	145,514
27-Mar	36	198,593	199,308	200,502	202,246	203,961	206,708
28-Mar	37	212,702	213,439	214,721	216,593	218,433	221,382
29-Mar	26	165,613	166,322	167,307	168,743	170,159	172,426
30-Mar	17	114,771	115,350	116,024	117,005	117,976	119,529
31-Mar	18	110,929	111,494	112,145	113,093	114,031	115,530
1-Apr	20	118,212	118,904	119,912	120,909	122,503	122,830
2-Apr	21	124,728	125,459	126,525	127,579	129,264	129,611
3-Apr	24	139,012	139,834	141,034	142,217	144,110	144,501
4-Apr	17	102,122	102,723	103,598	104,464	105,847	106,133
5-Apr	36	199,789	201,632	203,382	205,085	207,826	208,467
6-Apr	27	162,320	163,428	164,830	166,214	168,427	168,885
7-Apr	16	110,187	110,830	111,765	112,691	114,171	114,475
8-Apr	25	147,632	148,504	149,774	151,028	153,034	153,448
9-Apr	10	69,292	69,686	70,257	70,825	71,733	71,916
10-Apr	19	110,494	111,142	112,087	113,021	114,515	114,822
11-Apr	18	100,070	100,659	101,517	102,364	103,720	103,999
12-Apr	16	95,908	96,468	97,282	98,088	99,377	99,642
13-Apr	5	52,211	52,503	52,925	53,348	54,022	54,156
14-Apr	15	86,087	86,583	87,305	88,021	89,165	89,398

Date	RI HDDn	RI SFT2 plus FT-1 pipeline (excludes FT-1 Storage and Peaking) 2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
15-Apr	15	85,636	86,130	86,847	87,559	88,697	88,929
16-Apr	20	115,958	116,636	117,624	118,601	120,164	120,485
17-Apr	20	115,656	116,337	117,327	118,307	119,873	120,195
18-Apr	12	74,055	74,484	75,110	75,729	76,720	76,922
19-Apr	13	78,166	78,617	79,274	79,925	80,965	81,177
20-Apr	5	48,153	48,420	48,807	49,194	49,811	49,934
21-Apr	13	74,409	74,835	75,452	76,066	77,046	77,245
22-Apr	7	45,011	45,257	45,613	45,970	46,539	46,651
23-Apr	13	75,311	75,742	76,367	76,989	77,982	78,183
24-Apr	13	72,755	73,174	73,782	74,386	75,351	75,548
25-Apr	12	67,742	68,134	68,703	69,268	70,170	70,355
26-Apr	10	59,522	59,860	60,350	60,838	61,617	61,775
27-Apr	7	46,815	47,072	47,443	47,816	48,410	48,528
28-Apr	8	48,146	48,411	48,794	49,178	49,790	49,911
29-Apr	12	67,894	68,280	68,839	69,396	70,285	70,465
30-Apr	15	85,636	86,130	86,847	87,559	88,697	88,929
1-May	0	55,261	55,573	56,025	56,476	57,195	57,340
2-May	0	56,515	56,838	57,308	57,774	58,519	58,670
3-May	0	56,817	57,138	57,604	58,069	58,810	58,960
4-May	0	59,824	60,160	60,647	61,133	61,909	62,064
5-May	4	46,094	46,349	46,717	47,087	47,676	47,793
6-May	14	77,768	78,214	78,861	79,505	80,532	80,741
7-May	18	100,222	100,805	101,652	102,492	103,835	104,109
8-May	11	67,841	68,229	68,793	69,354	70,250	70,432
9-May	10	58,770	59,106	59,596	60,082	60,858	61,016
10-May	1	44,575	44,825	45,187	45,548	46,125	46,241
11-May	0	41,855	42,082	42,409	42,739	43,264	43,367
12-May	0	40,502	40,721	41,037	41,354	41,861	41,960
13-May	4	43,388	43,627	43,972	44,318	44,869	44,978
14-May	6	41,829	42,057	42,386	42,717	43,245	43,348
15-May	14	73,409	73,832	74,446	75,056	76,031	76,229
16-May	17	90,849	91,382	92,158	92,925	94,152	94,404
17-May	14	82,878	83,358	84,056	84,749	85,855	86,081
18-May	10	64,783	65,150	65,680	66,210	67,055	67,225
19-May	1	48,484	48,754	49,144	49,536	50,159	50,284
20-May	6	41,829	42,057	42,386	42,717	43,245	43,348
21-May	6	40,026	40,243	40,556	40,871	41,373	41,472
22-May	6	39,724	39,943	40,259	40,577	41,082	41,182
23-May	6	37,168	37,375	37,674	37,974	38,452	38,547
24-May	8	43,335	43,575	43,921	44,268	44,820	44,930
25-May	4	43,388	43,627	43,972	44,318	44,869	44,978
26-May	4	42,487	42,720	43,056	43,395	43,933	44,040
27-May	1	41,269	41,496	41,823	42,151	42,674	42,778
28-May	3	39,526	39,741	40,052	40,365	40,863	40,961
29-May	3	36,519	36,719	37,010	37,301	37,765	37,857
30-May	8	38,074	38,285	38,590	38,896	39,383	39,480
31-May	12	63,535	63,897	64,424	64,947	65,783	65,953
1-Jun	5	45,898	46,152	46,519	46,886	47,472	47,589
2-Jun	7	44,560	44,804	45,155	45,508	46,071	46,182
3-Jun	3	42,682	42,916	43,255	43,595	44,137	44,245
4-Jun	0	42,171	42,403	42,738	43,074	43,610	43,716
5-Jun	0	36,910	37,113	37,407	37,702	38,172	38,266
6-Jun	0	33,256	33,441	33,708	33,976	34,403	34,488
7-Jun	0	36,459	36,659	36,950	37,241	37,705	37,797
8-Jun	0	39,601	39,818	40,131	40,446	40,947	41,046

Date	RI HDDn	RI SFT2 plus FT-1 pipeline (excludes FT-1 Storage and Peaking) 2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
9-Jun	0	37,798	38,003	38,301	38,600	39,075	39,169
10-Jun	0	36,640	36,839	37,127	37,416	37,876	37,967
11-Jun	0	36,189	36,386	36,669	36,954	37,408	37,497
12-Jun	0	32,792	32,970	33,229	33,489	33,902	33,984
13-Jun	0	31,137	31,310	31,559	31,809	32,207	32,287
14-Jun	0	34,791	34,982	35,258	35,536	35,977	36,065
15-Jun	7	35,543	35,731	36,003	36,278	36,715	36,799
16-Jun	6	39,124	39,336	39,641	39,948	40,438	40,534
17-Jun	0	44,501	44,748	45,105	45,463	46,033	46,147
18-Jun	3	38,173	38,380	38,679	38,980	39,459	39,553
19-Jun	5	33,873	34,058	34,324	34,591	35,018	35,102
20-Jun	4	35,571	35,769	36,056	36,344	36,802	36,893
21-Jun	1	39,164	39,381	39,695	40,010	40,512	40,611
22-Jun	0	41,089	41,316	41,643	41,971	42,494	42,598
23-Jun	0	37,031	37,233	37,524	37,817	38,284	38,376
24-Jun	0	34,326	34,511	34,779	35,048	35,477	35,561
25-Jun	0	34,326	34,511	34,779	35,048	35,477	35,561
26-Jun	0	32,161	32,337	32,592	32,847	33,255	33,335
27-Jun	0	28,703	28,862	29,091	29,322	29,689	29,762
28-Jun	0	30,357	30,522	30,761	31,001	31,383	31,459
29-Jun	0	32,718	32,894	33,147	33,403	33,810	33,889
30-Jun	0	33,169	33,347	33,605	33,864	34,277	34,358
1-Jul	0	33,620	33,801	34,062	34,326	34,745	34,827
2-Jul	0	33,620	33,801	34,062	34,326	34,745	34,827
3-Jul	0	31,259	31,430	31,676	31,924	32,319	32,397
4-Jul	0	28,447	28,605	28,833	29,061	29,425	29,497
5-Jul	0	29,906	30,069	30,303	30,540	30,915	30,990
6-Jul	0	32,658	32,834	33,087	33,343	33,750	33,829
7-Jul	0	32,658	32,834	33,087	33,343	33,750	33,829
8-Jul	0	32,402	32,577	32,828	33,082	33,486	33,565
9-Jul	0	32,147	32,320	32,570	32,821	33,222	33,300
10-Jul	0	28,689	28,845	29,070	29,296	29,656	29,727
11-Jul	0	25,291	25,430	25,629	25,830	26,150	26,213
12-Jul	0	28,554	28,708	28,931	29,155	29,512	29,582
13-Jul	0	32,658	32,834	33,087	33,343	33,750	33,829
14-Jul	0	32,853	33,030	33,286	33,544	33,954	34,034
15-Jul	0	31,951	32,123	32,371	32,621	33,018	33,096
16-Jul	0	31,696	31,866	32,112	32,360	32,754	32,831
17-Jul	0	28,884	29,042	29,268	29,497	29,860	29,932
18-Jul	0	25,622	25,763	25,967	26,172	26,498	26,563
19-Jul	0	27,081	27,227	27,438	27,650	27,989	28,055
20-Jul	0	29,442	29,598	29,824	30,052	30,415	30,486
21-Jul	0	30,539	30,702	30,938	31,176	31,555	31,629
22-Jul	0	30,343	30,505	30,739	30,975	31,351	31,424
23-Jul	0	30,148	30,309	30,540	30,774	31,147	31,219
24-Jul	0	28,494	28,648	28,871	29,095	29,452	29,522
25-Jul	0	26,388	26,534	26,743	26,954	27,290	27,356
26-Jul	0	28,749	28,905	29,129	29,356	29,716	29,787
27-Jul	0	31,951	32,123	32,371	32,621	33,018	33,096
28-Jul	0	31,951	32,123	32,371	32,621	33,018	33,096
29-Jul	0	31,501	31,669	31,913	32,159	32,550	32,627
30-Jul	0	31,501	31,669	31,913	32,159	32,550	32,627
31-Jul	0	28,749	28,905	29,129	29,356	29,716	29,787
1-Aug	0	27,035	27,184	27,400	27,616	27,961	28,030
2-Aug	0	29,335	29,495	29,726	29,958	30,328	30,401

Date	RI HDDn	RI SFT2 plus FT-1 pipeline (excludes FT-1 Storage and Peaking) 2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
3-Aug	0	30,539	30,702	30,938	31,176	31,555	31,629
4-Aug	0	30,088	30,249	30,480	30,714	31,087	31,159
5-Aug	0	29,892	30,052	30,281	30,514	30,883	30,955
6-Aug	0	29,952	30,112	30,341	30,574	30,943	31,015
7-Aug	0	28,749	28,905	29,129	29,356	29,716	29,787
8-Aug	0	27,290	27,441	27,659	27,877	28,225	28,294
9-Aug	0	29,395	29,555	29,786	30,018	30,388	30,461
10-Aug	0	31,501	31,669	31,913	32,159	32,550	32,627
11-Aug	0	31,501	31,669	31,913	32,159	32,550	32,627
12-Aug	0	31,110	31,276	31,515	31,757	32,142	32,217
13-Aug	0	32,207	32,380	32,629	32,881	33,282	33,360
14-Aug	0	30,102	30,266	30,502	30,740	31,119	31,194
15-Aug	0	26,899	27,047	27,261	27,476	27,817	27,885
16-Aug	0	30,102	30,266	30,502	30,740	31,119	31,194
17-Aug	0	32,658	32,834	33,087	33,343	33,750	33,829
18-Aug	0	32,011	32,183	32,431	32,680	33,078	33,156
19-Aug	0	32,267	32,440	32,689	32,941	33,342	33,420
20-Aug	1	31,801	31,969	32,213	32,459	32,850	32,926
21-Aug	1	32,852	33,030	33,289	33,548	33,962	34,044
22-Aug	0	34,820	35,016	35,299	35,582	36,034	36,125
23-Aug	0	34,024	34,211	34,482	34,753	35,186	35,272
24-Aug	0	33,875	34,058	34,321	34,587	35,009	35,092
25-Aug	0	34,326	34,511	34,779	35,048	35,477	35,561
26-Aug	0	34,521	34,708	34,977	35,249	35,681	35,766
27-Aug	0	34,266	34,451	34,719	34,988	35,417	35,501
28-Aug	0	31,004	31,173	31,418	31,663	32,055	32,132
29-Aug	0	27,155	27,304	27,520	27,736	28,081	28,150
30-Aug	0	29,966	30,129	30,363	30,599	30,975	31,049
31-Aug	0	33,875	34,058	34,321	34,587	35,009	35,092
1-Sep	0	34,130	34,314	34,580	34,847	35,273	35,356
2-Sep	0	34,581	34,768	35,037	35,309	35,741	35,826
3-Sep	0	35,032	35,222	35,495	35,770	36,209	36,295
4-Sep	0	32,476	32,654	32,910	33,168	33,578	33,659
5-Sep	0	29,725	29,889	30,126	30,365	30,744	30,820
6-Sep	0	32,732	32,911	33,169	33,429	33,842	33,924
7-Sep	0	35,739	35,932	36,211	36,493	36,940	37,028
8-Sep	0	35,543	35,735	36,012	36,292	36,736	36,824
9-Sep	1	35,408	35,598	35,873	36,151	36,592	36,679
10-Sep	4	36,625	36,822	37,107	37,395	37,852	37,941
11-Sep	4	36,774	36,976	37,268	37,561	38,028	38,121
12-Sep	0	36,548	36,753	37,051	37,348	37,821	37,916
13-Sep	0	37,045	37,250	37,546	37,843	38,316	38,411
14-Sep	0	36,896	37,096	37,385	37,676	38,140	38,231
15-Sep	2	35,663	35,855	36,132	36,412	36,856	36,943
16-Sep	3	37,271	37,473	37,764	38,057	38,524	38,615
17-Sep	0	39,917	40,135	40,450	40,766	41,271	41,370
18-Sep	0	36,910	37,113	37,407	37,702	38,172	38,266
19-Sep	2	33,256	33,441	33,708	33,976	34,403	34,488
20-Sep	6	35,666	35,860	36,141	36,423	36,872	36,960
21-Sep	4	40,683	40,905	41,226	41,549	42,062	42,164
22-Sep	0	42,171	42,403	42,738	43,074	43,610	43,716
23-Sep	6	39,124	39,336	39,641	39,948	40,438	40,534
24-Sep	9	48,799	49,068	49,457	49,848	50,469	50,593
25-Sep	1	41,870	42,103	42,441	42,779	43,318	43,426
26-Sep	0	36,668	36,873	37,170	37,467	37,941	38,036

Date	RI HDDn	RI SFT2 plus FT-1 pipeline (excludes FT-1 Storage and Peaking) 2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
27-Sep	1	*36,910*	*37,113*	*37,407*	*37,702*	*38,172*	*38,266*
28-Sep	4	*38,879*	*39,091*	*39,395*	*39,702*	*40,191*	*40,287*
29-Sep	7	*39,150*	*39,360*	*39,664*	*39,970*	*40,457*	*40,552*
30-Sep	11	*60,928*	*61,271*	*61,768*	*62,264*	*63,056*	*63,215*
1-Oct	0	*45,011*	*45,257*	*45,613*	*45,970*	*46,539*	*46,651*
2-Oct	5	*42,440*	*42,677*	*43,018*	*43,361*	*43,906*	*44,015*
3-Oct	7	*37,194*	*37,400*	*37,697*	*37,996*	*38,471*	*38,566*
4-Oct	0	*39,750*	*39,968*	*40,282*	*40,598*	*41,102*	*41,201*
5-Oct	4	*43,388*	*43,627*	*43,972*	*44,318*	*44,869*	*44,978*
6-Oct	0	*45,441*	*45,689*	*46,048*	*46,408*	*46,983*	*47,096*
7-Oct	3	*42,682*	*42,916*	*43,255*	*43,595*	*44,137*	*44,245*
8-Oct	0	*50,603*	*50,883*	*51,288*	*51,694*	*52,341*	*52,469*
9-Oct	11	*58,823*	*59,157*	*59,641*	*60,123*	*60,893*	*61,049*
10-Oct	20	*106,337*	*106,964*	*107,878*	*108,781*	*110,225*	*110,523*
11-Oct	17	*98,365*	*98,940*	*99,777*	*100,604*	*101,928*	*102,200*
12-Oct	15	*93,302*	*93,842*	*94,627*	*95,406*	*96,650*	*96,904*
13-Oct	9	*60,072*	*60,409*	*60,898*	*61,386*	*62,165*	*62,321*
14-Oct	6	*47,691*	*47,955*	*48,336*	*48,717*	*49,326*	*49,447*
15-Oct	5	*43,644*	*43,884*	*44,230*	*44,578*	*45,133*	*45,243*
16-Oct	13	*68,697*	*69,091*	*69,664*	*70,232*	*71,141*	*71,326*
17-Oct	17	*89,948*	*90,475*	*91,243*	*92,002*	*93,216*	*93,466*
18-Oct	16	*92,752*	*93,292*	*94,079*	*94,858*	*96,103*	*96,358*
19-Oct	11	*70,848*	*71,251*	*71,836*	*72,418*	*73,348*	*73,536*
20-Oct	8	*52,655*	*52,947*	*53,370*	*53,793*	*54,468*	*54,603*
21-Oct	10	*59,373*	*59,706*	*60,189*	*60,671*	*61,441*	*61,595*
22-Oct	19	*105,385*	*105,999*	*106,893*	*107,777*	*109,192*	*109,482*
23-Oct	22	*123,276*	*124,003*	*125,062*	*126,108*	*127,781*	*128,126*
24-Oct	19	*110,643*	*111,296*	*112,248*	*113,188*	*114,691*	*115,002*
25-Oct	21	*123,524*	*124,252*	*125,313*	*126,361*	*128,037*	*128,383*
26-Oct	12	*79,167*	*79,620*	*80,279*	*80,934*	*81,980*	*82,193*
27-Oct	14	*86,335*	*86,833*	*87,556*	*88,274*	*89,421*	*89,655*
28-Oct	14	*83,179*	*83,658*	*84,353*	*85,043*	*86,146*	*86,371*
29-Oct	10	*63,431*	*63,789*	*64,308*	*64,825*	*65,651*	*65,817*
30-Oct	6	*45,135*	*45,387*	*45,751*	*46,115*	*46,696*	*46,812*
31-Oct	2	*39,569*	*39,792*	*40,115*	*40,438*	*40,952*	*41,056*
Nov	610	3,580,358	3,597,061	3,618,221	3,649,050	3,679,505	3,728,223
Dec	892	5,294,477	5,315,263	5,346,935	5,393,144	5,438,662	5,511,530
Jan	1,083	6,401,294	6,423,410	6,461,996	6,518,344	6,573,750	6,662,487
Feb	946	5,620,246	5,640,322	5,674,136	5,723,504	5,772,069	5,849,840
Mar	812	4,844,795	4,864,670	4,893,568	4,935,717	4,977,264	5,043,763
Apr	464	2,778,931	2,795,872	2,819,373	2,842,634	2,879,831	2,887,515
May	191	1,658,545	1,667,876	1,681,403	1,694,903	1,716,442	1,720,772
Jun	41	1,100,714	1,106,732	1,115,428	1,124,166	1,138,083	1,140,835
Jul	0	939,752	944,827	952,149	959,529	971,274	973,579
Aug	2	965,117	970,343	977,884	985,481	997,572	999,949
Sep	65	1,133,120	1,139,321	1,148,283	1,157,286	1,171,626	1,174,463
Oct	316	2,148,659	2,160,956	2,178,818	2,196,575	2,224,933	2,230,689
Total	5,422	36,466,007	36,626,653	36,868,194	37,180,335	37,541,011	37,923,644

Date	RI HDDd	RI SFT2 plus FT-1 pipeline (excludes FT-1 Storage and Peaking) 2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
1-Nov	16	82,831	83,283	83,766	84,469	85,165	86,278
2-Nov	9	53,344	53,759	54,058	54,491	54,925	55,615
3-Nov	14	82,239	82,728	83,204	83,895	84,582	85,678
4-Nov	13	76,190	76,664	77,103	77,740	78,373	79,385
5-Nov	20	114,035	114,605	115,275	116,251	117,217	118,760
6-Nov	19	109,069	109,592	110,235	111,172	112,098	113,579
7-Nov	16	93,804	94,254	94,807	95,613	96,409	97,683
8-Nov	14	84,220	84,681	85,172	85,887	86,595	87,726
9-Nov	20	115,384	115,958	116,636	117,624	118,601	120,164
10-Nov	15	91,434	91,949	92,481	93,254	94,021	95,247
11-Nov	15	91,884	92,400	92,934	93,712	94,482	95,714
12-Nov	14	84,487	84,983	85,472	86,183	86,889	88,018
13-Nov	20	112,420	112,951	113,615	114,582	115,537	117,066
14-Nov	19	107,004	107,487	108,121	109,045	109,957	111,417
15-Nov	24	137,514	138,110	138,927	140,119	141,294	143,175
16-Nov	27	157,275	157,957	158,892	160,254	161,598	163,749
17-Nov	19	119,675	120,264	120,968	121,994	123,008	124,630
18-Nov	28	163,773	164,473	165,447	166,867	168,268	170,510
19-Nov	30	174,451	175,174	176,214	177,730	179,225	181,618
20-Nov	31	182,103	182,815	183,904	185,494	187,060	189,567
21-Nov	31	180,937	181,611	182,697	184,282	185,842	188,340
22-Nov	37	213,551	214,288	215,575	217,455	219,304	222,264
23-Nov	41	237,375	238,120	239,558	241,660	243,724	247,030
24-Nov	43	251,441	252,190	253,718	255,950	258,141	261,652
25-Nov	45	263,808	264,562	266,167	268,515	270,817	274,508
26-Nov	27	177,130	177,855	178,911	180,453	181,972	184,404
27-Nov	17	116,303	116,852	117,539	118,539	119,528	121,109
28-Nov	20	116,650	117,158	117,851	118,861	119,858	121,453
29-Nov	24	136,615	137,208	138,020	139,203	140,371	142,239
30-Nov	29	168,024	168,733	169,734	171,192	172,630	174,932
1-Dec	20	125,724	126,328	127,070	128,149	129,217	130,924
2-Dec	28	165,122	165,825	166,808	168,240	169,653	171,914
3-Dec	29	169,822	170,537	171,548	173,023	174,477	176,804
4-Dec	34	196,699	197,430	198,611	200,334	202,030	204,746
5-Dec	25	150,939	151,538	152,440	153,757	155,054	157,130
6-Dec	39	222,097	222,837	224,178	226,138	228,063	231,148
7-Dec	28	171,850	172,572	173,595	175,088	176,559	178,914
8-Dec	19	126,868	127,478	128,226	129,316	130,393	132,115
9-Dec	29	169,372	170,086	171,094	172,565	174,015	176,336
10-Dec	23	138,925	139,562	140,384	141,582	142,765	144,658
11-Dec	20	122,760	123,322	124,048	125,107	126,153	127,825
12-Dec	27	152,247	152,845	153,756	155,085	156,393	158,489
13-Dec	27	156,559	157,205	158,138	159,500	160,842	162,990
14-Dec	41	231,431	232,173	233,574	235,620	237,630	240,850
15-Dec	45	257,014	257,766	259,328	261,612	263,854	267,445
16-Dec	39	235,198	235,943	237,367	239,448	241,492	244,767
17-Dec	32	199,981	200,713	201,914	203,668	205,394	208,158
18-Dec	41	237,012	237,757	239,193	241,291	243,351	246,652
19-Dec	32	191,482	192,185	193,335	195,014	196,666	199,312
20-Dec	49	277,139	277,898	279,588	282,059	284,482	288,366
21-Dec	51	291,993	292,756	294,540	297,150	299,707	303,807
22-Dec	32	206,775	207,509	208,753	210,570	212,358	215,220
23-Dec	21	144,361	145,018	145,873	147,118	148,348	150,316
24-Dec	27	161,771	162,466	163,428	164,830	166,214	168,427
25-Dec	41	227,246	227,987	229,361	231,369	233,341	236,500

Date	RI HDDd	RI SFT2 plus FT-1 pipeline (excludes FT-1 Storage and Peaking) 2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
26-Dec	42	239,011	239,756	241,205	243,322	245,400	248,730
27-Dec	51	291,205	291,968	293,747	296,349	298,900	302,988
28-Dec	51	297,088	297,853	299,670	302,326	304,930	309,103
29-Dec	32	207,624	208,358	209,608	211,433	213,228	216,103
30-Dec	35	214,286	215,023	216,315	218,201	220,056	223,028
31-Dec	30	182,943	183,669	184,763	186,358	187,930	190,446
1-Jan	61	332,660	333,437	335,479	338,466	341,391	346,081
2-Jan	38	229,138	229,880	231,266	233,291	235,280	238,467
3-Jan	23	159,339	160,001	160,951	162,336	163,701	165,886
4-Jan	28	170,517	171,236	172,251	173,731	175,191	177,528
5-Jan	19	119,675	120,264	120,968	121,994	123,008	124,630
6-Jan	28	164,223	164,923	165,900	167,325	168,730	170,978
7-Jan	38	213,729	214,466	215,754	217,636	219,486	222,449
8-Jan	41	236,526	237,271	238,703	240,797	242,853	246,147
9-Jan	41	238,772	239,517	240,964	243,079	245,155	248,482
10-Jan	30	187,675	188,403	189,526	191,166	192,780	195,365
11-Jan	43	248,468	249,217	250,726	252,930	255,094	258,562
12-Jan	50	283,686	284,447	286,178	288,710	291,193	295,172
13-Jan	41	247,990	248,739	250,244	252,444	254,604	258,065
14-Jan	46	271,690	272,447	274,102	276,523	278,897	282,701
15-Jan	43	253,625	254,376	255,917	258,169	260,380	263,922
16-Jan	30	188,376	189,074	190,205	191,856	193,480	196,081
17-Jan	40	232,951	233,695	235,105	237,165	239,189	242,431
18-Jan	55	306,961	307,730	309,609	312,357	315,050	319,367
19-Jan	68	387,804	388,601	390,992	394,492	397,915	403,406
20-Jan	54	324,556	325,330	327,321	330,233	333,084	337,657
21-Jan	44	275,033	275,791	277,468	279,919	282,323	286,177
22-Jan	34	214,108	214,845	216,136	218,021	219,874	222,843
23-Jan	32	193,729	194,439	195,603	197,302	198,974	201,651
24-Jan	44	249,618	250,367	251,883	254,098	256,273	259,757
25-Jan	24	156,662	157,349	158,279	159,635	160,973	163,114
26-Jan	41	237,375	238,120	239,558	241,660	243,724	247,030
27-Jan	46	260,650	261,403	262,989	265,306	267,581	271,225
28-Jan	32	201,255	201,987	203,197	204,962	206,700	209,482
29-Jan	46	264,533	265,287	266,897	269,251	271,561	275,261
30-Jan	47	267,806	268,561	270,192	272,576	274,915	278,664
31-Jan	43	256,173	256,924	258,481	260,758	262,991	266,571
1-Feb	17	126,909	127,524	128,272	129,361	130,438	132,160
2-Feb	28	170,067	170,785	171,797	173,274	174,730	177,060
3-Feb	45	247,248	247,997	249,497	251,690	253,844	257,293
4-Feb	45	259,137	259,890	261,466	263,769	266,030	269,652
5-Feb	56	318,726	319,499	321,452	324,310	327,109	331,597
6-Feb	56	321,760	322,534	324,506	327,392	330,219	334,750
7-Feb	57	332,977	333,755	335,799	338,789	341,717	346,411
8-Feb	42	261,392	262,145	263,736	266,060	268,341	271,996
9-Feb	44	265,267	266,022	267,637	269,997	272,313	276,025
10-Feb	39	235,198	235,943	237,367	239,448	241,492	244,767
11-Feb	42	248,654	249,403	250,912	253,119	255,284	258,755
12-Feb	37	221,619	222,358	223,697	225,652	227,573	230,651
13-Feb	43	248,591	249,340	250,849	253,055	255,220	258,690
14-Feb	45	260,472	261,225	262,810	265,126	267,399	271,040
15-Feb	32	201,679	202,412	203,624	205,394	207,135	209,923
16-Feb	33	201,918	202,651	203,865	205,637	207,380	210,172
17-Feb	35	206,643	207,377	208,621	210,436	212,222	215,083
18-Feb	31	188,277	189,005	190,133	191,778	193,398	195,991

Date	RI HDDd	RI SFT2 plus FT-1 pipeline (excludes FT-1 Storage and Peaking) 2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
19-Feb	37	215,250	215,987	217,285	219,181	221,045	224,030
20-Feb	22	137,738	138,305	139,126	140,324	141,505	143,396
21-Feb	39	222,097	222,837	224,178	226,138	228,063	231,148
22-Feb	43	244,222	244,970	246,451	248,616	250,742	254,148
23-Feb	22	149,061	149,729	150,613	151,901	153,172	155,206
24-Feb	35	206,643	207,377	208,621	210,436	212,222	215,083
25-Feb	43	242,524	243,271	244,741	246,891	249,001	252,382
26-Feb	43	249,804	250,553	252,070	254,287	256,463	259,950
27-Feb	41	241,744	242,490	243,956	246,098	248,202	251,572
28-Feb	39	232,712	233,456	234,864	236,922	238,944	242,183
1-Mar	47	271,929	272,686	274,343	276,765	279,142	282,950
2-Mar	32	200,830	201,562	202,769	204,531	206,264	209,040
3-Mar	43	251,865	252,615	254,145	256,381	258,576	262,093
4-Mar	42	245,257	246,005	247,493	249,668	251,803	255,224
5-Mar	27	173,643	174,339	175,376	176,889	178,381	180,767
6-Mar	36	209,977	210,712	211,977	213,824	215,640	218,549
7-Mar	32	189,427	190,155	191,290	192,946	194,576	197,187
8-Mar	41	237,375	238,120	239,558	241,660	243,724	247,030
9-Mar	45	259,137	259,890	261,466	263,769	266,030	269,652
10-Mar	46	269,567	270,323	271,965	274,366	276,720	280,494
11-Mar	21	147,957	148,625	149,502	150,779	152,040	154,058
12-Mar	16	108,906	109,435	110,076	111,011	111,935	113,412
13-Mar	22	123,802	124,327	125,064	126,138	127,198	128,893
14-Mar	20	116,466	117,009	117,697	118,700	119,691	121,276
15-Mar	25	146,526	147,181	148,050	149,316	150,566	152,566
16-Mar	27	158,174	158,859	159,799	161,169	162,521	164,685
17-Mar	35	201,123	201,855	203,064	204,828	206,564	209,345
18-Mar	27	165,817	166,524	167,511	168,949	170,368	172,638
19-Mar	28	168,452	169,131	170,137	171,604	173,050	175,365
20-Mar	28	162,791	163,419	164,393	165,816	167,217	169,460
21-Mar	28	165,755	166,425	167,415	168,859	170,281	172,558
22-Mar	21	132,222	132,844	133,625	134,762	135,887	137,685
23-Mar	24	144,524	145,175	146,031	147,280	148,512	150,483
24-Mar	29	168,473	169,184	170,187	171,650	173,092	175,400
25-Mar	21	130,873	131,491	132,264	133,390	134,502	136,281
26-Mar	26	152,758	153,395	154,305	155,633	156,941	159,036
27-Mar	41	225,184	225,925	227,286	229,274	231,228	234,357
28-Mar	42	240,223	240,969	242,425	244,553	246,643	249,991
29-Mar	29	184,827	185,554	186,659	188,272	189,861	192,405
30-Mar	20	133,816	134,445	135,235	136,387	137,524	139,344
31-Mar	21	129,075	129,687	130,449	131,559	132,656	134,410
1-Apr	23	135,504	136,301	137,463	138,611	140,447	140,826
2-Apr	24	142,470	143,310	144,534	145,742	147,676	148,075
3-Apr	25	146,880	147,750	149,020	150,271	152,275	152,689
4-Apr	21	124,575	125,313	126,390	127,451	129,149	129,501
5-Apr	39	216,647	218,596	220,503	222,359	225,344	226,038
6-Apr	31	184,939	186,688	188,300	189,870	192,395	192,990
7-Apr	19	128,831	129,587	130,689	131,778	133,519	133,877
8-Apr	29	170,869	172,455	173,938	175,400	177,739	178,223
9-Apr	12	82,774	83,249	83,940	84,627	85,723	85,946
10-Apr	22	128,687	129,446	130,553	131,646	133,395	133,756
11-Apr	21	117,812	118,509	119,525	120,528	122,132	122,464
12-Apr	19	114,101	114,772	115,748	116,714	118,257	118,575
13-Apr	7	54,931	55,237	55,680	56,124	56,831	56,972
14-Apr	15	88,342	88,852	89,593	90,329	91,504	91,744

Date	RI HDDd	RI SFT2 plus FT-1 pipeline (excludes FT-1 Storage and Peaking) 2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
15-Apr	17	96,863	97,425	98,243	99,053	100,348	100,613
16-Apr	21	122,022	122,738	123,780	124,810	126,457	126,796
17-Apr	21	122,172	122,891	123,940	124,976	126,634	126,975
18-Apr	13	80,119	80,586	81,265	81,938	83,013	83,234
19-Apr	15	89,393	89,913	90,669	91,418	92,616	92,862
20-Apr	5	49,505	49,781	50,179	50,578	51,215	51,342
21-Apr	14	80,474	80,936	81,607	82,274	83,339	83,556
22-Apr	7	45,462	45,711	46,070	46,431	47,007	47,120
23-Apr	15	86,087	86,583	87,305	88,021	89,165	89,398
24-Apr	15	83,982	84,469	85,178	85,880	87,002	87,232
25-Apr	14	79,871	80,336	81,014	81,685	82,757	82,977
26-Apr	10	61,326	61,674	62,180	62,684	63,489	63,651
27-Apr	7	47,717	47,979	48,358	48,739	49,346	49,466
28-Apr	8	48,146	48,411	48,794	49,178	49,790	49,911
29-Apr	13	73,057	73,474	74,079	74,681	75,643	75,837
30-Apr	16	91,250	91,778	92,545	93,306	94,523	94,771
1-May	0	56,163	56,480	56,940	57,399	58,131	58,278
2-May	0	56,966	57,292	57,765	58,236	58,987	59,140
3-May	0	56,817	57,138	57,604	58,069	58,810	58,960
4-May	0	59,824	60,160	60,647	61,133	61,909	62,064
5-May	6	45,888	46,140	46,505	46,871	47,455	47,571
6-May	17	94,158	94,703	95,497	96,284	97,541	97,798
7-May	23	128,289	129,043	130,141	131,226	132,962	133,319
8-May	14	86,936	87,440	88,175	88,902	90,065	90,303
9-May	13	77,864	78,318	78,977	79,630	80,674	80,888
10-May	2	47,085	47,350	47,734	48,117	48,728	48,851
11-May	0	43,659	43,896	44,240	44,585	45,135	45,244
12-May	0	40,953	41,175	41,494	41,816	42,328	42,429
13-May	3	43,584	43,824	44,171	44,519	45,073	45,183
14-May	8	44,990	45,235	45,590	45,947	46,515	46,627
15-May	12	63,535	63,897	64,424	64,947	65,783	65,953
16-May	17	90,849	91,382	92,158	92,925	94,152	94,404
17-May	12	71,651	72,062	72,661	73,255	74,204	74,397
18-May	12	74,207	74,630	75,245	75,857	76,834	77,032
19-May	1	48,484	48,754	49,144	49,536	50,159	50,284
20-May	8	46,342	46,596	46,963	47,332	47,918	48,035
21-May	9	49,701	49,976	50,373	50,771	51,405	51,531
22-May	9	50,752	51,037	51,449	51,861	52,517	52,649
23-May	8	43,485	43,728	44,082	44,434	44,997	45,110
24-May	10	55,915	56,231	56,689	57,146	57,875	58,022
25-May	7	45,011	45,257	45,613	45,970	46,539	46,651
26-May	7	44,560	44,804	45,155	45,508	46,071	46,182
27-May	1	43,975	44,217	44,568	44,920	45,481	45,592
28-May	5	40,488	40,708	41,027	41,348	41,858	41,959
29-May	3	37,421	37,627	37,925	38,224	38,700	38,795
30-May	9	44,138	44,386	44,745	45,104	45,676	45,791
31-May	12	63,986	64,351	64,881	65,409	66,251	66,422
1-Jun	6	46,338	46,594	46,963	47,333	47,923	48,040
2-Jun	7	45,011	45,257	45,613	45,970	46,539	46,651
3-Jun	2	43,328	43,567	43,912	44,258	44,809	44,919
4-Jun	0	41,720	41,949	42,280	42,612	43,142	43,247
5-Jun	0	36,459	36,659	36,950	37,241	37,705	37,797
6-Jun	0	33,256	33,441	33,708	33,976	34,403	34,488
7-Jun	0	36,459	36,659	36,950	37,241	37,705	37,797
8-Jun	0	39,601	39,818	40,131	40,446	40,947	41,046

Date	RI HDDd	RI SFT2 plus FT-1 pipeline (excludes FT-1 Storage and Peaking) 2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
9-Jun	0	37,798	38,003	38,301	38,600	39,075	39,169
10-Jun	0	36,640	36,839	37,127	37,416	37,876	37,967
11-Jun	0	36,189	36,386	36,669	36,954	37,408	37,497
12-Jun	0	32,792	32,970	33,229	33,489	33,902	33,984
13-Jun	0	31,137	31,310	31,559	31,809	32,207	32,287
14-Jun	0	34,791	34,982	35,258	35,536	35,977	36,065
15-Jun	9	44,291	44,532	44,881	45,232	45,791	45,901
16-Jun	7	40,051	40,267	40,579	40,893	41,393	41,491
17-Jun	1	44,876	45,125	45,484	45,843	46,417	46,531
18-Jun	5	40,488	40,708	41,027	41,348	41,858	41,959
19-Jun	6	37,019	37,221	37,514	37,807	38,275	38,368
20-Jun	5	36,728	36,933	37,230	37,527	38,001	38,096
21-Jun	0	41,239	41,469	41,804	42,138	42,671	42,778
22-Jun	0	38,835	39,047	39,355	39,663	40,155	40,252
23-Jun	0	34,326	34,511	34,779	35,048	35,477	35,561
24-Jun	0	34,326	34,511	34,779	35,048	35,477	35,561
25-Jun	0	34,326	34,511	34,779	35,048	35,477	35,561
26-Jun	0	32,161	32,337	32,592	32,847	33,255	33,335
27-Jun	0	28,703	28,862	29,091	29,322	29,689	29,762
28-Jun	0	30,357	30,522	30,761	31,001	31,383	31,459
29-Jun	0	32,718	32,894	33,147	33,403	33,810	33,889
30-Jun	0	33,169	33,347	33,605	33,864	34,277	34,358
1-Jul	0	33,620	33,801	34,062	34,326	34,745	34,827
2-Jul	0	33,620	33,801	34,062	34,326	34,745	34,827
3-Jul	0	31,259	31,430	31,676	31,924	32,319	32,397
4-Jul	0	28,447	28,605	28,833	29,061	29,425	29,497
5-Jul	0	29,906	30,069	30,303	30,540	30,915	30,990
6-Jul	1	30,899	31,062	31,297	31,536	31,914	31,988
7-Jul	2	34,761	34,948	35,217	35,489	35,921	36,005
8-Jul	0	40,969	41,196	41,523	41,851	42,374	42,478
9-Jul	0	36,656	36,856	37,146	37,437	37,900	37,992
10-Jul	0	28,689	28,845	29,070	29,296	29,656	29,727
11-Jul	0	25,291	25,430	25,629	25,830	26,150	26,213
12-Jul	0	28,554	28,708	28,931	29,155	29,512	29,582
13-Jul	0	32,658	32,834	33,087	33,343	33,750	33,829
14-Jul	0	32,853	33,030	33,286	33,544	33,954	34,034
15-Jul	0	31,951	32,123	32,371	32,621	33,018	33,096
16-Jul	0	31,696	31,866	32,112	32,360	32,754	32,831
17-Jul	0	28,884	29,042	29,268	29,497	29,860	29,932
18-Jul	0	25,622	25,763	25,967	26,172	26,498	26,563
19-Jul	0	27,081	27,227	27,438	27,650	27,989	28,055
20-Jul	0	29,442	29,598	29,824	30,052	30,415	30,486
21-Jul	0	30,539	30,702	30,938	31,176	31,555	31,629
22-Jul	0	30,343	30,505	30,739	30,975	31,351	31,424
23-Jul	0	30,148	30,309	30,540	30,774	31,147	31,219
24-Jul	0	28,494	28,648	28,871	29,095	29,452	29,522
25-Jul	0	26,388	26,534	26,743	26,954	27,290	27,356
26-Jul	0	28,749	28,905	29,129	29,356	29,716	29,787
27-Jul	0	31,951	32,123	32,371	32,621	33,018	33,096
28-Jul	0	31,951	32,123	32,371	32,621	33,018	33,096
29-Jul	0	31,501	31,669	31,913	32,159	32,550	32,627
30-Jul	0	31,501	31,669	31,913	32,159	32,550	32,627
31-Jul	0	28,749	28,905	29,129	29,356	29,716	29,787
1-Aug	0	27,035	27,184	27,400	27,616	27,961	28,030
2-Aug	0	29,335	29,495	29,726	29,958	30,328	30,401

Date	RI HDDd	RI SFT2 plus FT-1 pipeline (excludes FT-1 Storage and Peaking) 2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
3-Aug	0	30,539	30,702	30,938	31,176	31,555	31,629
4-Aug	0	30,088	30,249	30,480	30,714	31,087	31,159
5-Aug	0	29,892	30,052	30,281	30,514	30,883	30,955
6-Aug	0	29,952	30,112	30,341	30,574	30,943	31,015
7-Aug	0	28,749	28,905	29,129	29,356	29,716	29,787
8-Aug	0	27,290	27,441	27,659	27,877	28,225	28,294
9-Aug	0	29,395	29,555	29,786	30,018	30,388	30,461
10-Aug	0	31,501	31,669	31,913	32,159	32,550	32,627
11-Aug	0	31,501	31,669	31,913	32,159	32,550	32,627
12-Aug	0	31,110	31,276	31,515	31,757	32,142	32,217
13-Aug	0	32,207	32,380	32,629	32,881	33,282	33,360
14-Aug	0	30,102	30,266	30,502	30,740	31,119	31,194
15-Aug	0	26,899	27,047	27,261	27,476	27,817	27,885
16-Aug	0	30,102	30,266	30,502	30,740	31,119	31,194
17-Aug	0	32,658	32,834	33,087	33,343	33,750	33,829
18-Aug	1	30,448	30,609	30,840	31,074	31,446	31,518
19-Aug	0	35,874	36,069	36,350	36,634	37,084	37,173
20-Aug	0	36,776	36,976	37,266	37,557	38,020	38,111
21-Aug	1	29,695	29,855	30,085	30,318	30,687	30,760
22-Aug	0	31,664	31,840	32,096	32,352	32,759	32,841
23-Aug	0	34,024	34,211	34,482	34,753	35,186	35,272
24-Aug	0	33,875	34,058	34,321	34,587	35,009	35,092
25-Aug	0	34,326	34,511	34,779	35,048	35,477	35,561
26-Aug	0	34,521	34,708	34,977	35,249	35,681	35,766
27-Aug	0	34,266	34,451	34,719	34,988	35,417	35,501
28-Aug	0	31,004	31,173	31,418	31,663	32,055	32,132
29-Aug	0	27,155	27,304	27,520	27,736	28,081	28,150
30-Aug	0	29,966	30,129	30,363	30,599	30,975	31,049
31-Aug	0	33,875	34,058	34,321	34,587	35,009	35,092
1-Sep	0	34,130	34,314	34,580	34,847	35,273	35,356
2-Sep	0	34,581	34,768	35,037	35,309	35,741	35,826
3-Sep	0	35,032	35,222	35,495	35,770	36,209	36,295
4-Sep	0	32,476	32,654	32,910	33,168	33,578	33,659
5-Sep	0	29,725	29,889	30,126	30,365	30,744	30,820
6-Sep	0	32,732	32,911	33,169	33,429	33,842	33,924
7-Sep	0	35,739	35,932	36,211	36,493	36,940	37,028
8-Sep	0	35,543	35,735	36,012	36,292	36,736	36,824
9-Sep	0	35,994	36,189	36,470	36,753	37,204	37,293
10-Sep	3	35,468	35,658	35,933	36,211	36,652	36,739
11-Sep	3	35,166	35,359	35,637	35,916	36,361	36,449
12-Sep	0	35,646	35,846	36,135	36,425	36,886	36,978
13-Sep	0	36,594	36,796	37,089	37,382	37,849	37,942
14-Sep	0	36,896	37,096	37,385	37,676	38,140	38,231
15-Sep	1	35,859	36,052	36,331	36,612	37,060	37,148
16-Sep	3	36,820	37,019	37,306	37,595	38,056	38,146
17-Sep	0	39,466	39,681	39,992	40,305	40,803	40,901
18-Sep	0	36,910	37,113	37,407	37,702	38,172	38,266
19-Sep	2	33,256	33,441	33,708	33,976	34,403	34,488
20-Sep	7	35,692	35,885	36,164	36,444	36,891	36,979
21-Sep	5	40,938	41,162	41,485	41,809	42,326	42,428
22-Sep	0	43,073	43,310	43,653	43,997	44,545	44,654
23-Sep	6	39,575	39,789	40,098	40,410	40,905	41,003
24-Sep	12	64,287	64,651	65,178	65,703	66,542	66,711
25-Sep	1	43,222	43,464	43,814	44,164	44,722	44,834
26-Sep	0	38,021	38,234	38,543	38,852	39,345	39,443

Date	RI HDDd	RI SFT2 plus FT-1 pipeline (excludes FT-1 Storage and Peaking) 2018/19	2019/20	2020/21	2021/22	2022/23	2023/24
27-Sep	1	*36,910*	*37,113*	*37,407*	*37,702*	*38,172*	*38,266*
28-Sep	5	*38,684*	*38,894*	*39,197*	*39,502*	*39,987*	*40,082*
29-Sep	8	*43,186*	*43,421*	*43,760*	*44,101*	*44,644*	*44,751*
30-Sep	13	*72,155*	*72,566*	*73,164*	*73,758*	*74,707*	*74,899*
1-Oct	0	*46,364*	*46,618*	*46,986*	*47,355*	*47,942*	*48,059*
2-Oct	7	*43,357*	*43,597*	*43,943*	*44,291*	*44,844*	*44,954*
3-Oct	9	*46,844*	*47,108*	*47,491*	*47,873*	*48,483*	*48,606*
4-Oct	1	*42,320*	*42,557*	*42,899*	*43,241*	*43,786*	*43,895*
5-Oct	3	*41,780*	*42,009*	*42,340*	*42,672*	*43,202*	*43,307*
6-Oct	0	*42,284*	*42,514*	*42,844*	*43,178*	*43,708*	*43,812*
7-Oct	2	*42,427*	*42,660*	*42,997*	*43,335*	*43,874*	*43,980*
8-Oct	0	*50,152*	*50,429*	*50,830*	*51,232*	*51,873*	*52,000*
9-Oct	14	*73,860*	*74,285*	*74,904*	*75,518*	*76,499*	*76,699*
10-Oct	23	*123,177*	*123,907*	*124,972*	*126,021*	*127,701*	*128,049*
11-Oct	19	*111,396*	*112,050*	*113,003*	*113,944*	*115,450*	*115,760*
12-Oct	16	*100,719*	*101,304*	*102,155*	*102,999*	*104,347*	*104,623*
13-Oct	9	*61,425*	*61,770*	*62,271*	*62,771*	*63,568*	*63,729*
14-Oct	6	*48,142*	*48,408*	*48,793*	*49,179*	*49,794*	*49,916*
15-Oct	5	*43,644*	*43,884*	*44,230*	*44,578*	*45,133*	*45,243*
16-Oct	15	*79,022*	*79,479*	*80,144*	*80,803*	*81,856*	*82,071*
17-Oct	20	*106,337*	*106,964*	*107,878*	*108,781*	*110,225*	*110,523*
18-Oct	19	*110,494*	*111,142*	*112,087*	*113,021*	*114,515*	*114,822*
19-Oct	13	*83,878*	*84,361*	*85,062*	*85,758*	*86,870*	*87,097*
20-Oct	9	*60,072*	*60,409*	*60,898*	*61,386*	*62,165*	*62,321*
21-Oct	12	*71,050*	*71,455*	*72,042*	*72,627*	*73,560*	*73,748*
22-Oct	21	*117,062*	*117,748*	*118,746*	*119,733*	*121,311*	*121,635*
23-Oct	23	*130,242*	*131,011*	*132,133*	*133,239*	*135,010*	*135,376*
24-Oct	23	*132,646*	*133,433*	*134,582*	*135,714*	*137,526*	*137,901*
25-Oct	22	*130,941*	*131,715*	*132,842*	*133,954*	*135,734*	*136,101*
26-Oct	15	*96,909*	*97,471*	*98,288*	*99,098*	*100,393*	*100,657*
27-Oct	16	*98,464*	*99,036*	*99,867*	*100,691*	*102,008*	*102,277*
28-Oct	16	*95,759*	*96,314*	*97,121*	*97,922*	*99,201*	*99,462*
29-Oct	14	*85,885*	*86,379*	*87,099*	*87,813*	*88,953*	*89,186*
30-Oct	7	*47,866*	*48,133*	*48,519*	*48,906*	*49,522*	*49,646*
31-Oct	2	*41,823*	*42,060*	*42,403*	*42,745*	*43,291*	*43,401*
Nov	697	4,094,970	4,112,665	4,137,003	4,172,487	4,207,493	4,263,511
Dec	1,040	6,162,542	6,184,364	6,221,460	6,275,622	6,328,895	6,414,211
Jan	1,250	7,375,304	7,398,128	7,442,845	7,508,188	7,572,351	7,675,151
Feb	1,091	6,458,332	6,478,839	6,517,945	6,575,082	6,631,204	6,721,113
Mar	942	5,616,754	5,637,867	5,671,558	5,720,729	5,769,134	5,846,635
Apr	518	3,094,805	3,114,751	3,141,084	3,167,102	3,208,729	3,217,416
May	228	1,797,673	1,807,838	1,822,582	1,837,280	1,860,737	1,865,466
Jun	48	1,115,132	1,121,235	1,130,053	1,138,912	1,153,023	1,155,814
Jul	3	953,172	958,325	965,760	973,252	985,176	987,518
Aug	2	965,823	971,053	978,601	986,203	998,303	1,000,682
Sep	70	1,163,776	1,170,164	1,179,398	1,188,668	1,203,436	1,206,363
Oct	361	2,406,340	2,420,208	2,440,368	2,460,376	2,492,344	2,498,857
Total	6,250	41,204,625	41,375,437	41,648,656	42,003,902	42,410,825	42,852,736

Tables

National Grid Rhode Island
Comparison of Resources and Requirements
Design Year (Sales and Customer Choice)
(BBtu)

		Design Day with Existing Resources				
		2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
REQUIREMENTS						
Firm Sendout	Valley	66	67	68	68	69
	Providence	304	306	309	312	316
	Warren	11	11	11	11	11
	Westerly	7	7	7	7	7
Fuel Reimbursement		4	5	5	5	5
Underground Storage Refill		0	0	0	0	0
LNG Refill		0	0	0	0	0
TOTAL		393	396	399	403	408
RESOURCES						
TGP	Dawn PNGTS	26	30	30	30	30
	Dawn Iroquois	1	1	1	1	1
	Niagara	1	1	1	1	1
	Zone 4	41	41	41	41	41
	Dracut	0	0	0	0	0
	TGP Citygate	0	0	0	0	0
	Everett Multi Year	20	20	20	0	0
	Everett Swing	0	0	0	0	0
	Storage	11	11	11	11	11
TET/AGT	M2	49	49	49	49	49
	Dominion South Point	1	1	1	1	1
	TCO Appalachia	41	41	41	41	41
	TCO M3	8	8	8	8	8
	Transco Leidy	1	1	1	1	1
	AIM (Ramapo)	8	8	8	8	8
	AIM (Millennium)	9	9	9	9	9
	M3	10	10	10	10	10
	AGT Citygate	0	0	0	0	0
	Storage	29	29	29	29	29
Liquid for Portables and Refill		0	0	0	0	0
LNG From Storage		119	119	119	95	119
Unserved	Valley	2	3	4	14	15
	Providence	15	14	16	53	33
	Warren	1	2	2	2	2
	Westerly	0	0	0	0	0
		19	18	21	69	50
TOTAL		393	396	399	403	408

National Grid Rhode Island
Comparison of Resources and Requirements
Design Year (Sales and Customer Choice)
(BBtu)

		Design Heating Season (Nov-Mar) with Existing Resources				
		2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
REQUIREMENTS						
Firm Sendout	Valley	5,144	5,132	5,177	5,221	5,335
	Providence	23,547	23,493	23,698	23,899	24,423
	Warren	853	851	859	866	885
	Westerly	515	514	518	523	534
Fuel Reimbursement		558	564	566	568	573
Underground Storage Refill		0	0	0	0	0
LNG Refill		0	0	0	0	0
TOTAL		30,618	30,555	30,818	31,077	31,751
RESOURCES						
TGP	Dawn PNGTS	1,631	1,668	1,701	1,730	1,771
	Dawn Iroquois	26	38	38	38	39
	Niagara	164	163	143	139	144
	Zone 4	5,374	5,244	5,371	5,409	5,441
	Dracut	0	0	0	0	0
	TGP Citygate	0	0	0	0	0
	Everett Multi Year	632	651	651	0	0
	Everett Swing	0	0	0	0	0
	Storage	1,334	1,334	1,334	1,334	1,334
TET/AGT	M2	7,309	7,264	7,258	7,260	7,244
	Dominion South Point	83	82	83	83	83
	TCO Appalachia	5,780	5,745	5,754	5,749	5,832
	TCO M3	594	647	612	624	684
	Transco Leidy	190	189	189	189	190
	AIM (Ramapo)	426	456	439	456	504
	AIM (Millennium)	1,364	1,347	1,357	1,369	1,369
	M3	1,082	1,080	1,114	1,147	1,309
	AGT Citygate	0	0	0	0	0
	Storage	2,655	2,661	2,663	2,664	2,678
Liquid for Portables and Refill		0	0	0	0	0
LNG From Storage		753	753	753	753	753
Unserved	Valley	2	3	4	31	36
	Providence	1,217	1,230	1,354	2,101	2,338
	Warren	1	2	2	2	2
	Westerly	0	0	0	0	0
		1,221	1,234	1,359	2,133	2,376
TOTAL		30,618	30,555	30,818	31,077	31,751

National Grid Rhode Island
Comparison of Resources and Requirements
Design Year (Sales and Customer Choice)
(BBtu)

		Design Non-Heating Season (Apr-Oct) with Existing Resources				
		2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
REQUIREMENTS						
Firm Sendout	Valley	1,979	1,995	2,011	2,037	2,042
	Providence	9,058	9,132	9,206	9,323	9,347
	Warren	328	331	334	338	339
	Westerly	198	200	201	204	204
Fuel Reimbursement		390	382	276	262	258
Underground Storage Refill		4,164	4,172	4,171	4,003	4,016
LNG Refill		889	896	898	900	901
TOTAL		17,007	17,108	17,096	17,067	17,107
RESOURCES						
TGP	Dawn PNGTS	15	13	13	14	14
	Dawn Iroquois	185	153	62	62	62
	Niagara	32	1	1	1	1
	Zone 4	3,462	3,504	3,554	3,588	3,596
	Dracut	0	0	0	0	0
	TGP Citygate	0	0	0	0	0
	Everett Multi Year	0	0	0	0	0
	Everett Swing	0	0	0	0	0
	Storage	0	0	0	0	0
TET/AGT	M2	9,426	7,677	2,736	2,561	2,567
	Dominion South Point	38	86	17	0	0
	TCO Appalachia	620	1,179	1,231	1,230	902
	TCO M3	90	84	94	135	148
	Transco Leidy	242	267	267	230	230
	AIM (Ramapo)	40	49	57	62	107
	AIM (Millennium)	835	1,492	456	152	93
	M3	1,198	2,283	8,290	8,881	9,235
	AGT Citygate	0	0	0	0	0
	Storage	174	177	174	5	4
Liquid for Portables and Refill		508	0	0	0	0
LNG From Storage		136	143	145	147	148
Unserved	Valley	0	0	0	0	0
	Providence	6	0	0	0	0
	Warren	0	0	0	0	0
	Westerly	0	0	0	0	0
		6	0	0	0	0
TOTAL		17,007	17,108	17,096	17,067	17,107

National Grid Rhode Island
Comparison of Resources and Requirements
Design Year (Sales and Customer Choice)
(BBtu)

		Design Annual with Existing Resources				
		2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
REQUIREMENTS						
Firm Sendout	Valley	7,123	7,127	7,188	7,258	7,377
	Providence	32,606	32,625	32,904	33,222	33,770
	Warren	1,182	1,182	1,192	1,204	1,224
	Westerly	713	714	720	727	739
Fuel Reimbursement		948	946	842	830	831
Underground Storage Refill		4,164	4,172	4,171	4,003	4,016
LNG Refill		889	896	898	900	901
TOTAL		47,625	47,663	47,915	48,144	48,858
RESOURCES						
TGP	Dawn PNGTS	1,646	1,681	1,714	1,744	1,785
	Dawn Iroquois	211	191	99	99	100
	Niagara	196	164	144	140	145
	Zone 4	8,836	8,748	8,926	8,997	9,037
	Dracut	0	0	0	0	0
	TGP Citygate	0	0	0	0	0
	Everett Multi Year	632	651	651	0	0
	Everett Swing	0	0	0	0	0
	Storage	1,334	1,334	1,334	1,334	1,334
TET/AGT	M2	16,734	14,941	9,994	9,821	9,811
	Dominion South Point	121	168	100	83	83
	TCO Appalachia	6,400	6,925	6,985	6,979	6,734
	TCO M3	684	731	706	759	833
	Transco Leidy	432	456	456	418	419
	AIM (Ramapo)	466	505	496	518	612
	AIM (Millennium)	2,199	2,838	1,812	1,522	1,462
	M3	2,280	3,363	9,404	10,028	10,544
	AGT Citygate	0	0	0	0	0
	Storage	2,830	2,838	2,837	2,668	2,682
Liquid for Portables and Refill		508	0	0	0	0
LNG From Storage		889	896	898	900	901
Unserved	Valley	2	3	4	31	36
	Providence	1,223	1,230	1,354	2,101	2,338
	Warren	1	2	2	2	2
	Westerly	0	0	0	0	0
		1,227	1,234	1,359	2,133	2,376
TOTAL		47,625	47,663	47,915	48,144	48,858

National Grid Rhode Island
Comparison of Resources and Requirements
Cold Snap (Sales and Customer Choice)
(BBtu)

		Cold Snap Heating Season (Nov-Mar) with Existing Resources				
		2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
REQUIREMENTS						
Firm Sendout	Valley	4,620	4,608	4,648	4,687	4,791
	Providence	21,451	21,394	21,580	21,763	22,246
	Warren	752	750	757	763	780
	Westerly	470	469	473	477	487
Fuel Reimbursement		523	526	529	533	539
Underground Storage Refill		0	0	0	0	0
LNG Refill		0	0	0	0	0
TOTAL		27,816	27,747	27,987	28,223	28,844
RESOURCES						
TGP	Dawn PNGTS	1,181	1,193	1,220	1,240	1,319
	Dawn Iroquois	21	39	39	39	39
	Niagara	164	163	138	132	140
	Zone 4	4,643	4,588	4,684	4,751	4,840
	Dracut	0	0	0	0	0
	TGP Citygate	0	0	0	0	0
	Everett Multi Year	632	651	651	0	0
	Everett Swing	0	0	0	0	0
	Storage	1,334	1,334	1,334	1,334	1,334
TET/AGT	M2	7,229	7,160	7,152	7,196	7,161
	Dominion South Point	83	80	83	83	83
	TCO Appalachia	5,640	5,636	5,652	5,588	5,762
	TCO M3	442	459	454	480	537
	Transco Leidy	190	189	189	189	190
	AIM (Ramapo)	282	260	295	343	364
	AIM (Millennium)	1,320	1,302	1,315	1,369	1,334
	M3	723	732	751	789	861
	AGT Citygate	0	0	0	0	0
	Storage	2,660	2,667	2,675	2,636	2,645
Liquid for Portables and Refill		0	0	0	0	0
LNG From Storage		753	753	753	753	753
Unserved	Valley	19	7	9	40	46
	Providence	499	533	591	1,260	1,432
	Warren	1	1	2	2	2
	Westerly	0	0	0	0	0
		519	542	602	1,301	1,480
TOTAL		27,816	27,747	27,987	28,223	28,844

National Grid Rhode Island
Comparison of Resources and Requirements
Cold Snap (Sales and Customer Choice)
(BBtu)

		Cold Snap Non-Heating Season (Apr-Oct) with Existing Resources				
		2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
REQUIREMENTS						
Firm Sendout	Valley	1,826	1,840	1,855	1,879	1,884
	Providence	8,477	8,546	8,614	8,724	8,746
	Warren	297	300	302	306	307
	Westerly	186	187	189	191	192
Fuel Reimbursement		379	370	266	251	244
Underground Storage Refill		4,167	4,173	4,181	3,974	3,985
LNG Refill		887	887	887	887	887
TOTAL		16,219	16,303	16,294	16,211	16,244
RESOURCES						
TGP	Dawn PNGTS	4	6	8	10	11
	Dawn Iroquois	185	153	62	62	62
	Niagara	32	1	1	1	1
	Zone 4	3,260	3,286	3,373	3,391	3,396
	Dracut	0	0	0	0	0
	TGP Citygate	0	0	0	0	0
	Everett Multi Year	0	0	0	0	0
	Everett Swing	0	0	0	0	0
	Storage	0	0	0	0	0
TET/AGT	M2	9,394	7,485	2,734	2,557	2,564
	Dominion South Point	36	85	17	0	0
	TCO Appalachia	484	1,161	1,185	1,152	714
	TCO M3	48	50	55	91	101
	Transco Leidy	238	267	267	230	230
	AIM (Ramapo)	14	18	20	28	52
	AIM (Millennium)	769	1,480	390	86	54
	M3	940	2,005	7,877	8,466	8,921
	AGT Citygate	0	0	0	0	0
	Storage	172	172	172	4	6
Liquid for Portables and Refill		508	0	0	0	0
LNG From Storage		134	134	134	134	134
Unserved	Valley	0	0	0	0	0
	Providence	0	0	0	0	0
	Warren	0	0	0	0	0
	Westerly	0	0	0	0	0
		0	0	0	0	0
TOTAL		16,219	16,303	16,294	16,211	16,244

National Grid Rhode Island
Comparison of Resources and Requirements
Cold Snap (Sales and Customer Choice)
(BBtu)

		Cold Snap Annual with Existing Resources				
		2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
REQUIREMENTS						
Firm Sendout	Valley	6,445	6,448	6,503	6,566	6,674
	Providence	29,928	29,940	30,194	30,486	30,992
	Warren	1,050	1,050	1,059	1,069	1,087
	Westerly	656	656	662	668	679
Fuel Reimbursement		902	896	796	784	783
Underground Storage Refill		4,167	4,173	4,181	3,974	3,985
LNG Refill		887	887	887	887	887
TOTAL		44,035	44,051	44,281	44,434	45,088
RESOURCES						
TGP	Dawn PNGTS	1,185	1,199	1,228	1,250	1,330
	Dawn Iroquois	206	192	100	100	101
	Niagara	196	164	139	133	141
	Zone 4	7,903	7,874	8,057	8,142	8,236
	Dracut	0	0	0	0	0
	TGP Citygate	0	0	0	0	0
	Everett Multi Year	632	651	651	0	0
	Everett Swing	0	0	0	0	0
	Storage	1,334	1,334	1,334	1,334	1,334
TET/AGT	M2	16,623	14,646	9,885	9,753	9,724
	Dominion South Point	118	165	100	83	83
	TCO Appalachia	6,124	6,797	6,838	6,740	6,475
	TCO M3	491	509	509	571	638
	Transco Leidy	428	456	456	418	419
	AIM (Ramapo)	296	278	315	371	416
	AIM (Millennium)	2,089	2,782	1,705	1,456	1,388
	M3	1,663	2,737	8,628	9,255	9,783
	AGT Citygate	0	0	0	0	0
	Storage	2,832	2,839	2,846	2,640	2,651
Liquid for Portables and Refill		508	0	0	0	0
LNG From Storage		887	887	887	887	887
Unserved	Valley	19	7	9	40	46
	Providence	499	533	591	1,260	1,432
	Warren	1	1	2	2	2
	Westerly	0	0	0	0	0
		519	542	602	1,301	1,480
TOTAL		44,035	44,051	44,281	44,434	45,088

National Grid Rhode Island
Comparison of Resources and Requirements
Design Year (Sales and Customer Choice)
(BBtu)

		Design Day with Proposed Resources				
		2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
REQUIREMENTS						
Firm Sendout	Valley	66	67	68	68	69
	Providence	304	306	309	312	316
	Warren	11	11	11	11	11
	Westerly	7	7	7	7	7
Fuel Reimbursement		4	5	5	5	5
Underground Storage Refill		0	0	0	0	0
LNG Refill		0	0	0	0	0
TOTAL		393	396	399	403	408
RESOURCES						
TGP	Dawn PNGTS	26	30	30	30	30
	Dawn Iroquois	1	1	1	1	1
	Niagara	1	1	1	1	1
	Zone 4	41	41	41	41	41
	Dracut	23	17	29	34	35
	TGP Citygate	0	0	0	0	0
	Everett Multi Year	20	20	20	0	0
	Everett Swing	0	0	0	15	20
	Storage	11	11	11	11	11
TET/AGT	M2	49	49	49	49	49
	Dominion South Point	1	1	1	1	1
	TCO Appalachia	41	41	41	41	41
	TCO M3	8	8	8	8	8
	Transco Leidy	1	1	1	1	1
	AIM (Ramapo)	8	8	8	8	8
	AIM (Millennium)	9	9	9	9	9
	M3	10	10	10	10	10
	AGT Citygate	4	2	2	2	0
	Storage	29	29	29	29	29
Liquid for Portables and Refill		0	0	0	0	0
LNG From Storage		111	119	110	113	112
Unserved	Valley	0	0	0	0	0
	Providence	0	0	0	0	0
	Warren	0	0	0	0	2
	Westerly	0	0	0	0	0
		0	0	0	0	2
TOTAL		393	396	399	403	408

National Grid Rhode Island
Comparison of Resources and Requirements
Design Year (Sales and Customer Choice)
(BBtu)

		Design Heating Season (Nov-Mar) with Proposed Resources				
		2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
REQUIREMENTS						
Firm Sendout	Valley	5,144	5,132	5,177	5,221	5,335
	Providence	23,547	23,493	23,698	23,899	24,423
	Warren	853	851	859	866	885
	Westerly	515	514	518	523	534
Fuel Reimbursement		569	582	584	586	593
Underground Storage Refill		0	0	0	0	0
LNG Refill		90	90	14	14	0
TOTAL		30,719	30,663	30,850	31,109	31,771
RESOURCES						
TGP	Dawn PNGTS	2,278	2,462	2,497	2,483	2,562
	Dawn Iroquois	81	101	103	103	105
	Niagara	164	163	143	139	144
	Zone 4	5,362	5,237	5,365	5,403	5,435
	Dracut	472	283	464	628	715
	TGP Citygate	0	0	0	0	0
	Everett Multi Year	632	651	651	0	0
	Everett Swing	46	50	56	614	869
	Storage	1,334	1,334	1,334	1,334	1,334
TET/AGT	M2	7,302	7,259	7,255	7,259	7,243
	Dominion South Point	83	82	83	83	83
	TCO Appalachia	5,780	5,745	5,754	5,745	5,832
	TCO M3	486	551	519	531	595
	Transco Leidy	190	189	189	189	190
	AIM (Ramapo)	367	386	366	391	442
	AIM (Millennium)	1,364	1,345	1,355	1,369	1,366
	M3	986	977	1,006	1,069	1,203
	AGT Citygate	172	224	240	295	0
	Storage	2,677	2,681	2,681	2,683	2,688
Liquid for Portables and Refill		100	100	24	24	0
LNG From Storage		843	843	767	767	753
Unserved	Valley	0	0	0	0	0
	Providence	0	0	0	0	211
	Warren	0	0	0	0	2
	Westerly	0	0	0	0	0
		0	0	0	0	213
TOTAL		30,719	30,663	30,850	31,109	31,771

National Grid Rhode Island
Comparison of Resources and Requirements
Design Year (Sales and Customer Choice)
(BBtu)

		Design Non-Heating Season (Apr-Oct) with Proposed Resources				
		2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
REQUIREMENTS						
Firm Sendout	Valley	1,979	1,995	2,011	2,037	2,042
	Providence	9,058	9,132	9,206	9,323	9,347
	Warren	328	331	334	338	339
	Westerly	198	200	201	204	204
Fuel Reimbursement		390	381	276	261	256
Underground Storage Refill		4,183	4,188	4,188	4,021	4,025
LNG Refill		887	887	887	887	887
TOTAL		17,025	17,114	17,103	17,071	17,101
RESOURCES						
TGP	Dawn PNGTS	21	23	25	28	28
	Dawn Iroquois	185	153	62	62	62
	Niagara	32	1	1	1	1
	Zone 4	3,463	3,497	3,550	3,574	3,580
	Dracut	0	0	0	0	0
	TGP Citygate	0	0	0	0	0
	Everett Multi Year	0	0	0	0	0
	Everett Swing	0	0	0	0	0
	Storage	0	0	0	0	0
TET/AGT	M2	9,426	7,676	2,736	2,561	2,566
	Dominion South Point	38	86	17	0	0
	TCO Appalachia	639	1,196	1,250	1,256	912
	TCO M3	90	84	94	135	148
	Transco Leidy	242	267	267	230	230
	AIM (Ramapo)	40	46	50	62	107
	AIM (Millennium)	835	1,492	456	148	93
	M3	1,198	2,287	8,290	8,878	9,235
	AGT Citygate	0	0	0	0	0
	Storage	173	173	173	3	3
Liquid for Portables and Refill		508	0	0	0	0
LNG From Storage		134	134	134	134	134
Unserved	Valley	0	0	0	0	0
	Providence	0	0	0	0	0
	Warren	0	0	0	0	0
	Westerly	0	0	0	0	0
		0	0	0	0	0
TOTAL		17,025	17,114	17,103	17,071	17,101

National Grid Rhode Island
Comparison of Resources and Requirements
Design Year (Sales and Customer Choice)
(BBtu)

		Design Annual with Proposed Resources				
		2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
REQUIREMENTS						
Firm Sendout	Valley	7,123	7,127	7,188	7,258	7,377
	Providence	32,606	32,625	32,904	33,222	33,770
	Warren	1,182	1,182	1,192	1,204	1,224
	Westerly	713	714	720	727	739
Fuel Reimbursement		960	963	860	847	849
Underground Storage Refill		4,183	4,188	4,188	4,021	4,025
LNG Refill		977	977	901	901	887
TOTAL		47,744	47,777	47,953	48,180	48,872
RESOURCES						
TGP	Dawn PNGTS	2,299	2,485	2,521	2,511	2,590
	Dawn Iroquois	266	254	164	165	167
	Niagara	196	164	144	140	145
	Zone 4	8,826	8,734	8,914	8,976	9,015
	Dracut	472	283	464	628	715
	TGP Citygate	0	0	0	0	0
	Everett Multi Year	632	651	651	0	0
	Everett Swing	46	50	56	614	869
	Storage	1,334	1,334	1,334	1,334	1,334
TET/AGT	M2	16,727	14,935	9,991	9,821	9,809
	Dominion South Point	121	168	100	83	83
	TCO Appalachia	6,420	6,941	7,003	7,001	6,744
	TCO M3	575	635	612	666	743
	Transco Leidy	432	456	456	418	419
	AIM (Ramapo)	407	431	416	453	549
	AIM (Millennium)	2,199	2,837	1,811	1,517	1,459
	M3	2,185	3,264	9,296	9,946	10,438
	AGT Citygate	172	224	240	295	0
	Storage	2,849	2,853	2,854	2,687	2,691
Liquid for Portables and Refill		608	100	24	24	0
LNG From Storage		977	977	901	901	887
Unserved	Valley	0	0	0	0	0
	Providence	0	0	0	0	211
	Warren	0	0	0	0	2
	Westerly	0	0	0	0	0
		0	0	0	0	213
TOTAL		47,744	47,777	47,953	48,180	48,872

National Grid Rhode Island
Comparison of Resources and Requirements
Normal Year (Sales and Customer Choice)
(BBtu)

		Normal Heating Season (Nov-Mar) with Proposed Resources				
		2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
REQUIREMENTS						
Firm Sendout	Valley	4,410	4,400	4,438	4,476	4,573
	Providence	20,476	20,431	20,607	20,781	21,233
	Warren	718	717	723	729	745
	Westerly	449	448	451	455	465
Fuel Reimbursement		518	526	529	538	548
Underground Storage Refill		0	0	0	0	0
LNG Refill		0	0	0	14	0
TOTAL		26,570	26,521	26,749	26,994	27,563
RESOURCES						
TGP	Dawn PNGTS	1,567	1,697	1,744	1,779	1,903
	Dawn Iroquois	53	71	75	76	80
	Niagara	164	163	138	132	140
	Zone 4	4,633	4,535	4,617	4,711	4,811
	Dracut	233	0	0	13	15
	TGP Citygate	0	0	0	0	0
	Everett Multi Year	501	546	592	0	0
	Everett Swing	0	0	0	6	11
	Storage	1,334	1,334	1,334	1,334	1,334
TET/AGT	M2	7,219	7,153	7,150	7,185	7,151
	Dominion South Point	83	80	83	83	83
	TCO Appalachia	5,638	5,636	5,652	5,583	5,762
	TCO M3	80	127	118	260	379
	Transco Leidy	190	189	189	189	190
	AIM (Ramapo)	34	41	42	130	191
	AIM (Millennium)	1,322	1,304	1,319	1,369	1,333
	M3	415	437	453	668	738
	AGT Citygate	0	0	0	0	0
	Storage	2,688	2,690	2,690	2,686	2,689
Liquid for Portables and Refill		0	0	0	24	0
LNG From Storage		416	520	554	767	753
Unserved	Valley	0	0	0	0	0
	Providence	0	0	0	0	0
	Warren	0	0	0	0	0
	Westerly	0	0	0	0	0
		0	0	0	0	0
TOTAL		26,570	26,521	26,749	26,994	27,563

National Grid Rhode Island
Comparison of Resources and Requirements
Normal Year (Sales and Customer Choice)
(BBtu)

		Normal Non-Heating Season (Apr-Oct) with Proposed Resources				
		2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
REQUIREMENTS						
Firm Sendout	Valley	1,826	1,840	1,855	1,879	1,884
	Providence	8,477	8,546	8,614	8,724	8,746
	Warren	297	300	302	306	307
	Westerly	186	187	189	191	192
Fuel Reimbursement		329	343	234	252	245
Underground Storage Refill		4,191	4,195	4,194	4,022	4,026
LNG Refill		551	654	688	887	887
TOTAL		15,857	16,065	16,077	16,260	16,286
RESOURCES						
TGP	Dawn PNGTS	6	6	8	11	11
	Dawn Iroquois	185	153	62	62	62
	Niagara	32	1	1	1	1
	Zone 4	2,903	3,097	3,146	3,391	3,396
	Dracut	0	0	0	0	0
	TGP Citygate	0	0	0	0	0
	Everett Multi Year	0	0	0	0	0
	Everett Swing	0	0	0	0	0
	Storage	0	0	0	0	0
TET/AGT	M2	9,396	7,436	2,736	2,561	2,566
	Dominion South Point	36	85	17	0	0
	TCO Appalachia	508	1,176	1,196	1,197	753
	TCO M3	49	50	55	91	101
	Transco Leidy	238	267	267	230	230
	AIM (Ramapo)	15	18	21	29	55
	AIM (Millennium)	769	1,479	387	86	54
	M3	940	1,992	7,878	8,466	8,921
	AGT Citygate	0	0	0	0	0
	Storage	169	171	170	2	2
Liquid for Portables and Refill		478	0	0	0	0
LNG From Storage		134	134	134	134	134
Unserved	Valley	0	0	0	0	0
	Providence	0	0	0	0	0
	Warren	0	0	0	0	0
	Westerly	0	0	0	0	0
		0	0	0	0	0
TOTAL		15,857	16,065	16,077	16,260	16,286

National Grid Rhode Island
Comparison of Resources and Requirements
Normal Year (Sales and Customer Choice)
(BBtu)

		Normal Annual with Proposed Resources				
		2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
REQUIREMENTS						
Firm Sendout	Valley	6,235	6,240	6,293	6,354	6,456
	Providence	28,953	28,977	29,222	29,505	29,978
	Warren	1,016	1,016	1,025	1,035	1,051
	Westerly	634	635	640	646	657
Fuel Reimbursement		847	869	763	790	793
Underground Storage Refill		4,191	4,195	4,194	4,022	4,026
LNG Refill		551	654	688	901	887
TOTAL		42,427	42,586	42,826	43,254	43,849
RESOURCES						
TGP	Dawn PNGTS	1,573	1,703	1,752	1,789	1,914
	Dawn Iroquois	238	225	136	137	142
	Niagara	196	164	139	133	141
	Zone 4	7,536	7,632	7,763	8,103	8,207
	Dracut	233	0	0	13	15
	TGP Citygate	0	0	0	0	0
	Everett Multi Year	501	546	592	0	0
	Everett Swing	0	0	0	6	11
	Storage	1,334	1,334	1,334	1,334	1,334
TET/AGT	M2	16,615	14,588	9,886	9,746	9,718
	Dominion South Point	118	165	100	83	83
	TCO Appalachia	6,146	6,812	6,848	6,780	6,514
	TCO M3	129	177	173	351	480
	Transco Leidy	428	456	456	418	419
	AIM (Ramapo)	49	58	63	159	245
	AIM (Millennium)	2,091	2,783	1,706	1,456	1,387
	M3	1,355	2,429	8,331	9,134	9,660
	AGT Citygate	0	0	0	0	0
	Storage	2,857	2,861	2,860	2,688	2,692
Liquid for Portables and Refill		478	0	0	24	0
LNG From Storage		551	654	688	901	887
Unserved	Valley	0	0	0	0	0
	Providence	0	0	0	0	0
	Warren	0	0	0	0	0
	Westerly	0	0	0	0	0
		0	0	0	0	0
TOTAL		42,427	42,586	42,826	43,254	43,849

National Grid Rhode Island
Comparison of Resources and Requirements
Cold Snap (Sales and Customer Choice)
(BBtu)

		Cold Snap Heating Season (Nov-Mar) with Proposed Resources				
		2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
REQUIREMENTS						
Firm Sendout	Valley	4,620	4,608	4,648	4,687	4,791
	Providence	21,451	21,394	21,580	21,763	22,246
	Warren	752	750	757	763	780
	Westerly	470	469	473	477	487
Fuel Reimbursement		528	536	539	547	554
Underground Storage Refill		0	0	0	0	0
LNG Refill		82	82	24	24	0
TOTAL		27,904	27,839	28,020	28,260	28,859
RESOURCES						
TGP	Dawn PNGTS	1,682	1,774	1,844	1,861	1,996
	Dawn Iroquois	58	76	80	79	83
	Niagara	164	163	138	132	140
	Zone 4	4,646	4,581	4,674	4,731	4,825
	Dracut	242	181	242	397	448
	TGP Citygate	0	0	0	0	0
	Everett Multi Year	632	651	651	0	0
	Everett Swing	0	0	0	291	449
	Storage	1,334	1,334	1,334	1,334	1,334
TET/AGT	M2	7,228	7,154	7,151	7,192	7,155
	Dominion South Point	83	80	83	83	83
	TCO Appalachia	5,640	5,636	5,652	5,583	5,762
	TCO M3	250	285	279	362	414
	Transco Leidy	190	189	189	189	190
	AIM (Ramapo)	173	159	175	261	287
	AIM (Millennium)	1,320	1,304	1,316	1,369	1,333
	M3	633	610	612	724	790
	AGT Citygate	16	38	114	188	0
	Storage	2,679	2,690	2,685	2,686	2,684
Liquid for Portables and Refill		100	100	24	24	0
LNG From Storage		835	835	777	777	753
Unserved	Valley	0	0	0	0	0
	Providence	0	0	0	0	131
	Warren	0	0	0	0	2
	Westerly	0	0	0	0	0
		0	0	0	0	133
TOTAL		27,904	27,839	28,020	28,260	28,859

National Grid Rhode Island
Comparison of Resources and Requirements
Cold Snap (Sales and Customer Choice)
(BBtu)

		Cold Snap Non-Heating Season (Apr-Oct) with Proposed Resources				
		2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
REQUIREMENTS						
Firm Sendout	Valley	1,826	1,840	1,855	1,879	1,884
	Providence	8,477	8,546	8,614	8,724	8,746
	Warren	297	300	302	306	307
	Westerly	186	187	189	191	192
Fuel Reimbursement		379	371	266	252	245
Underground Storage Refill		4,184	4,195	4,191	4,022	4,021
LNG Refill		887	887	887	887	887
TOTAL		16,237	16,326	16,305	16,260	16,281
RESOURCES						
TGP	Dawn PNGTS	5	6	8	11	11
	Dawn Iroquois	185	153	62	62	62
	Niagara	32	1	1	1	1
	Zone 4	3,260	3,286	3,373	3,391	3,396
	Dracut	0	0	0	0	0
	TGP Citygate	0	0	0	0	0
	Everett Multi Year	0	0	0	0	0
	Everett Swing	0	0	0	0	0
	Storage	0	0	0	0	0
TET/AGT	M2	9,396	7,492	2,735	2,561	2,566
	Dominion South Point	36	85	17	0	0
	TCO Appalachia	501	1,177	1,194	1,197	747
	TCO M3	49	50	55	91	101
	Transco Leidy	238	267	267	230	230
	AIM (Ramapo)	14	18	20	29	55
	AIM (Millennium)	769	1,480	390	86	54
	M3	940	2,005	7,877	8,466	8,921
	AGT Citygate	0	0	0	0	0
	Storage	171	171	171	2	2
Liquid for Portables and Refill		508	0	0	0	0
LNG From Storage		134	134	134	134	134
Unserved	Valley	0	0	0	0	0
	Providence	0	0	0	0	0
	Warren	0	0	0	0	0
	Westerly	0	0	0	0	0
		0	0	0	0	0
TOTAL		16,237	16,326	16,305	16,260	16,281

National Grid Rhode Island
Comparison of Resources and Requirements
Cold Snap (Sales and Customer Choice)
(BBtu)

		Cold Snap Annual with Proposed Resources				
		2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
REQUIREMENTS						
Firm Sendout	Valley	6,445	6,448	6,503	6,566	6,674
	Providence	29,928	29,940	30,194	30,486	30,992
	Warren	1,050	1,050	1,059	1,069	1,087
	Westerly	656	656	662	668	679
Fuel Reimbursement		907	906	806	798	799
Underground Storage Refill		4,184	4,195	4,191	4,022	4,021
LNG Refill		970	970	911	911	887
TOTAL		44,140	44,165	44,325	44,521	45,140
RESOURCES						
TGP	Dawn PNGTS	1,686	1,781	1,852	1,871	2,007
	Dawn Iroquois	243	229	141	140	145
	Niagara	196	164	139	133	141
	Zone 4	7,906	7,867	8,048	8,122	8,220
	Dracut	242	181	242	397	448
	TGP Citygate	0	0	0	0	0
	Everett Multi Year	632	651	651	0	0
	Everett Swing	0	0	0	291	449
	Storage	1,334	1,334	1,334	1,334	1,334
TET/AGT	M2	16,624	14,646	9,886	9,753	9,721
	Dominion South Point	118	165	100	83	83
	TCO Appalachia	6,141	6,814	6,846	6,780	6,509
	TCO M3	298	335	333	453	515
	Transco Leidy	428	456	456	418	419
	AIM (Ramapo)	187	177	195	290	342
	AIM (Millennium)	2,090	2,784	1,706	1,456	1,387
	M3	1,572	2,614	8,489	9,189	9,711
	AGT Citygate	16	38	114	188	0
	Storage	2,850	2,861	2,857	2,688	2,686
Liquid for Portables and Refill		608	100	24	24	0
LNG From Storage		970	970	911	911	887
Unserved	Valley	0	0	0	0	0
	Providence	0	0	0	0	131
	Warren	0	0	0	0	2
	Westerly	0	0	0	0	0
		0	0	0	0	133
TOTAL		44,140	44,165	44,325	44,521	45,140

National Grid Rhode Island
Comparison of Resources and Requirements
Design Year (Sales Only)
(BBtu)

		Design Day with Proposed Resources				
		2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
REQUIREMENTS						
Firm Sendout	Valley	55	56	56	57	58
	Providence	254	256	259	261	265
	Warren	9	9	9	9	10
	Westerly	6	6	6	6	6
Fuel Reimbursement		4	4	4	4	4
Underground Storage Refill		0	0	0	0	0
LNG Refill		0	0	0	0	0
TOTAL		328	331	334	337	343
RESOURCES						
TGP	Dawn PNGTS	26	30	30	30	30
	Dawn Iroquois	1	1	1	1	1
	Niagara	1	1	1	1	1
	Zone 4	32	32	32	32	32
	Dracut	23	14	19	24	25
	TGP Citygate	0	0	0	0	0
	Everett Multi Year	18	20	20	0	0
	Everett Swing	0	0	0	15	20
	Storage	10	10	10	10	10
TET/AGT	M2	29	29	29	29	29
	Dominion South Point	1	1	1	1	1
	TCO Appalachia	38	38	38	38	38
	TCO M3	7	7	7	7	7
	Transco Leidy	1	1	1	1	1
	AIM (Ramapo)	7	7	7	7	7
	AIM (Millennium)	9	9	9	9	9
	M3	7	7	7	7	7
	AGT Citygate	0	0	14	2	0
	Storage	25	25	25	25	25
Liquid for Portables and Refill		0	0	0	0	0
LNG From Storage		93	99	83	99	99
Unserved	Valley	0	0	0	0	0
	Providence	0	0	0	0	0
	Warren	0	0	0	0	0
	Westerly	0	0	0	0	0
		0	0	0	0	0
TOTAL		328	331	334	337	343

National Grid Rhode Island
Comparison of Resources and Requirements
Design Year (Sales Only)
(BBtu)

		Design Heating Season (Nov-Mar) with Proposed Resources				
		2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
REQUIREMENTS						
Firm Sendout	Valley	4,120	4,115	4,159	4,201	4,303
	Providence	18,861	18,837	19,036	19,230	19,699
	Warren	684	683	690	697	714
	Westerly	413	412	416	421	431
Fuel Reimbursement		458	473	475	477	483
Underground Storage Refill		0	0	0	0	0
LNG Refill		90	90	14	14	0
TOTAL		24,625	24,610	24,790	25,039	25,631
RESOURCES						
TGP	Dawn PNGTS	2,411	2,571	2,607	2,589	2,651
	Dawn Iroquois	58	85	86	87	90
	Niagara	164	163	138	128	140
	Zone 4	3,872	3,709	3,813	3,900	3,899
	Dracut	262	91	134	268	304
	TGP Citygate	0	0	0	0	0
	Everett Multi Year	632	651	651	0	0
	Everett Swing	16	25	61	648	923
	Storage	1,187	1,259	1,259	1,214	1,259
TET/AGT	M2	4,386	4,363	4,357	4,357	4,323
	Dominion South Point	83	82	83	83	83
	TCO Appalachia	5,453	5,420	5,427	5,427	5,489
	TCO M3	472	520	507	521	576
	Transco Leidy	190	188	188	188	190
	AIM (Ramapo)	313	324	314	346	383
	AIM (Millennium)	1,370	1,351	1,360	1,369	1,373
	M3	687	702	733	793	938
	AGT Citygate	123	158	274	323	0
	Storage	2,163	2,163	2,167	2,166	2,168
Liquid for Portables and Refill		100	100	24	24	0
LNG From Storage		684	684	608	608	594
Unserved	Valley	0	0	0	0	0
	Providence	0	0	0	0	248
	Warren	0	0	0	0	0
	Westerly	0	0	0	0	0
		0	0	0	0	248
TOTAL		24,625	24,610	24,790	25,039	25,631

National Grid Rhode Island
Comparison of Resources and Requirements
Design Year (Sales Only)
(BBtu)

		Design Non-Heating Season (Apr-Oct) with Proposed Resources				
		2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
REQUIREMENTS						
Firm Sendout	Valley	1,393	1,407	1,420	1,441	1,446
	Providence	6,378	6,440	6,499	6,594	6,618
	Warren	231	233	236	239	240
	Westerly	140	141	142	144	145
Fuel Reimbursement		268	275	208	200	197
Underground Storage Refill		3,421	3,493	3,497	3,434	3,481
LNG Refill		709	709	709	709	709
TOTAL		12,540	12,698	12,710	12,762	12,836
RESOURCES						
TGP	Dawn PNGTS	19	21	22	26	28
	Dawn Iroquois	185	153	62	62	62
	Niagara	32	0	0	0	0
	Zone 4	2,490	2,664	2,728	2,708	2,761
	Dracut	0	0	0	0	0
	TGP Citygate	0	0	0	0	0
	Everett Multi Year	0	0	0	0	0
	Everett Swing	0	0	0	0	0
	Storage	0	0	0	0	0
TET/AGT	M2	5,742	4,700	2,099	2,082	2,083
	Dominion South Point	46	82	17	0	0
	TCO Appalachia	690	1,118	1,160	1,162	896
	TCO M3	98	103	112	158	172
	Transco Leidy	193	267	267	230	230
	AIM (Ramapo)	44	42	46	53	101
	AIM (Millennium)	1,137	1,547	489	174	116
	M3	1,171	1,816	5,523	5,938	6,219
	AGT Citygate	0	0	0	0	0
	Storage	70	71	70	54	54
Liquid for Portables and Refill		508	0	0	0	0
LNG From Storage		115	115	115	115	115
Unserved	Valley	0	0	0	0	0
	Providence	0	0	0	0	0
	Warren	0	0	0	0	0
	Westerly	0	0	0	0	0
		0	0	0	0	0
TOTAL		12,540	12,698	12,710	12,762	12,836

National Grid Rhode Island
Comparison of Resources and Requirements
Design Year (Sales Only)
(BBtu)

		Design Annual with Proposed Resources				
		2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
REQUIREMENTS						
Firm Sendout	Valley	5,513	5,522	5,578	5,641	5,749
	Providence	25,238	25,277	25,535	25,824	26,317
	Warren	915	916	925	936	954
	Westerly	552	553	559	565	576
Fuel Reimbursement		726	748	683	677	680
Underground Storage Refill		3,421	3,493	3,497	3,434	3,481
LNG Refill		799	799	723	723	709
TOTAL		37,166	37,308	37,500	37,801	38,467
RESOURCES						
TGP	Dawn PNGTS	2,430	2,592	2,629	2,616	2,679
	Dawn Iroquois	243	238	148	149	152
	Niagara	196	163	138	128	140
	Zone 4	6,362	6,373	6,542	6,608	6,660
	Dracut	262	91	134	268	304
	TGP Citygate	0	0	0	0	0
	Everett Multi Year	632	651	651	0	0
	Everett Swing	16	25	61	648	923
	Storage	1,187	1,259	1,259	1,214	1,259
TET/AGT	M2	10,128	9,062	6,455	6,439	6,406
	Dominion South Point	129	164	100	83	83
	TCO Appalachia	6,143	6,538	6,586	6,589	6,386
	TCO M3	569	623	620	679	748
	Transco Leidy	383	456	456	418	419
	AIM (Ramapo)	357	366	360	399	484
	AIM (Millennium)	2,506	2,898	1,848	1,543	1,488
	M3	1,857	2,518	6,255	6,731	7,157
	AGT Citygate	123	158	274	323	0
	Storage	2,234	2,234	2,237	2,220	2,222
Liquid for Portables and Refill		608	100	24	24	0
LNG From Storage		799	799	723	723	709
Unserved	Valley	0	0	0	0	0
	Providence	0	0	0	0	248
	Warren	0	0	0	0	0
	Westerly	0	0	0	0	0
		0	0	0	0	248
TOTAL		37,166	37,308	37,500	37,801	38,467

National Grid Rhode Island
Comparison of Resources and Requirements
Normal Year (Sales Only)
(BBtu)

		Normal Heating Season (Nov-Mar) with Proposed Resources				
		2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
REQUIREMENTS						
Firm Sendout	Valley	3,501	3,497	3,534	3,570	3,656
	Providence	16,256	16,238	16,409	16,576	16,978
	Warren	570	570	576	581	596
	Westerly	356	356	360	363	372
Fuel Reimbursement		410	422	425	434	443
Underground Storage Refill		0	0	0	0	0
LNG Refill		0	0	0	14	0
TOTAL		21,093	21,082	21,304	21,539	22,046
RESOURCES						
TGP	Dawn PNGTS	1,591	1,727	1,779	1,883	2,030
	Dawn Iroquois	6	49	50	52	57
	Niagara	164	163	133	114	136
	Zone 4	3,305	3,187	3,274	3,356	3,388
	Dracut	233	0	0	0	1
	TGP Citygate	0	0	0	0	0
	Everett Multi Year	352	417	456	0	0
	Everett Swing	0	0	0	11	16
	Storage	1,187	1,259	1,259	1,214	1,259
TET/AGT	M2	4,323	4,271	4,283	4,295	4,277
	Dominion South Point	83	81	83	83	83
	TCO Appalachia	5,367	5,353	5,361	5,322	5,435
	TCO M3	70	126	124	288	378
	Transco Leidy	190	188	189	189	190
	AIM (Ramapo)	29	32	34	115	185
	AIM (Millennium)	1,336	1,325	1,336	1,369	1,347
	M3	341	352	364	442	495
	AGT Citygate	0	0	0	0	0
	Storage	2,176	2,176	2,176	2,173	2,173
Liquid for Portables and Refill		0	0	0	24	0
LNG From Storage		342	376	403	608	594
Unserved	Valley	0	0	0	0	0
	Providence	0	0	0	0	0
	Warren	0	0	0	0	0
	Westerly	0	0	0	0	0
		0	0	0	0	0
TOTAL		21,093	21,082	21,304	21,539	22,046

National Grid Rhode Island
Comparison of Resources and Requirements
Normal Year (Sales Only)
(BBtu)

		Normal Non-Heating Season (Apr-Oct) with Proposed Resources				
		2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
REQUIREMENTS						
Firm Sendout	Valley	1,275	1,287	1,299	1,318	1,323
	Providence	5,920	5,977	6,032	6,120	6,142
	Warren	208	210	212	215	215
	Westerly	130	131	132	134	135
Fuel Reimbursement		238	241	176	192	188
Underground Storage Refill		3,430	3,503	3,503	3,439	3,484
LNG Refill		457	491	518	709	709
TOTAL		11,658	11,840	11,872	12,128	12,197
RESOURCES						
TGP	Dawn PNGTS	9	10	11	13	14
	Dawn Iroquois	185	153	62	62	62
	Niagara	32	0	0	0	0
	Zone 4	2,185	2,339	2,423	2,562	2,613
	Dracut	0	0	0	0	0
	TGP Citygate	0	0	0	0	0
	Everett Multi Year	0	0	0	0	0
	Everett Swing	0	0	0	0	0
	Storage	0	0	0	0	0
TET/AGT	M2	5,744	4,498	2,099	2,082	2,084
	Dominion South Point	44	82	17	0	0
	TCO Appalachia	570	1,088	1,107	1,113	763
	TCO M3	56	58	64	111	122
	Transco Leidy	187	267	267	230	230
	AIM (Ramapo)	19	20	22	25	61
	AIM (Millennium)	1,092	1,526	434	119	75
	M3	965	1,615	5,184	5,645	6,006
	AGT Citygate	0	0	0	0	0
	Storage	67	68	68	52	52
Liquid for Portables and Refill		387	0	0	0	0
LNG From Storage		115	115	115	115	115
Unserved	Valley	0	0	0	0	0
	Providence	0	0	0	0	0
	Warren	0	0	0	0	0
	Westerly	0	0	0	0	0
		0	0	0	0	0
TOTAL		11,658	11,840	11,872	12,128	12,197

National Grid Rhode Island
Comparison of Resources and Requirements
Normal Year (Sales Only)
(BBtu)

		Normal Annual with Proposed Resources				
		2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
REQUIREMENTS						
Firm Sendout	Valley	4,776	4,784	4,833	4,888	4,979
	Providence	22,176	22,215	22,441	22,697	23,120
	Warren	778	779	787	796	811
	Westerly	486	487	492	497	507
Fuel Reimbursement		648	663	602	626	632
Underground Storage Refill		3,430	3,503	3,503	3,439	3,484
LNG Refill		457	491	518	723	709
TOTAL		32,751	32,922	33,176	33,667	34,242
RESOURCES						
TGP	Dawn PNGTS	1,600	1,737	1,790	1,896	2,044
	Dawn Iroquois	191	202	112	114	119
	Niagara	196	163	133	114	136
	Zone 4	5,490	5,526	5,696	5,918	6,001
	Dracut	233	0	0	0	1
	TGP Citygate	0	0	0	0	0
	Everett Multi Year	352	417	456	0	0
	Everett Swing	0	0	0	11	16
	Storage	1,187	1,259	1,259	1,214	1,259
TET/AGT	M2	10,066	8,770	6,382	6,377	6,361
	Dominion South Point	126	162	100	83	83
	TCO Appalachia	5,937	6,441	6,468	6,435	6,199
	TCO M3	126	184	188	399	501
	Transco Leidy	377	456	456	418	419
	AIM (Ramapo)	48	52	56	140	246
	AIM (Millennium)	2,428	2,852	1,769	1,488	1,422
	M3	1,306	1,967	5,548	6,087	6,501
	AGT Citygate	0	0	0	0	0
	Storage	2,243	2,244	2,244	2,225	2,225
Liquid for Portables and Refill		387	0	0	24	0
LNG From Storage		457	491	518	723	709
Unserved	Valley	0	0	0	0	0
	Providence	0	0	0	0	0
	Warren	0	0	0	0	0
	Westerly	0	0	0	0	0
		0	0	0	0	0
TOTAL		32,751	32,922	33,176	33,667	34,242

National Grid Rhode Island
SCC Adj FT1
Fixed Cost per Dth per Day by Contract
Existing Assets

	Dollars per Dth per Day				
Gas Year	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
Contract Number					
501	0.000396942	0.000398814	0.000398814	0.000398814	0.000396942
1597	0.001887195	0.001892366	0.001892366	0.001892366	0.001887195
9001	0.000966126	0.000968773	0.000968773	0.000968773	0.000966126
9630	0.000587928	0.000590701	0.000590701	0.000590701	0.000587928
9631	0.000590972	0.000592591	0.000592591	0.000592591	0.000590972
10807	0.000716434	0.000718397	0.000718397	0.000718397	0.000716434
31520	0.000605345	0.000607003	0.000607003	0.000607003	0.000605345
31522	0.000605345	0.000607003	0.000607003	0.000607003	0.000605345
31523	0.000605345	0.000607003	0.000607003	0.000607003	0.000605345
31524	0.000605345	0.000607003	0.000607003	0.000607003	0.000605345
39173	0.000629239	0.000630963	0.000630963	0.000630963	0.000629239
42386	0.000735917	0.000737934	0.000737934	0.000737934	0.000735917
50001	0.000503005	0.000504383	0.000504383	0.000504383	0.000503005
58577	0.001212468	0.00121579	0.00121579	0.00121579	0.001212468
62918	0.000289068	0.000290431	0.000290431	0.000290431	0.000289068
62930	0.000417076	0.000418219	0.000418219	0.000418219	0.000417076
64025	0.002043863	0.002049462	0.002049462	0.002049462	0.002043863
64026	0.002043863	0.002049462	0.002049462	0.002049462	0.002043863
90106	0.000590469	0.000592087	0.000592087	0.000592087	0.000590469
90107	0.001421788	0.001431204	0.001431204	0.001431204	0.001421788
95345	0.000629239	0.000630963	0.000630963	0.000630963	0.000629239
100118	0.000374956	0.000375983	0.000375983	0.000375983	0.000374956
210203	0.00204918	0.002054795	0.002054795	0.002054795	0.00204918
214129	0.001716937	0.001721641	0.001721641	0.001721641	0.001716937
300168	0.000534313	0.000536833	0.000536833	0.000536833	0.000534313
300169	0.000512028	0.000514443	0.000514443	0.000514443	0.000512028
300170	0.000494347	0.000496679	0.000496679	0.000496679	0.000494347
300171	0.000449695	0.000451816	0.000451816	0.000451816	0.000449695
330580	0.000417076	0.000418219	0.000418219	0.000418219	0.000417076
330581	0.000417076	0.000418219	0.000418219	0.000418219	0.000417076
330844	0.000480665	0.000481982	0.000481982	0.000481982	0.000480665
330845	0.000480665	0.000481982	0.000481982	0.000481982	0.000480665
330867	0.000465304	0.000466579	0.000466579	0.000466579	0.000465304
330870	0.000465304	0.000466579	0.000466579	0.000466579	0.000465304
330907	0.000465304	0.000466579	0.000466579	0.000466579	0.000465304
331722	0.000590703	0.000592321	0.000592321	0.000592321	0.000590703
331801	0.000616573	0.000618262	0.000618262	0.000618262	0.000616573
331802	0.000616573	0.000618262	0.000618262	0.000618262	0.000616573
331819	0.000616573	0.000618262	0.000618262	0.000618262	0.000616573

National Grid Rhode Island
SCC Adj FT1
Fixed Cost per Dth per Day by Contract
Existing Assets

	Dollars per Dth per Day				
Gas Year	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
Contract Number					
400185	0.000974323	0.000978919	0.000978919	0.000978919	0.000974323
400221	0.000984063	0.000988705	0.000988705	0.000988705	0.000984063
400515	0.000238086	0.000239209	0.000239209	0.000239209	0.000238086
510801	0.003753532	0.003763816	0.003763816	0.003763816	0.003753532
510985	0.000245902	0.000246575	0.000246575	0.000246575	0.000245902
600045	0.000503071	0.000505444	0.000505444	0.000505444	0.000503071
700086	0.00037619	0.000378681	0.000378681	0.000378681	0.00037619
700087	0.00037619	0.000378681	0.000378681	0.000378681	0.00037619
800156	0.000220629	0.000221234	0.000221234	0.000221234	0.000220629
800303	0.000547666	0.000549166	0.000549166	0.000549166	0.000547666
800440	0.000468987	0.000470272	0.000470272	0.000470272	0.000468987
933005	0.000878994	0.000881402	0.000881402	0.000881402	0.000878994
9081767	0.00044645	0.000447673	0.000447673	0.000447673	0.00044645
[redacted]					
93001ESC	0.000267005	0.000267832	0.000267832	0.000267832	0.000267005
93011E	0.000620924	0.000622713	0.000622713	0.000622713	0.000620924
93401S	0.000236191	0.000236838	0.000236838	0.000236838	0.000236191
96004SC	0.000236191	0.000236838	0.000236838	0.000236838	0.000236191
9B105	0.001013007	0.001017778	0.001017778	0.001017778	0.001013007
9S100S	0.000404904	0.00040681	0.00040681	0.00040681	0.000404904
9W009E	0.001013045	0.001017816	0.001017816	0.001017816	0.001013045
LNG	0.000263771	0.000515831	0.000642629	0.000642629	0.00064092
M12164	0.000262466	0.000263185	0.000263185	0.000263185	0.000262466
M12274	0.000262466	0.000263185	0.000263185	0.000263185	0.000262466
[redacted]					

National Grid Rhode Island
Sales
Fixed Cost per Dth per Day by Contract
Existing Assets

	Dollars per Dth per Day				
Gas Year	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
Contract Number					
501	0.000396942	0.000398814	0.000398814	0.000398814	0.000396942
1597	0.001887195	0.001892366	0.001892366	0.001892366	0.001887195
9001	0.000966126	0.000968773	0.000968773	0.000968773	0.000966126
9630	0.000587928	0.000590701	0.000590701	0.000590701	0.000587928
9631	0.000590972	0.000592591	0.000592591	0.000592591	0.000590972
10807	0.000716434	0.000718397	0.000718397	0.000718397	0.000716434
31520	0.000605345	0.000607003	0.000607003	0.000607003	0.000605345
31522	0.000605345	0.000607003	0.000607003	0.000607003	0.000605345
31523	0.000605345	0.000607003	0.000607003	0.000607003	0.000605345
31524	0.000605345	0.000607003	0.000607003	0.000607003	0.000605345
39173	0.000629239	0.000630963	0.000630963	0.000630963	0.000629239
42386	0.000735917	0.000737934	0.000737934	0.000737934	0.000735917
50001	0.000503005	0.000504383	0.000504383	0.000504383	0.000503005
58577	0.001212468	0.00121579	0.00121579	0.00121579	0.001212468
62918	0.000289068	0.000290431	0.000290431	0.000290431	0.000289068
62930	0.000417076	0.000418219	0.000418219	0.000418219	0.000417076
64025	0.002043863	0.002049462	0.002049462	0.002049462	0.002043863
64026	0.002043863	0.002049462	0.002049462	0.002049462	0.002043863
90106	0.000590469	0.000592087	0.000592087	0.000592087	0.000590469
90107	0.001421788	0.001431204	0.001431204	0.001431204	0.001421788
95345	0.000629239	0.000630963	0.000630963	0.000630963	0.000629239
100118	0.000374956	0.000375983	0.000375983	0.000375983	0.000374956
210203	0.00204918	0.002054795	0.002054795	0.002054795	0.00204918
214129	0.001716937	0.001721641	0.001721641	0.001721641	0.001716937
300168	0.000534313	0.000536833	0.000536833	0.000536833	0.000534313
300169	0.000512028	0.000514443	0.000514443	0.000514443	0.000512028
300170	0.000609251	0.000612125	0.000612125	0.000612125	0.000609251
300171	0.000449695	0.000451816	0.000451816	0.000451816	0.000449695
330580	0.000417076	0.000418219	0.000418219	0.000418219	0.000417076
330581	0.000417076	0.000418219	0.000418219	0.000418219	0.000417076
330844	0.000480665	0.000481982	0.000481982	0.000481982	0.000480665
330845	0.000480665	0.000481982	0.000481982	0.000481982	0.000480665
330867	0.000465304	0.000466579	0.000466579	0.000466579	0.000465304
330870	0.000465304	0.000466579	0.000466579	0.000466579	0.000465304
330907	0.000465304	0.000466579	0.000466579	0.000466579	0.000465304
331722	0.000590703	0.000592321	0.000592321	0.000592321	0.000590703
331801	0.000616573	0.000618262	0.000618262	0.000618262	0.000616573
331802	0.000616573	0.000618262	0.000618262	0.000618262	0.000616573
331819	0.000616573	0.000618262	0.000618262	0.000618262	0.000616573

National Grid Rhode Island
Sales
Fixed Cost per Dth per Day by Contract
Existing Assets

	Dollars per Dth per Day				
Gas Year	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
Contract Number					
400185	0.000974323	0.000978919	0.000978919	0.000978919	0.000974323
400221	0.000984063	0.000988705	0.000988705	0.000988705	0.000984063
400515	0.000238086	0.000239209	0.000239209	0.000239209	0.000238086
510801	0.003753532	0.003763816	0.003763816	0.003763816	0.003753532
510985	0.000245902	0.000246575	0.000246575	0.000246575	0.000245902
600045	0.000615648	0.000618552	0.000618552	0.000618552	0.000615648
700086	0.00037619	0.000378681	0.000378681	0.000378681	0.00037619
700087	0.00037619	0.000378681	0.000378681	0.000378681	0.00037619
800156	0.000220629	0.000221234	0.000221234	0.000221234	0.000220629
800303	0.000529457	0.000530908	0.000530908	0.000530908	0.000529457
800440	0.000468987	0.000470272	0.000470272	0.000470272	0.000468987
933005	0.000878994	0.000881402	0.000881402	0.000881402	0.000878994
9081767	0.00044645	0.000447673	0.000447673	0.000447673	0.00044645
[redacted]					
93001ESC	0.000267005	0.000267832	0.000267832	0.000267832	0.000267005
93011E	0.000982081	0.000984991	0.000984991	0.000984991	0.000982081
93401S	0.000236191	0.000236838	0.000236838	0.000236838	0.000236191
96004SC	0.000236191	0.000236838	0.000236838	0.000236838	0.000236191
9B105	0.001013007	0.001017778	0.001017778	0.001017778	0.001013007
9S100S	0.000404904	0.00040681	0.00040681	0.00040681	0.000404904
9W009E	0.001013045	0.001017816	0.001017816	0.001017816	0.001013045
LNG	0.000292127	0.00060783	0.000766978	0.000766978	0.000764952
M12164	0.000262466	0.000263185	0.000263185	0.000263185	0.000262466
M12274	0.000262466	0.000263185	0.000263185	0.000263185	0.000262466
[redacted]					

National Grid Rhode Island
SCC Adj FT1
Fixed Cost per Dth per Day by Path
Existing Assets

	Dollars per Dth per Day				
Gas Year	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
Path					
[redacted]					
Dawn to E.Here	0.003589386	0.00400073	0.00400073	0.00400073	0.003989799
Dawn to WADDY	0.002152055	0.002157951	0.002157951	0.002157951	0.002152055
Dominion SP	0.001091812	0.001094804	0.001094804	0.001094804	0.001091812
[redacted]					
LNG	0.000406671	0.000448004	0.000526942	0.000526942	0.000525502
Manchester Lateral	0.000245902	0.000246575	0.000246575	0.000246575	0.000245902
Millennium/AIM	0.006385847	0.006403343	0.006403343	0.006403343	0.006385847
Niagara	0.000629239	0.000630963	0.000630963	0.000630963	0.000629239
Storage	0.000558329	0.000560963	0.000560963	0.000560963	0.000558329
Storage Delivery	0.001149236	0.001153094	0.001153094	0.001153094	0.001149236
TCO App/M3/Storage	0.001797284	0.001804383	0.001804383	0.001804383	0.001797284
Tetco M2	0.032771478	0.032873012	0.032873012	0.032873012	0.032771478
TetcoM2/M3	0.000620924	0.000622713	0.000622713	0.000622713	0.000620924
Transco Leidy	0.000707009	0.000708946	0.000708946	0.000708946	0.000707009
[redacted]					
Zone 4	0.001887195	0.001892366	0.001892366	0.001892366	0.001887195
Zone 4 CXN	0.002043863	0.002049462	0.002049462	0.002049462	0.002043863

National Grid Rhode Island
Sales
Fixed Cost per Dth per Day by Path
Existing Assets

	Dollars per Dth per Day				
Gas Year	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
Path					
[redacted]					
Dawn to E.Here	0.003622882	0.004038556	0.004038556	0.004038556	0.004027522
Dawn to WADDY	0.002152055	0.002157951	0.002157951	0.002157951	0.002152055
Dominion SP	0.001091812	0.001094804	0.001094804	0.001094804	0.001091812
[redacted]					
LNG	0.000457046	0.000506561	0.000601288	0.000601288	0.000599645
Manchester Lateral	0.000245902	0.000246575	0.000246575	0.000246575	0.000245902
Millennium/AIM	0.006385847	0.006403343	0.006403343	0.006403343	0.006385847
Niagara	0.000629239	0.000630963	0.000630963	0.000630963	0.000629239
Storage	0.000590826	0.000593613	0.000593613	0.000593613	0.000590826
Storage Delivery	0.001087206	0.001090887	0.001090887	0.001090887	0.001087206
TCO App/M3/Storage	0.001854165	0.001861702	0.001861702	0.001861702	0.001854165
Tetco M2	0.023331157	0.023403443	0.023403443	0.023403443	0.023331157
TetcoM2/M3	0.000982081	0.000984991	0.000984991	0.000984991	0.000982081
Transco Leidy	0.000707009	0.000708946	0.000708946	0.000708946	0.000707009
[redacted]					
Zone 4	0.00279107	0.002798717	0.002798717	0.002798717	0.00279107
Zone 4 CXN	0.002043863	0.002049462	0.002049462	0.002049462	0.002043863

National Grid Rhode Island
Design Year
Effective Fixed Cost per Dth per Day by Contract
SCC Adj FT1

Dollars per Dth per Day

Gas Year	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
Contract Number					
501	0.00182659	0.00182659	0.00182659	0.00182659	0.00182659
1597	0.004355479	0.004392756	0.004278237	0.004400455	0.004332045
9001	0.001984828	0.001904174	0.001882728	0.001843622	0.001812224
9630	0.001661704	0.001650126	0.001648156	0.001637	0.00163882
9631	0.002870107	0.002850109	0.002846706	0.002827437	0.002830581
10807	0.001323566	0.001244204	0.0012506	0.001208849	0.001223093
31520	0.002812857	0.002569368	0.002656792	0.002407965	0.002191645
31522	0.002936531	0.002637524	0.002743073	0.002560824	0.002254854
31523	0.001396793	0.001383035	0.001391882	0.001350899	0.001339038
31524	0.001375143	0.001244961	0.001228253	0.001239835	0.001305864
39173	0.001253371	0.001500746	0.001702339	0.001754719	0.001689096
42386	0.004190915	0.003907173	0.003806113	0.003778704	0.003697721
50001	0.002896966	0.00269919	0.002629375	0.00261044	0.002554495
58577	0.005072457	0.005296261	0.005220548	0.005241891	0.005082196
62918	0.003097914	0.003097914	0.003097914	0.003097914	0.003097914
62930	0.003118532	0.002994098	0.002997378	0.002521181	0.00238497
64025	0.002559021	0.002658662	0.00267952	0.002654307	0.002587131
64026	0.002614035	0.002817176	0.002690678	0.002544972	0.002608022
90106	0.001459306	0.001385894	0.001240565	0.001295776	0.001339717
90107	0.001564009	0.001467029	0.001494181	0.00148459	0.001512471
95345	0.000869569	0.000910238	0.001413009	0.001408525	0.001395019
100118	0.000610429	0.000439347	0.000739329	0.000891112	0.000885249
210203	0.008686173	0.00909024	0.00896029	0.008996922	0.00872283
214129	0.002571596	0.001993717	0.003123442	0.003727757	0.003876477
300168	0.001067038	0.001067038	0.001067038	0.001067038	0.001067038
300169	0.00114465	0.001129025	0.00112657	0.00112435	0.001129025
300170	0.001178638	0.001178638	0.001178638	0.001178638	0.001178638
300171	0.001368659	0.001368659	0.001368659	0.001368659	0.001368659
330580	0.007970991	0.011142247	0.011742225	0.01528071	0.013696151
330581	0.004347537	0.004227521	0.003768846	0.003729307	0.003513837
330844	0.006125391	0.006125391	0.006125391	0.006125391	0.006125391
330845	0.000798086	0.000574409	0.000966611	0.001165055	0.00115739
330867	0.001687489	0.001623945	0.001607011	0.001698551	0.00159844
330870	0.001981917	0.002016158	0.002035401	0.001914609	0.002049664
330907	0.001719194	0.00165755	0.001636642	0.001652595	0.001656226
331722	0.001170571	0.001170571	0.001170571	0.001403135	0.001393903
331801	0.00122807	0.00122807	0.00122807	0.001472058	0.001462373
331802	0.001228071	0.001228071	0.001228071	0.001472058	0.001462374
331819	0.001228071	0.001228071	0.001228071	0.001472058	0.001462373

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National Grid Rhode Island
Design Year
Effective Fixed Cost per Dth per Day by Contract
SCC Adj FT1

	Dollars per Dth per Day				
Gas Year	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
Contract Number					
400185	0.001380452	0.001380452	0.001380452	0.001380452	0.001380452
400221	0.001297085	0.001297085	0.001297085	0.001297085	0.001297085
400515	0.000871346	0.000871346	0.000871346	0.000871346	0.000871346
510801	0.009549628	0.007616862	0.011174369	0.012625077	0.012383814
600045	0.001505897	0.001505897	0.001505897	0.001805082	0.001793207
700086	0.000600137	0.000591944	0.000590657	0.000589493	0.000591944
700087	0.000640058	0.000640058	0.000640058	0.000640058	0.000640058
800156	0.002064993	0.002050059	0.002009935	0.002000746	0.002469269
800303	0.00149251	0.001674389	0.002522505	0.002567422	0.002559284
800440	0.002967999	0.002967999	0.002967999	0.002967999	0.002967999
933005	0.001092676	0.000909883	0.000908362	0.000909105	0.00090728
9081767	0.00046881	0.000444673	0.000444673	0.000484495	0.000483053
[redacted]					
93001ESC	0.002193325	0.00232583	0.002262772	0.002376773	0.001954575
93011E	0.00087674	0.000902515	0.000862157	0.000830916	0.000805335
93401S	0.002053069	0.002931448	0.002226349	0.002155892	0.001838459
96004SC	0.00276713	0.002285793	0.002325871	0.002019051	0.0023924
9B105	0.001223528	0.001347473	0.001207003	0.001227037	0.001246189
9S100S	0.002511105	0.002481371	0.002183859	0.002278291	0.001995196
9W009E	0.00103493	0.001119248	0.001085653	0.001044161	0.001049086
LNG	0.002700187	0.005444273	0.007274018	0.007292701	0.007415568
M12164	0.001504417	0.001398992	0.001362806	0.001352992	0.001323996
M12274	0.001090809	0.001136416	0.001120171	0.00112475	0.001090485
[redacted]					

National Grid Rhode Island
Normal Year
Effective Fixed Cost per Dth per Day by Contract
SCC Adj FT1

	Dollars per Dth per Day				
Gas Year	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
Contract Number					
501	0.00182659	0.00182659	0.00182659	0.00182659	0.00182659
1597	0.005257399	0.00527816	0.005160144	0.005109182	0.004969292
9001	0.002106556	0.001961041	0.001947292	0.001910386	0.001856997
9630	0.001610947	0.00159407	0.001602544	0.001623736	0.001637498
9631	0.002782439	0.002753289	0.002767925	0.002804528	0.002828297
10807	0.00147857	0.00132724	0.001319796	0.001266165	0.001273587
31520	0.012159953	0.008687186	0.009325075	0.004387293	0.003189066
31522	0.013468683	0.010141439	0.009839062	0.005114391	0.003760432
31523	0.00148996	0.001408902	0.001417245	0.00142299	0.001382524
31524	0.001426653	0.001268614	0.001257714	0.00127253	0.001353252
39173	0.001253371	0.001500746	0.001765256	0.001847304	0.00174312
42386	0.006524513	0.0067072	0.006172341	0.006060952	0.005558329
50001	0.004510063	0.004633531	0.004264035	0.004187084	0.003839858
58577	0.007414211	0.00772808	0.007510696	0.007355929	0.006876294
62918	0.003097914	0.003097914	0.003097914	0.003097914	0.003097914
62930	0.004505604	0.005181296	0.005359334	0.004579812	0.004105868
64025	0.00273961	0.002828824	0.002900467	0.002758466	0.002709283
64026	0.002875206	0.00298924	0.002871873	0.002648525	0.002678463
90106	0.001660701	0.001564132	0.001385711	0.001454324	0.001484581
90107	0.001664222	0.001535062	0.001569455	0.001535406	0.001578602
95345	0.000972258	0.001028451	0.001699295	0.001686636	0.001638154
100118	0.000622953	0.000447468	0.000739329	0.000891112	0.000885249
210203	0.012695998	0.013264093	0.012890987	0.012625353	0.01180213
214129	0.002704897	0.002032072	0.003315439	0.003884535	0.004077217
300168	0.001067038	0.001067038	0.001067038	0.001067038	0.001067038
300169	0.00112435	0.00112435	0.00112435	0.00112657	0.00112799
300170	0.001178638	0.001178638	0.001178638	0.001178638	0.001178638
300171	0.001368659	0.001368659	0.001368659	0.001368659	0.001368659
330580	0.022978009	0.021035392	0.017379897	0.035620639	0.038141151
330581	0.005094588	0.005555818	0.005337865	0.373512639	0.275173707
330844	0.006125391	0.006125391	0.006125391	0.006125391	0.006125391
330845	0.00081446	0.000585028	0.000966611	0.001165055	0.00115739
330867	0.001659738	0.001635855	0.0016035	0.001694254	0.001598197
330870	0.001936183	0.002003681	0.002042604	0.001931134	0.00204964
330907	0.001713961	0.001600609	0.001605977	0.001641797	0.001645586
331722	0.001177074	0.001170571	0.001170571	0.001403135	0.001393903
331801	0.001234893	0.00122807	0.00122807	0.001472058	0.001462373
331802	0.001234893	0.001228071	0.001228071	0.001472058	0.001462374
331819	0.001229317	0.001228071	0.001228071	0.001472058	0.001462373

REDACTED

National Grid Rhode Island
Normal Year
Effective Fixed Cost per Dth per Day by Contract
SCC Adj FT1

	Dollars per Dth per Day				
Gas Year	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
Contract Number					
400185	0.001380452	0.001380452	0.001380452	0.001380452	0.001380452
400221	0.001297085	0.001297085	0.001297085	0.001297085	0.001297085
400515	0.000871346	0.000871346	0.000871346	0.000871346	0.000871346
510801	0.011644832	0.008767573	0.014084999	0.015422812	0.015245158
600045	0.001508415	0.001505897	0.001505897	0.001805082	0.001793207
700086	0.000589493	0.000589493	0.000589493	0.000590657	0.000591402
700087	0.000640058	0.000640058	0.000640058	0.000640058	0.000640058
800156	0.00281461	0.002837718	0.002736617	0.00263746	0.002955511
800303	0.001497564	0.001707687	0.002534552	0.002573112	0.002575936
800440	0.002967999	0.002967999	0.002967999	0.002967999	0.002967999
933005	0.001127488	0.000907258	0.000904927	0.000911371	0.000907142
9081767	0.000473784	0.000444673	0.000444673	0.000484495	0.000483053
[redacted]					
93001ESC	0.008866617	0.006737614	0.00717031	0.004019429	0.003483691
93011E	0.00093544	0.000980668	0.000920657	0.000873629	0.000845609
93401S	0.00888505	0.007530751	0.008892256	0.004368453	0.004520591
96004SC	0.003121191	0.003568525	0.003119365	0.006504305	0.006353622
9B105	0.001219234	0.001374167	0.001228329	0.001233703	0.001246533
9S100S	0.008307612	0.009613247	0.007869968	0.003633288	0.004669655
9W009E	0.001036925	0.001115296	0.001117879	0.0010767	0.001067644
LNG	0.005309349	0.00840751	0.010202643	0.007292701	0.007415568
M12164	0.002342112	0.002401562	0.002210051	0.002170168	0.0019902
M12274	0.001594422	0.001658211	0.001611567	0.001578358	0.001475443
[redacted]					

National Grid Rhode Island
Design Year
Effective Fixed Cost per Dth per Day by Contract
Sales

	Dollars per Dth per Day				
Gas Year	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
Contract Number					
501	0.00182659	0.00182659	0.00182659	0.00182659	0.00182659
1597	0.006899257	0.006900706	0.006841932	0.006961287	0.006720817
9001	0.001916861	0.001859245	0.001846534	0.001805444	0.001784012
9630	0.001660556	0.00167403	0.00165524	0.00166449	0.001657705
9631	0.002868124	0.002891395	0.002858941	0.002874918	0.002863199
10807	0.001561812	0.001463404	0.001386746	0.001394803	0.001389905
31520	0.002716546	0.002533012	0.002561719	0.002373923	0.002140726
31522	0.002696784	0.002417836	0.002419892	0.002180551	0.001990082
31523	0.001343937	0.001363814	0.001369154	0.001332768	0.001325331
31524	0.001355562	0.001240054	0.001226334	0.001236726	0.00129246
39173	0.001253371	0.001510685	0.001782136	0.001917478	0.001761233
42386	0.005730945	0.005072212	0.004959198	0.004861564	0.004624755
50001	0.00396151	0.003504034	0.00342596	0.003358512	0.003194917
58577	0.004798195	0.005077794	0.005005864	0.00503207	0.004913518
62918	0.003097914	0.003097914	0.003097914	0.003097914	0.003097914
62930	0.00281729	0.002829544	0.002835786	0.002564351	0.00255828
64025	0.002800806	0.002840757	0.002844372	0.002839971	0.002813392
64026	0.002966767	0.002978357	0.002886606	0.002751087	0.002794615
90106	0.001432065	0.001380364	0.001179812	0.0012386	0.00126091
90107	0.001562716	0.001471049	0.001493138	0.001485097	0.001517883
95345	0.0009521	0.000971199	0.001572301	0.001560676	0.001531012
100118	0.000571007	0.000448526	0.000739329	0.000891112	0.000885249
210203	0.008216568	0.008715274	0.008591816	0.008636796	0.008433318
214129	0.002256686	0.001951632	0.003059922	0.003665202	0.003799876
300168	0.001150131	0.001067038	0.001067038	0.00115013	0.001067038
300169	0.001141051	0.001132434	0.00112435	0.00112435	0.001129025
300170	0.001542153	0.001307207	0.001307207	0.001429702	0.001307207
300171	0.001368659	0.001368659	0.001368659	0.001368659	0.001368659
330580	0.020799969	0.01866266	0.018124257	0.028508444	0.02749371
330581	0.003933068	0.004049683	0.003787281	0.0035329	0.003308115
330844	0.006125391	0.006125391	0.006125391	0.006125391	0.006125391
330845	0.000746544	0.000586411	0.000966611	0.001165055	0.00115739
330867	0.00169097	0.001628652	0.001657252	0.001667062	0.001601906
330870	0.001964381	0.002032671	0.00195529	0.001934929	0.00203628
330907	0.001718542	0.001635412	0.00166436	0.001692703	0.001679853
331722	0.001170571	0.001170571	0.001170571	0.001403135	0.001393903
331801	0.00122807	0.00122807	0.00122807	0.00122807	0.001221323
331802	0.001228071	0.001228071	0.001228071	0.001228071	0.001221323
331819	0.001228071	0.001228071	0.001228071	0.001228071	0.001221323

REDACTED

National Grid Rhode Island
Design Year
Effective Fixed Cost per Dth per Day by Contract
Sales

	Dollars per Dth per Day				
Gas Year	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
Contract Number					
400185	0.001380452	0.001380452	0.001380452	0.001380452	0.001380452
400221	0.001297085	0.001297085	0.001297085	0.001297085	0.001297085
400515	0.000871346	0.000871346	0.000871346	0.000871346	0.000871346
510801	0.00869435	0.007628837	0.011271987	0.012812218	0.012611667
600045	0.003564966	0.003564966	0.003564966	0.003716458	0.003695175
700086	0.000598249	0.000593732	0.000589493	0.000589493	0.000591944
700087	0.000679519	0.000575995	0.000575995	0.00062997	0.000575995
800156	0.001893144	0.001899134	0.001890613	0.001890613	0.002396242
800303	0.00175455	0.001966101	0.002790385	0.002797902	0.002790472
800440	0.002967999	0.002967999	0.002967999	0.002967999	0.002967999
933005	0.001192469	0.00095639	0.000951811	0.000950658	0.000946291
9081767	0.000529196	0.000444753	0.00044474	0.000484561	0.000483098
[redacted]					
93001ESC	0.011090244	0.008527547	0.00774213	0.007545215	0.005798934
93011E	0.001683238	0.001733987	0.001598432	0.001510952	0.001450684
93401S	0.009029057	0.011148037	0.011798412	0.008844592	0.010238292
96004SC	0.003535781	0.003768355	0.0036897	0.003428107	0.003522454
9B105	0.001198753	0.001259885	0.001172765	0.001112814	0.001148184
9S100S	0.014379209	0.025488055	0.011036556	0.017032622	0.010498097
9W009E	0.001069838	0.001130237	0.001087458	0.00107711	0.001018951
LNG	0.003052188	0.006411626	0.008846812	0.008846812	0.009037851
M12164	0.002057244	0.001816143	0.001775677	0.001740718	0.001655927
M12274	0.001031825	0.00108954	0.001074106	0.001079729	0.001054291
[redacted]					

National Grid Rhode Island
Normal Year
Effective Fixed Cost per Dth per Day by Contract
Sales

	Dollars per Dth per Day				
Gas Year	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
Contract Number					
501	0.00182659	0.00182659	0.00182659	0.00182659	0.00182659
1597	0.008821185	0.00884828	0.008567497	0.008389156	0.008223904
9001	0.001999767	0.001918735	0.001905232	0.001860237	0.001833708
9630	0.001610947	0.001602146	0.001602544	0.001623736	0.001640977
9631	0.002782439	0.002767238	0.002767925	0.002804528	0.002834307
10807	0.001700683	0.001540961	0.001468775	0.001466139	0.001440323
31520	0.012831361	0.008175929	0.008315736	0.003834186	0.003021388
31522	0.011737165	0.00860619	0.008084839	0.00389496	0.00313097
31523	0.001419352	0.001400894	0.001401988	0.001399522	0.001372151
31524	0.001392309	0.001253902	0.001246442	0.001255651	0.001329161
39173	0.001253371	0.001510685	0.001848047	0.002156361	0.001808998
42386	0.06690125	0.014973848	0.013947363	0.012458076	0.010287853
50001	0.046245421	0.010344376	0.00963525	0.008606407	0.007107153
58577	0.00728676	0.007576659	0.007351492	0.006941729	0.006440193
62918	0.003097914	0.003097914	0.003097914	0.003097914	0.003097914
62930	0.004602914	0.00499824	0.004948102	0.004382773	0.004098824
64025	0.00293722	0.00296098	0.003013181	0.002952521	0.0028507
64026	0.003035742	0.003090962	0.003015988	0.002841507	0.002839776
90106	0.001707513	0.001628308	0.001373736	0.001417171	0.00145486
90107	0.001650993	0.001532238	0.001560813	0.001524844	0.001564372
95345	0.001209007	0.001141585	0.002071249	0.00202738	0.001948926
100118	0.000583907	0.000454219	0.000739329	0.000891112	0.000885249
210203	0.012477573	0.013004201	0.012617735	0.011914439	0.011053628
214129	0.002329089	0.001983105	0.003196159	0.003799554	0.003976079
300168	0.001150131	0.001067038	0.001067038	0.00115013	0.001067038
300169	0.00112435	0.00112435	0.00112435	0.00112435	0.00112435
300170	0.001542153	0.001307207	0.001307207	0.001429702	0.001307207
300171	0.001368659	0.001368659	0.001368659	0.001368659	0.001368659
330580	0.08507573	0.065254718	0.059296034	0.476034279	0.41149898
330581	0.006509682	0.006289914	0.00575318	0.20143427	0.186522931
330844	0.006125391	0.006125391	0.006125391	0.006125391	0.006125391
330845	0.00076341	0.000593854	0.000966611	0.001165055	0.00115739
330867	0.001647775	0.001617301	0.001604439	0.001688399	0.001584638
330870	0.00195695	0.002018368	0.00204243	0.001928369	0.002055545
330907	0.001691466	0.001622281	0.001603328	0.001643296	0.001637284
331722	0.001170571	0.001170571	0.001170571	0.001403135	0.001393903
331801	0.00122807	0.00122807	0.00122807	0.00122807	0.001221323
331802	0.001228071	0.001228071	0.001228071	0.001228071	0.001221323
331819	0.001228071	0.001228071	0.001228071	0.001228071	0.001221323

REDACTED

National Grid Rhode Island
Normal Year
Effective Fixed Cost per Dth per Day by Contract
Sales

	Dollars per Dth per Day				
Gas Year	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
Contract Number					
400185	0.001380452	0.001380452	0.001380452	0.001380452	0.001380452
400221	0.001297085	0.001297085	0.001297085	0.001297085	0.001297085
400515	0.000871346	0.000871346	0.000871346	0.000871346	0.000871346
510801	0.01006127	0.008578775	0.0136437	0.015294283	0.014916819
600045	0.003564966	0.003564966	0.003564966	0.003716458	0.003695175
700086	0.000589493	0.000589493	0.000589493	0.000589493	0.000589493
700087	0.000679519	0.000575995	0.000575995	0.00062997	0.000575995
800156	0.002486529	0.002652798	0.002444486	0.002421973	0.002784822
800303	0.001755551	0.002017853	0.00279943	0.002802504	0.002799024
800440	0.002967999	0.002967999	0.002967999	0.002967999	0.002967999
933005	0.00129364	0.001046277	0.001015452	0.000982066	0.000975345
9081767	0.000537764	0.00044468	0.000444673	0.000484495	0.000483053
[redacted]					
93001ESC	0.061365089	0.016699486	0.043417924	0.014382636	0.011990285
93011E	0.001758729	0.00184495	0.00169017	0.001585769	0.001510172
93401S	0.064168645	0.098062731	0.023538989	0.020904998	0.08600514
96004SC	0.015354586	0.103266061	0.01520429	0.097873126	0.070018368
9B105	0.001276456	0.001421181	0.001250361	0.001199547	0.001237384
9S100S	0.043002573	0.028668382	0.034793183	0.030104116	0.018898898
9W009E	0.001139988	0.00118584	0.001137324	0.001101312	0.00105905
LNG	0.005570703	0.011002424	0.01319624	0.008846812	0.009037851
M12164	0.024015616	0.005361495	0.004993955	0.004460705	0.003683641
M12274	0.001567036	0.00162572	0.001577406	0.001489484	0.001381869
[redacted]					

REDACTED

National Grid Rhode Island
Design Year
Effective Fixed Cost per Dth per Day by Path
SCC Adj FT1
Existing Assets

	Dollars per Dth per Day				
Gas Year	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
Path					
[redacted]					
Dawn to E.Here	0.036527624	0.04533536	0.043357073	0.036889627	0.03449733
Dawn to WADDY	0.002974007	0.003113099	0.004832621	0.004817287	0.004771095
Dominion SP	0.011374316	0.01029932	0.009768087	0.008773723	0.00899313
[redacted]					
LNG	0.018127025	0.019914818	0.025399365	0.025399366	0.025800206
Millennium/AIM	0.012338769	0.009755037	0.014640609	0.01678503	0.016517012
Niagara	0.001253371	0.001500746	0.001702339	0.001754719	0.001689096
Storage	0.001853451	0.001851652	0.001851359	0.001928426	0.001926226
Storage Delivery	0.001673366	0.001692944	0.001590702	0.001594614	0.001597936
TCO App/M3/Storage	0.003316487	0.003062127	0.003046091	0.003025571	0.00309804
Tetco M2	0.269202697	0.285466077	0.277726467	0.291718724	0.23989925
TetcoM2/M3	0.00087674	0.000902515	0.000862157	0.000830916	0.000805335
Transco Leidy	0.005478275	0.005070019	0.005064036	0.004630803	0.005461305
[redacted]					
Zone 4	0.004355479	0.004392756	0.004278237	0.004400455	0.004332045
Zone 4 CXN	0.004368169	0.00482703	0.004650564	0.004379705	0.00439554

REDACTED

National Grid Rhode Island
Normal Year
Effective Fixed Cost per Dth per Day by Path
SCC Adj FT1
Existing Assets

	Dollars per Dth per Day				
Gas Year	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
Path					
[redacted]					
Dawn to E.Here	0.061840626	0.087749109	0.089104567	0.070249844	0.064778561
Dawn to WADDY	0.003325214	0.003517399	0.005811749	0.005768454	0.005602641
Dominion SP	0.039431167	0.029240076	0.036187107	0.024423581	0.032467305
[redacted]					
LNG	0.032170419	0.029745859	0.033242975	0.025399367	0.025800207
Millennium/AIM	0.014826993	0.011072439	0.018123929	0.020028433	0.019860226
Niagara	0.001253371	0.001500746	0.001765256	0.001847304	0.00174312
Storage	0.001849964	0.001848289	0.001848755	0.001927853	0.001926064
Storage Delivery	0.001727673	0.001734394	0.001636928	0.001636148	0.001632046
TCO App/M3/Storage	0.003697018	0.003319429	0.003304358	0.003253276	0.003316878
Tetco M2	1.088264472	0.826956435	0.880064375	0.493333784	0.42757876
TetcoM2/M3	0.00093544	0.000980668	0.000920657	0.000873629	0.000845609
Transco Leidy	0.004888998	0.005978289	0.005123008	0.0094357	0.00860246
[redacted]					
Zone 4	0.005257399	0.00527816	0.005160144	0.005109182	0.004969292
Zone 4 CXN	0.005044766	0.005383649	0.005281567	0.004684398	0.004670389

REDACTED

National Grid Rhode Island
Design Year
Effective Fixed Cost per Dth per Day by Path
Sales
Existing Assets

	Dollars per Dth per Day				
Gas Year	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
Path					
[redacted]					
Dawn to E.Here	0.041958486	0.048159286	0.04773192	0.042158664	0.041874074
Dawn to WADDY	0.00325627	0.003321591	0.005377418	0.005337659	0.005236205
Dominion SP	0.02844895	0.024956166	0.033346612	0.04658661	0.026912085
[redacted]					
LNG	0.020752565	0.022937984	0.030088168	0.030088169	0.030682015
Millennium/AIM	0.01089279	0.009538664	0.014232542	0.016263434	0.016045257
Niagara	0.001253371	0.001510685	0.001782136	0.001917478	0.001761233
Storage	0.002227557	0.002181776	0.002179537	0.002219309	0.002189148
Storage Delivery	0.001667003	0.001657269	0.001517575	0.001527306	0.001514188
TCO App/M3/Storage	0.003257353	0.003053193	0.003034108	0.003008384	0.003064927
Tetco M2	0.969076018	0.74514513	0.676514703	0.659308043	0.506716345
TetcoM2/M3	0.001683238	0.001733987	0.001598432	0.001510952	0.001450684
Transco Leidy	0.005490251	0.006245951	0.005848038	0.00541769	0.005930861
[redacted]					
Zone 4	0.006899257	0.006900706	0.006841932	0.006961287	0.006720817
Zone 4 CXN	0.004852928	0.005138733	0.004993289	0.004646274	0.004801165

REDACTED

National Grid Rhode Island
Normal Year
Effective Fixed Cost per Dth per Day by Path
Sales
Existing Assets

	Dollars per Dth per Day				
Gas Year	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
Path					
[redacted]					
Dawn to E.Here	0.071731616	0.09362279	0.092560821	0.081413873	0.076047045
Dawn to WADDY	0.004134916	0.003904329	0.007083865	0.006933828	0.006665509
Dominion SP	0.198782662	1.222185678	0.206273013	1.553052935	0.124771419
[redacted]					
LNG	0.036281627	0.037337376	0.041993291	0.030088169	0.030682017
Millennium/AIM	0.012469546	0.010622805	0.016989863	0.019099031	0.018657279
Niagara	0.001253371	0.001510685	0.001848047	0.002156361	0.001808998
Storage	0.002221819	0.002175567	0.002175597	0.002216207	0.002187396
Storage Delivery	0.001773179	0.001779731	0.001610382	0.00160739	0.001596748
TCO App/M3/Storage	0.003606696	0.003300918	0.003284894	0.003199489	0.003263815
Tetco M2	5.362139718	1.459216913	3.793899397	1.256768413	1.047722476
TetcoM2/M3	0.001758729	0.00184495	0.00169017	0.001585769	0.001510172
Transco Leidy	0.009928359	0.015585863	0.010764509	0.015406545	0.016400193
[redacted]					
Zone 4	0.008821185	0.00884828	0.008567497	0.008389156	0.008223904
Zone 4 CXN	0.005144376	0.005511424	0.005457569	0.004930375	0.004924661

REDACTED

National Grid Rhode Island
Design Year
Effective Fixed Cost per Dth per Day by Contract
SCC Adj FT1

	Dollars per Dth per Day				
Gas Year	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
Contract					
[redacted]					

REDACTED

National Grid Rhode Island
Normal Year
Effective Fixed Cost per Dth per Day by Contract
SCC Adj FT1

	Dollars per Dth per Day				
Gas Year	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
Contract					
[redacted]					

Design Year
Effective Fixed Cost per Dth per Day by Contract
Sales

	Dollars per Dth per Day				
Gas Year	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
Contract					
[redacted]					

Normal Year
Effective Fixed Cost per Dth per Day by Contract
Sales

	Dollars per Dth per Day				
Gas Year	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
Contract					
[redacted]					

REDACTED

National Grid Rhode Island
Design Year
Effective Fixed Cost per Dth per Day by Path
SCC Adj FT1
Proposed Assets

	Dollars per Dth per Day				
Gas Year	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
Path					
[redacted]					

REDACTED

National Grid Rhode Island
Normal Year
Effective Fixed Cost per Dth per Day by Path
SCC Adj FT1
Proposed Assets

	Dollars per Dth per Day				
Gas Year	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
Path					
[redacted]					

National Grid Rhode Island
Design Year
Effective Fixed Cost per Dth per Day by Path
Sales
Proposed Assets

	Dollars per Dth per Day				
Gas Year	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
Path					
[redacted]					

REDACTED

National Grid Rhode Island
Normal Year
Effective Fixed Cost per Dth per Day by Path
Sales
Proposed Assets

	Dollars per Dth per Day				
Gas Year	2019-2020	2020-2021	2021-2022	2022-2023	2023-2024
Path					
[redacted]					

REDACTED

Table VI-A-4

National Grid Rhode Island
Design Year
SCC Adj FT1
Commodity per Dth

Supply	Date	Commodity per Dth
AIM_M3_Ramap	11/1/2019	2.312000082
AIM_M3_Ramap	12/1/2019	3.121999934
AIM_M3_Ramap	1/1/2020	5.61800017
AIM_M3_Ramap	2/1/2020	5.517999646
AIM_M3_Ramap	3/1/2020	2.803000087
AIM_M3_Ramap	4/1/2020	2.290000095
AIM_M3_Ramap	5/1/2020	2.143999874
AIM_M3_Ramap	6/1/2020	0
AIM_M3_Ramap	7/1/2020	0
AIM_M3_Ramap	8/1/2020	0
AIM_M3_Ramap	9/1/2020	0
AIM_M3_Ramap	10/1/2020	2.044000058
AIM_M3_Ramap	11/1/2020	2.377000135
AIM_M3_Ramap	12/1/2020	3.2
AIM_M3_Ramap	1/1/2021	5.782000009
AIM_M3_Ramap	2/1/2021	5.705999785
AIM_M3_Ramap	3/1/2021	2.831000024
AIM_M3_Ramap	4/1/2021	2.257999892
AIM_M3_Ramap	5/1/2021	2.113999984
AIM_M3_Ramap	6/1/2021	0
AIM_M3_Ramap	7/1/2021	0
AIM_M3_Ramap	8/1/2021	0
AIM_M3_Ramap	9/1/2021	0
AIM_M3_Ramap	10/1/2021	2.062999914
AIM_M3_Ramap	11/1/2021	2.390000014
AIM_M3_Ramap	12/1/2021	3.218000089
AIM_M3_Ramap	1/1/2022	5.749999954
AIM_M3_Ramap	2/1/2022	5.645999834
AIM_M3_Ramap	3/1/2022	2.845000133
AIM_M3_Ramap	4/1/2022	2.105000137
AIM_M3_Ramap	5/1/2022	1.972999944
AIM_M3_Ramap	6/1/2022	0
AIM_M3_Ramap	7/1/2022	0
AIM_M3_Ramap	8/1/2022	0
AIM_M3_Ramap	9/1/2022	0
AIM_M3_Ramap	10/1/2022	1.921000037
AIM_M3_Ramap	11/1/2022	2.367999968
AIM_M3_Ramap	12/1/2022	3.145999815
AIM_M3_Ramap	1/1/2023	5.600999727
AIM_M3_Ramap	2/1/2023	5.498000026
AIM_M3_Ramap	3/1/2023	2.722000068
AIM_M3_Ramap	4/1/2023	2.149999887
AIM_M3_Ramap	5/1/2023	2.032000101
AIM_M3_Ramap	6/1/2023	0
AIM_M3_Ramap	7/1/2023	0
AIM_M3_Ramap	8/1/2023	0
AIM_M3_Ramap	9/1/2023	0
AIM_M3_Ramap	10/1/2023	2.01200003

REDACTED

Table VI-A-4

National Grid Rhode Island
Design Year
SCC Adj FT1
Commodity per Dth

Supply	Date	Commodity per Dth
AIM_M3_Ramap	11/1/2023	2.380000092
AIM_M3_Ramap	12/1/2023	3.153999956
AIM_M3_Ramap	1/1/2024	5.6790002
AIM_M3_Ramap	2/1/2024	5.586999931
AIM_M3_Ramap	3/1/2024	2.811999813
AIM_M3_Ramap	4/1/2024	2.244999949
AIM_M3_Ramap	5/1/2024	2.124000104
AIM_M3_Ramap	6/1/2024	0
AIM_M3_Ramap	7/1/2024	0
AIM_M3_Ramap	8/1/2024	0
AIM_M3_Ramap	9/1/2024	0
AIM_M3_Ramap	10/1/2024	2.09600001

[redacted]

REDACTED

National Grid Rhode Island
Design Year
SCC Adj FT1
Commodity per Dth

Table VI-A-4

Supply	Date	Commodity per Dth
[redacted]		

REDACTED

National Grid Rhode Island
Design Year
SCC Adj FT1
Commodity per Dth

Table VI-A-4

Supply	Date	Commodity per Dth
[redacted]		
Dawn_EHere	11/1/2019	2.381999963
Dawn_EHere	12/1/2019	2.746999878
Dawn_EHere	1/1/2020	2.880000094
Dawn_EHere	2/1/2020	2.875999943
Dawn_EHere	3/1/2020	2.829999822
Dawn_EHere	4/1/2020	2.363000153
Dawn_EHere	5/1/2020	0
Dawn_EHere	6/1/2020	0
Dawn_EHere	7/1/2020	0
Dawn_EHere	8/1/2020	0
Dawn_EHere	9/1/2020	0
Dawn_EHere	10/1/2020	0

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National Grid Rhode Island
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Table VI-A-4

Supply	Date	Commodity per Dth
Dawn_EHere	11/1/2020	2.54400004
Dawn_EHere	12/1/2020	2.839999928
Dawn_EHere	1/1/2021	2.97800007
Dawn_EHere	2/1/2021	2.967999998
Dawn_EHere	3/1/2021	2.877999893
Dawn_EHere	4/1/2021	2.424000031
Dawn_EHere	5/1/2021	0
Dawn_EHere	6/1/2021	0
Dawn_EHere	7/1/2021	0
Dawn_EHere	8/1/2021	0
Dawn_EHere	9/1/2021	0
Dawn_EHere	10/1/2021	0
Dawn_EHere	11/1/2021	2.545999892
Dawn_EHere	12/1/2021	2.850000123
Dawn_EHere	1/1/2022	3.008000099
Dawn_EHere	2/1/2022	2.985999908
Dawn_EHere	3/1/2022	2.881999962
Dawn_EHere	4/1/2022	2.401999943
Dawn_EHere	5/1/2022	0
Dawn_EHere	6/1/2022	0
Dawn_EHere	7/1/2022	0
Dawn_EHere	8/1/2022	0
Dawn_EHere	9/1/2022	0
Dawn_EHere	10/1/2022	0
Dawn_EHere	11/1/2022	2.540999985
Dawn_EHere	12/1/2022	2.853000145
Dawn_EHere	1/1/2023	3.018000195
Dawn_EHere	2/1/2023	2.992000071
Dawn_EHere	3/1/2023	2.907999838
Dawn_EHere	4/1/2023	2.458000121
Dawn_EHere	5/1/2023	0
Dawn_EHere	6/1/2023	0
Dawn_EHere	7/1/2023	0
Dawn_EHere	8/1/2023	0
Dawn_EHere	9/1/2023	0
Dawn_EHere	10/1/2023	0
Dawn_EHere	11/1/2023	2.651999996
Dawn_EHere	12/1/2023	2.963999967
Dawn_EHere	1/1/2024	3.132000019
Dawn_EHere	2/1/2024	3.109999963
Dawn_EHere	3/1/2024	3.032000214
Dawn_EHere	4/1/2024	2.572000179
Dawn_EHere	5/1/2024	0
Dawn_EHere	6/1/2024	0
Dawn_EHere	7/1/2024	0
Dawn_EHere	8/1/2024	0
Dawn_EHere	9/1/2024	0
Dawn_EHere	10/1/2024	0

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National Grid Rhode Island
Design Year
SCC Adj FT1
Commodity per Dth

Table VI-A-4

Supply	Date	Commodity per Dth
Dawn_Waddy	11/1/2019	0
Dawn_Waddy	12/1/2019	2.746999959
Dawn_Waddy	1/1/2020	2.880000065
Dawn_Waddy	2/1/2020	2.876000088
Dawn_Waddy	3/1/2020	0
Dawn_Waddy	4/1/2020	0
Dawn_Waddy	5/1/2020	0
Dawn_Waddy	6/1/2020	0
Dawn_Waddy	7/1/2020	0
Dawn_Waddy	8/1/2020	0
Dawn_Waddy	9/1/2020	0
Dawn_Waddy	10/1/2020	0
Dawn_Waddy	11/1/2020	0
Dawn_Waddy	12/1/2020	2.840000096
Dawn_Waddy	1/1/2021	2.977999853
Dawn_Waddy	2/1/2021	2.96800005
Dawn_Waddy	3/1/2021	2.877999748
Dawn_Waddy	4/1/2021	0
Dawn_Waddy	5/1/2021	0
Dawn_Waddy	6/1/2021	0
Dawn_Waddy	7/1/2021	0
Dawn_Waddy	8/1/2021	0
Dawn_Waddy	9/1/2021	0
Dawn_Waddy	10/1/2021	0
Dawn_Waddy	11/1/2021	0
Dawn_Waddy	12/1/2021	2.850000186
Dawn_Waddy	1/1/2022	3.00799978
Dawn_Waddy	2/1/2022	2.985999879
Dawn_Waddy	3/1/2022	2.88200013
Dawn_Waddy	4/1/2022	0
Dawn_Waddy	5/1/2022	0
Dawn_Waddy	6/1/2022	0
Dawn_Waddy	7/1/2022	0
Dawn_Waddy	8/1/2022	0
Dawn_Waddy	9/1/2022	0
Dawn_Waddy	10/1/2022	0
Dawn_Waddy	11/1/2022	0
Dawn_Waddy	12/1/2022	2.85300006
Dawn_Waddy	1/1/2023	3.018000031
Dawn_Waddy	2/1/2023	2.991999896
Dawn_Waddy	3/1/2023	2.908000083
Dawn_Waddy	4/1/2023	0
Dawn_Waddy	5/1/2023	0
Dawn_Waddy	6/1/2023	0
Dawn_Waddy	7/1/2023	0
Dawn_Waddy	8/1/2023	0
Dawn_Waddy	9/1/2023	0
Dawn_Waddy	10/1/2023	0

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National Grid Rhode Island
Design Year
SCC Adj FT1
Commodity per Dth

Table VI-A-4

Supply	Date	Commodity per Dth
Dawn_Waddy	11/1/2023	0
Dawn_Waddy	12/1/2023	2.964000226
Dawn_Waddy	1/1/2024	3.131999848
Dawn_Waddy	2/1/2024	3.109999818
Dawn_Waddy	3/1/2024	3.032000077
Dawn_Waddy	4/1/2024	0
Dawn_Waddy	5/1/2024	0
Dawn_Waddy	6/1/2024	0
Dawn_Waddy	7/1/2024	0
Dawn_Waddy	8/1/2024	0
Dawn_Waddy	9/1/2024	0
Dawn_Waddy	10/1/2024	0
Dom_SP	11/1/2019	2.057000047
Dom_SP	12/1/2019	2.316999798
Dom_SP	1/1/2020	2.427999865
Dom_SP	2/1/2020	2.422999992
Dom_SP	3/1/2020	2.357999865
Dom_SP	4/1/2020	2.137999814
Dom_SP	5/1/2020	2.031999923
Dom_SP	6/1/2020	0
Dom_SP	7/1/2020	0
Dom_SP	8/1/2020	0
Dom_SP	9/1/2020	1.906999827
Dom_SP	10/1/2020	1.948999959
Dom_SP	11/1/2020	2.177000056
Dom_SP	12/1/2020	2.40399982
Dom_SP	1/1/2021	2.494999888
Dom_SP	2/1/2021	2.481000063
Dom_SP	3/1/2021	2.370999843
Dom_SP	4/1/2021	2.125999926
Dom_SP	5/1/2021	2.01399982
Dom_SP	6/1/2021	1.993999972
Dom_SP	7/1/2021	1.995999955
Dom_SP	8/1/2021	2.025999955
Dom_SP	9/1/2021	0
Dom_SP	10/1/2021	1.942999978
Dom_SP	11/1/2021	2.162999994
Dom_SP	12/1/2021	2.387999865
Dom_SP	1/1/2022	2.52
Dom_SP	2/1/2022	2.473000037
Dom_SP	3/1/2022	2.294999888
Dom_SP	4/1/2022	0
Dom_SP	5/1/2022	0
Dom_SP	6/1/2022	0
Dom_SP	7/1/2022	1.90399982
Dom_SP	8/1/2022	0
Dom_SP	9/1/2022	0
Dom_SP	10/1/2022	0

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Table VI-A-4

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Commodity per Dth

Supply	Date	Commodity per Dth
Dom_SP	11/1/2022	2.133999934
Dom_SP	12/1/2022	2.352999978
Dom_SP	1/1/2023	2.48399982
Dom_SP	2/1/2023	2.43999993
Dom_SP	3/1/2023	2.27199991
Dom_SP	4/1/2023	0
Dom_SP	5/1/2023	0
Dom_SP	6/1/2023	0
Dom_SP	7/1/2023	0
Dom_SP	8/1/2023	0
Dom_SP	9/1/2023	0
Dom_SP	10/1/2023	0
Dom_SP	11/1/2023	2.229999844
Dom_SP	12/1/2023	2.455999955
Dom_SP	1/1/2024	2.60199991
Dom_SP	2/1/2024	2.609999909
Dom_SP	3/1/2024	2.454999888
Dom_SP	4/1/2024	0
Dom_SP	5/1/2024	0
Dom_SP	6/1/2024	0
Dom_SP	7/1/2024	0
Dom_SP	8/1/2024	0
Dom_SP	9/1/2024	0
Dom_SP	10/1/2024	0

[redacted]

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National Grid Rhode Island
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Commodity per Dth

Table VI-A-4

Supply	Date	Commodity per Dth
[redacted]		
DracutSwing	11/1/2019	0
DracutSwing	12/1/2019	6.596999905
DracutSwing	1/1/2020	0
DracutSwing	2/1/2020	8.437999849
DracutSwing	3/1/2020	5.227999978
DracutSwing	4/1/2020	0
DracutSwing	5/1/2020	0
DracutSwing	6/1/2020	0
DracutSwing	7/1/2020	0
DracutSwing	8/1/2020	0
DracutSwing	9/1/2020	0
DracutSwing	10/1/2020	0

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National Grid Rhode Island
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SCC Adj FT1
Commodity per Dth

Table VI-A-4

Supply	Date	Commodity per Dth
DracutSwing	11/1/2020	0
DracutSwing	12/1/2020	7.152000255
DracutSwing	1/1/2021	9.300000578
DracutSwing	2/1/2021	9.247999898
DracutSwing	3/1/2021	5.598000085
DracutSwing	4/1/2021	0
DracutSwing	5/1/2021	0
DracutSwing	6/1/2021	0
DracutSwing	7/1/2021	0
DracutSwing	8/1/2021	0
DracutSwing	9/1/2021	0
DracutSwing	10/1/2021	0
DracutSwing	11/1/2021	0
DracutSwing	12/1/2021	7.030000001
DracutSwing	1/1/2022	9.330000177
DracutSwing	2/1/2022	9.265999712
DracutSwing	3/1/2022	5.60200018
DracutSwing	4/1/2022	0
DracutSwing	5/1/2022	0
DracutSwing	6/1/2022	0
DracutSwing	7/1/2022	0
DracutSwing	8/1/2022	0
DracutSwing	9/1/2022	0
DracutSwing	10/1/2022	0
DracutSwing	11/1/2022	0
DracutSwing	12/1/2022	7.04000006
DracutSwing	1/1/2023	9.340999554
DracutSwing	2/1/2023	9.272000279
DracutSwing	3/1/2023	5.628000055
DracutSwing	4/1/2023	0
DracutSwing	5/1/2023	0
DracutSwing	6/1/2023	0
DracutSwing	7/1/2023	0
DracutSwing	8/1/2023	0
DracutSwing	9/1/2023	0
DracutSwing	10/1/2023	0
DracutSwing	11/1/2023	0
DracutSwing	12/1/2023	7.151999754
DracutSwing	1/1/2024	9.453999707
DracutSwing	2/1/2024	9.389999235
DracutSwing	3/1/2024	5.752000202
DracutSwing	4/1/2024	0
DracutSwing	5/1/2024	0
DracutSwing	6/1/2024	0
DracutSwing	7/1/2024	0
DracutSwing	8/1/2024	0
DracutSwing	9/1/2024	0
DracutSwing	10/1/2024	0

REDACTED

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Commodity per Dth

Table VI-A-4

Supply	Date	Commodity per Dth
[redacted]		

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Table VI-A-4

Supply	Date	Commodity per Dth
[redacted]		

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Design Year
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Supply	Date	Commodity per Dth
[redacted]		
MPL_East	11/1/2019	2.056999796
MPL_East	12/1/2019	2.317000075
MPL_East	1/1/2020	2.428000045
MPL_East	2/1/2020	2.42300001
MPL_East	3/1/2020	2.358000151
MPL_East	4/1/2020	2.13799992
MPL_East	5/1/2020	2.031999997
MPL_East	6/1/2020	2.030000051
MPL_East	7/1/2020	0
MPL_East	8/1/2020	0
MPL_East	9/1/2020	1.906999952
MPL_East	10/1/2020	1.948999932
MPL_East	11/1/2020	2.176999897
MPL_East	12/1/2020	2.403999969
MPL_East	1/1/2021	2.495000093
MPL_East	2/1/2021	2.481000017
MPL_East	3/1/2021	2.370999934
MPL_East	4/1/2021	2.125999893
MPL_East	5/1/2021	2.013999936
MPL_East	6/1/2021	1.994000007
MPL_East	7/1/2021	1.995999987
MPL_East	8/1/2021	2.025999973
MPL_East	9/1/2021	0
MPL_East	10/1/2021	1.943000092

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Table VI-A-4

Supply	Date	Commodity per Dth
MPL_East	11/1/2021	2.162999878
MPL_East	12/1/2021	2.387999919
MPL_East	1/1/2022	2.5199999
MPL_East	2/1/2022	2.47299996
MPL_East	3/1/2022	2.295000034
MPL_East	4/1/2022	2.054999926
MPL_East	5/1/2022	1.915999968
MPL_East	6/1/2022	0
MPL_East	7/1/2022	1.903999915
MPL_East	8/1/2022	0
MPL_East	9/1/2022	0
MPL_East	10/1/2022	1.873999999
MPL_East	11/1/2022	2.133999828
MPL_East	12/1/2022	2.352999971
MPL_East	1/1/2023	2.484000004
MPL_East	2/1/2023	2.440000089
MPL_East	3/1/2023	2.271999988
MPL_East	4/1/2023	2.074999978
MPL_East	5/1/2023	1.991999914
MPL_East	6/1/2023	0
MPL_East	7/1/2023	0
MPL_East	8/1/2023	0
MPL_East	9/1/2023	0
MPL_East	10/1/2023	1.984999936
MPL_East	11/1/2023	2.229999792
MPL_East	12/1/2023	2.455999916
MPL_East	1/1/2024	2.60200005
MPL_East	2/1/2024	2.610000002
MPL_East	3/1/2024	2.455000056
MPL_East	4/1/2024	0
MPL_East	5/1/2024	2.087999892
MPL_East	6/1/2024	0
MPL_East	7/1/2024	0
MPL_East	8/1/2024	0
MPL_East	9/1/2024	0
MPL_East	10/1/2024	2.069000067
Niagara	11/1/2019	2.077999828
Niagara	12/1/2019	2.453000028
Niagara	1/1/2020	2.577999957
Niagara	2/1/2020	2.567999873
Niagara	3/1/2020	2.529000065
Niagara	4/1/2020	2.305999815
Niagara	5/1/2020	0
Niagara	6/1/2020	0
Niagara	7/1/2020	0
Niagara	8/1/2020	0
Niagara	9/1/2020	0
Niagara	10/1/2020	0

REDACTED

Table VI-A-4

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Supply	Date	Commodity per Dth
Niagara	11/1/2020	2.25000003
Niagara	12/1/2020	2.539999938
Niagara	1/1/2021	2.67499998
Niagara	2/1/2021	2.666000078
Niagara	3/1/2021	2.574999991
Niagara	4/1/2021	2.365000087
Niagara	5/1/2021	0
Niagara	6/1/2021	0
Niagara	7/1/2021	0
Niagara	8/1/2021	0
Niagara	9/1/2021	0
Niagara	10/1/2021	0
Niagara	11/1/2021	2.25000003
Niagara	12/1/2021	2.550000051
Niagara	1/1/2022	2.706000079
Niagara	2/1/2022	2.683999985
Niagara	3/1/2022	2.578999787
Niagara	4/1/2022	2.354000021
Niagara	5/1/2022	0
Niagara	6/1/2022	0
Niagara	7/1/2022	0
Niagara	8/1/2022	0
Niagara	9/1/2022	0
Niagara	10/1/2022	0
Niagara	11/1/2022	2.250999828
Niagara	12/1/2022	2.557999959
Niagara	1/1/2023	2.713999987
Niagara	2/1/2023	2.687999922
Niagara	3/1/2023	2.600999884
Niagara	4/1/2023	2.416000193
Niagara	5/1/2023	0
Niagara	6/1/2023	0
Niagara	7/1/2023	0
Niagara	8/1/2023	0
Niagara	9/1/2023	0
Niagara	10/1/2023	0
Niagara	11/1/2023	2.360000005
Niagara	12/1/2023	2.665000095
Niagara	1/1/2024	2.824000089
Niagara	2/1/2024	2.800999912
Niagara	3/1/2024	2.721999872
Niagara	4/1/2024	2.54000007
Niagara	5/1/2024	0
Niagara	6/1/2024	0
Niagara	7/1/2024	0
Niagara	8/1/2024	0
Niagara	9/1/2024	0
Niagara	10/1/2024	0

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Table VI-A-4

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Supply	Date	Commodity per Dth
TCO Appalach	11/1/2019	2.202000009
TCO Appalach	12/1/2019	2.411999922
TCO Appalach	1/1/2020	2.52299998
TCO Appalach	2/1/2020	2.518000035
TCO Appalach	3/1/2020	2.433000056
TCO Appalach	4/1/2020	2.242999995
TCO Appalach	5/1/2020	2.183999882
TCO Appalach	6/1/2020	2.174000047
TCO Appalach	7/1/2020	2.178000021
TCO Appalach	8/1/2020	2.150999969
TCO Appalach	9/1/2020	2.113999904
TCO Appalach	10/1/2020	2.144000048
TCO Appalach	11/1/2020	2.269999996
TCO Appalach	12/1/2020	2.430000037
TCO Appalach	1/1/2021	2.571999981
TCO Appalach	2/1/2021	2.563999912
TCO Appalach	3/1/2021	2.387999962
TCO Appalach	4/1/2021	2.156000068
TCO Appalach	5/1/2021	2.105999917
TCO Appalach	6/1/2021	2.10199999
TCO Appalach	7/1/2021	2.130999903
TCO Appalach	8/1/2021	2.101000047
TCO Appalach	9/1/2021	2.081999943
TCO Appalach	10/1/2021	0
TCO Appalach	11/1/2021	2.229999993
TCO Appalach	12/1/2021	2.415999947
TCO Appalach	1/1/2022	2.548000016
TCO Appalach	2/1/2022	2.517999937
TCO Appalach	3/1/2022	2.348000094
TCO Appalach	4/1/2022	2.037999999
TCO Appalach	5/1/2022	1.983000117
TCO Appalach	6/1/2022	1.976000084
TCO Appalach	7/1/2022	2.004000009
TCO Appalach	8/1/2022	1.974000058
TCO Appalach	9/1/2022	1.947000014
TCO Appalach	10/1/2022	2.011
TCO Appalach	11/1/2022	2.200999988
TCO Appalach	12/1/2022	2.389999975
TCO Appalach	1/1/2023	2.531000101
TCO Appalach	2/1/2023	2.497999947
TCO Appalach	3/1/2023	2.390000111
TCO Appalach	4/1/2023	2.085000012
TCO Appalach	5/1/2023	2.05600004
TCO Appalach	6/1/2023	2.059000095
TCO Appalach	7/1/2023	0
TCO Appalach	8/1/2023	2.072999996
TCO Appalach	9/1/2023	2.045999899
TCO Appalach	10/1/2023	2.118000109

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Table VI-A-4

Supply	Date	Commodity per Dth
TCO Appalach	11/1/2023	2.293999936
TCO Appalach	12/1/2023	2.473999931
TCO Appalach	1/1/2024	2.623999921
TCO Appalach	2/1/2024	2.60199999
TCO Appalach	3/1/2024	2.492000046
TCO Appalach	4/1/2024	2.199999864
TCO Appalach	5/1/2024	2.167999974
TCO Appalach	6/1/2024	2.161000086
TCO Appalach	7/1/2024	2.187999966
TCO Appalach	8/1/2024	2.160000018
TCO Appalach	9/1/2024	2.132999887
TCO Appalach	10/1/2024	2.2019998
TCO M3	11/1/2019	2.311999985
TCO M3	12/1/2019	3.121999982
TCO M3	1/1/2020	5.618000051
TCO M3	2/1/2020	5.517999895
TCO M3	3/1/2020	2.802999975
TCO M3	4/1/2020	2.290000133
TCO M3	5/1/2020	2.144000175
TCO M3	6/1/2020	0
TCO M3	7/1/2020	0
TCO M3	8/1/2020	0
TCO M3	9/1/2020	0
TCO M3	10/1/2020	2.043999992
TCO M3	11/1/2020	2.376999873
TCO M3	12/1/2020	3.199999718
TCO M3	1/1/2021	5.78199971
TCO M3	2/1/2021	5.706000052
TCO M3	3/1/2021	2.831000213
TCO M3	4/1/2021	2.258000094
TCO M3	5/1/2021	0
TCO M3	6/1/2021	0
TCO M3	7/1/2021	0
TCO M3	8/1/2021	0
TCO M3	9/1/2021	0
TCO M3	10/1/2021	2.062999964
TCO M3	11/1/2021	2.390000102
TCO M3	12/1/2021	3.218000019
TCO M3	1/1/2022	5.750000196
TCO M3	2/1/2022	5.646000205
TCO M3	3/1/2022	2.844999839
TCO M3	4/1/2022	2.105000144
TCO M3	5/1/2022	1.973000046
TCO M3	6/1/2022	0
TCO M3	7/1/2022	0
TCO M3	8/1/2022	0
TCO M3	9/1/2022	1.806999984
TCO M3	10/1/2022	1.920999987

REDACTED

Table VI-A-4

National Grid Rhode Island
Design Year
SCC Adj FT1
Commodity per Dth

Supply	Date	Commodity per Dth
TCO M3	11/1/2022	2.367999978
TCO M3	12/1/2022	3.146000083
TCO M3	1/1/2023	5.600999812
TCO M3	2/1/2023	5.498000037
TCO M3	3/1/2023	2.72199975
TCO M3	4/1/2023	2.150000123
TCO M3	5/1/2023	2.031999919
TCO M3	6/1/2023	0
TCO M3	7/1/2023	0
TCO M3	8/1/2023	0
TCO M3	9/1/2023	1.895999964
TCO M3	10/1/2023	2.012000041
TCO M3	11/1/2023	2.380000031
TCO M3	12/1/2023	3.153999987
TCO M3	1/1/2024	5.678999851
TCO M3	2/1/2024	5.58700004
TCO M3	3/1/2024	2.812000004
TCO M3	4/1/2024	2.244999988
TCO M3	5/1/2024	2.123999983
TCO M3	6/1/2024	0
TCO M3	7/1/2024	0
TCO M3	8/1/2024	0
TCO M3	9/1/2024	1.983000127
TCO M3	10/1/2024	2.096000103
Tetco M2	11/1/2019	2.032000032
Tetco M2	12/1/2019	2.302000055
Tetco M2	1/1/2020	2.433000088
Tetco M2	2/1/2020	2.415999936
Tetco M2	3/1/2020	2.367999935
Tetco M2	4/1/2020	2.11799992
Tetco M2	5/1/2020	1.992000069
Tetco M2	6/1/2020	1.986999829
Tetco M2	7/1/2020	2.035000138
Tetco M2	8/1/2020	2.004000112
Tetco M2	9/1/2020	1.852000008
Tetco M2	10/1/2020	1.919000043
Tetco M2	11/1/2020	2.137000004
Tetco M2	12/1/2020	2.380000086
Tetco M2	1/1/2021	2.5
Tetco M2	2/1/2021	2.493999848
Tetco M2	3/1/2021	2.376000009
Tetco M2	4/1/2021	2.119000074
Tetco M2	5/1/2021	1.992999979
Tetco M2	6/1/2021	1.962000002
Tetco M2	7/1/2021	2.000999991
Tetco M2	8/1/2021	2.017999972
Tetco M2	9/1/2021	1.884000096
Tetco M2	10/1/2021	1.932999993

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National Grid Rhode Island
Design Year
SCC Adj FT1
Commodity per Dth

Table VI-A-4

Supply	Date	Commodity per Dth
Tetco M2	11/1/2021	2.15700007
Tetco M2	12/1/2021	2.373000085
Tetco M2	1/1/2022	2.511999866
Tetco M2	2/1/2022	2.463000165
Tetco M2	3/1/2022	2.282999873
Tetco M2	4/1/2022	2.048000013
Tetco M2	5/1/2022	1.893999981
Tetco M2	6/1/2022	1.902999977
Tetco M2	7/1/2022	1.908000027
Tetco M2	8/1/2022	1.930999984
Tetco M2	9/1/2022	1.819999989
Tetco M2	10/1/2022	1.863999983
Tetco M2	11/1/2022	2.127999851
Tetco M2	12/1/2022	2.338000082
Tetco M2	1/1/2023	2.474999992
Tetco M2	2/1/2023	2.429999955
Tetco M2	3/1/2023	2.261000074
Tetco M2	4/1/2023	2.067999793
Tetco M2	5/1/2023	1.969999978
Tetco M2	6/1/2023	1.987000082
Tetco M2	7/1/2023	2.011000011
Tetco M2	8/1/2023	2.040000032
Tetco M2	9/1/2023	1.929000099
Tetco M2	10/1/2023	1.975000012
Tetco M2	11/1/2023	2.223999996
Tetco M2	12/1/2023	2.44099995
Tetco M2	1/1/2024	2.593000075
Tetco M2	2/1/2024	2.600000017
Tetco M2	3/1/2024	2.442999992
Tetco M2	4/1/2024	2.22299993
Tetco M2	5/1/2024	2.066999936
Tetco M2	6/1/2024	2.073999974
Tetco M2	7/1/2024	2.102999855
Tetco M2	8/1/2024	2.126999914
Tetco M2	9/1/2024	2.016000095
Tetco M2	10/1/2024	2.059000026
Tetco M3	11/1/2019	2.312000004
Tetco M3	12/1/2019	3.121999966
Tetco M3	1/1/2020	5.6179999
Tetco M3	2/1/2020	5.517999836
Tetco M3	3/1/2020	2.802999992
Tetco M3	4/1/2020	2.290000035
Tetco M3	5/1/2020	2.14399992
Tetco M3	6/1/2020	0
Tetco M3	7/1/2020	0
Tetco M3	8/1/2020	0
Tetco M3	9/1/2020	2.004000019
Tetco M3	10/1/2020	2.044000016

REDACTED

Table VI-A-4

National Grid Rhode Island
Design Year
SCC Adj FT1
Commodity per Dth

Supply	Date	Commodity per Dth
Tetco M3	11/1/2020	2.376999905
Tetco M3	12/1/2020	3.199999879
Tetco M3	1/1/2021	5.78200002
Tetco M3	2/1/2021	5.705999774
Tetco M3	3/1/2021	2.831000033
Tetco M3	4/1/2021	2.257999919
Tetco M3	5/1/2021	2.113999841
Tetco M3	6/1/2021	0
Tetco M3	7/1/2021	0
Tetco M3	8/1/2021	0
Tetco M3	9/1/2021	1.956000027
Tetco M3	10/1/2021	2.063000064
Tetco M3	11/1/2021	2.390000009
Tetco M3	12/1/2021	3.217999801
Tetco M3	1/1/2022	5.749999955
Tetco M3	2/1/2022	5.64600015
Tetco M3	3/1/2022	2.845000166
Tetco M3	4/1/2022	2.105000017
Tetco M3	5/1/2022	1.972999982
Tetco M3	6/1/2022	1.978000025
Tetco M3	7/1/2022	2.006000032
Tetco M3	8/1/2022	1.996999989
Tetco M3	9/1/2022	1.807000055
Tetco M3	10/1/2022	1.920999934
Tetco M3	11/1/2022	2.368000108
Tetco M3	12/1/2022	3.145999966
Tetco M3	1/1/2023	5.600999805
Tetco M3	2/1/2023	5.497999863
Tetco M3	3/1/2023	2.722000151
Tetco M3	4/1/2023	2.149999958
Tetco M3	5/1/2023	2.032000009
Tetco M3	6/1/2023	2.048999927
Tetco M3	7/1/2023	2.083999984
Tetco M3	8/1/2023	2.080000006
Tetco M3	9/1/2023	1.896000165
Tetco M3	10/1/2023	2.011999994
Tetco M3	11/1/2023	2.379999944
Tetco M3	12/1/2023	3.154
Tetco M3	1/1/2024	5.678999969
Tetco M3	2/1/2024	5.587000065
Tetco M3	3/1/2024	2.812000049
Tetco M3	4/1/2024	2.245000067
Tetco M3	5/1/2024	2.124000002
Tetco M3	6/1/2024	2.130999976
Tetco M3	7/1/2024	2.17600011
Tetco M3	8/1/2024	2.166999977
Tetco M3	9/1/2024	1.983000023
Tetco M3	10/1/2024	2.095999993

REDACTED

Table VI-A-4

National Grid Rhode Island
Design Year
SCC Adj FT1
Commodity per Dth

Supply	Date	Commodity per Dth
TGP Z4	11/1/2019	2.26400002
TGP Z4	12/1/2019	2.526999992
TGP Z4	1/1/2020	2.638999944
TGP Z4	2/1/2020	2.632000144
TGP Z4	3/1/2020	2.567000089
TGP Z4	4/1/2020	2.290000093
TGP Z4	5/1/2020	2.186000132
TGP Z4	6/1/2020	2.182000064
TGP Z4	7/1/2020	2.22600012
TGP Z4	8/1/2020	2.202000005
TGP Z4	9/1/2020	2.061000025
TGP Z4	10/1/2020	2.102999998
TGP Z4	11/1/2020	2.382999958
TGP Z4	12/1/2020	2.607000154
TGP Z4	1/1/2021	2.698000014
TGP Z4	2/1/2021	2.682000041
TGP Z4	3/1/2021	2.574000132
TGP Z4	4/1/2021	2.273999968
TGP Z4	5/1/2021	2.162
TGP Z4	6/1/2021	2.141000016
TGP Z4	7/1/2021	2.141999956
TGP Z4	8/1/2021	2.173999912
TGP Z4	9/1/2021	2.063999969
TGP Z4	10/1/2021	2.090000094
TGP Z4	11/1/2021	2.367999896
TGP Z4	12/1/2021	2.58899997
TGP Z4	1/1/2022	2.719000014
TGP Z4	2/1/2022	2.673000061
TGP Z4	3/1/2022	2.5
TGP Z4	4/1/2022	2.182000042
TGP Z4	5/1/2022	2.07999993
TGP Z4	6/1/2022	2.058999885
TGP Z4	7/1/2022	2.0599999
TGP Z4	8/1/2022	2.089999978
TGP Z4	9/1/2022	1.985999984
TGP Z4	10/1/2022	2.010999997
TGP Z4	11/1/2022	2.330999943
TGP Z4	12/1/2022	2.556000208
TGP Z4	1/1/2023	2.685000106
TGP Z4	2/1/2023	2.636000152
TGP Z4	3/1/2023	2.483999933
TGP Z4	4/1/2023	2.240999907
TGP Z4	5/1/2023	2.153999878
TGP Z4	6/1/2023	2.142000103
TGP Z4	7/1/2023	2.151000072
TGP Z4	8/1/2023	2.187999956
TGP Z4	9/1/2023	2.086000056
TGP Z4	10/1/2023	2.117999971

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National Grid Rhode Island
Design Year
SCC Adj FT1
Commodity per Dth

Table VI-A-4

Supply	Date	Commodity per Dth
TGP Z4	11/1/2023	2.461000104
TGP Z4	12/1/2023	2.6849999
TGP Z4	1/1/2024	2.81800018
TGP Z4	2/1/2024	2.773000076
TGP Z4	3/1/2024	2.625999998
TGP Z4	4/1/2024	2.344000029
TGP Z4	5/1/2024	2.25499991
TGP Z4	6/1/2024	2.234000098
TGP Z4	7/1/2024	2.243000109
TGP Z4	8/1/2024	2.275000165
TGP Z4	9/1/2024	2.173000093
TGP Z4	10/1/2024	2.202000148
Transco_Leid	11/1/2019	2.020000134
Transco_Leid	12/1/2019	2.310000064
Transco_Leid	1/1/2020	2.448000032
Transco_Leid	2/1/2020	2.445999977
Transco_Leid	3/1/2020	2.338000066
Transco_Leid	4/1/2020	2.050000132
Transco_Leid	5/1/2020	1.931999932
Transco_Leid	6/1/2020	1.95000004
Transco_Leid	7/1/2020	1.972000042
Transco_Leid	8/1/2020	1.948000089
Transco_Leid	9/1/2020	1.830000057
Transco_Leid	10/1/2020	1.866000117
Transco_Leid	11/1/2020	2.087000055
Transco_Leid	12/1/2020	2.364000026
Transco_Leid	1/1/2021	2.410000015
Transco_Leid	2/1/2021	2.405999892
Transco_Leid	3/1/2021	2.298000007
Transco_Leid	4/1/2021	1.994000123
Transco_Leid	5/1/2021	1.909000141
Transco_Leid	6/1/2021	1.882000103
Transco_Leid	7/1/2021	1.901000169
Transco_Leid	8/1/2021	1.928000051
Transco_Leid	9/1/2021	1.829000032
Transco_Leid	10/1/2021	1.866000117
Transco_Leid	11/1/2021	2.059999996
Transco_Leid	12/1/2021	2.328000051
Transco_Leid	1/1/2022	2.425000037
Transco_Leid	2/1/2022	2.379999983
Transco_Leid	3/1/2022	2.215000121
Transco_Leid	4/1/2022	1.885000042
Transco_Leid	5/1/2022	1.785999999
Transco_Leid	6/1/2022	1.813000087
Transco_Leid	7/1/2022	1.84800013
Transco_Leid	8/1/2022	1.840000158
Transco_Leid	9/1/2022	1.777000008
Transco_Leid	10/1/2022	1.826000058

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National Grid Rhode Island
Design Year
SCC Adj FT1
Commodity per Dth

Table VI-A-4

Supply	Date	Commodity per Dth
Transco_Leid	11/1/2022	2.031000045
Transco_Leid	12/1/2022	2.258000145
Transco_Leid	1/1/2023	2.38800014
Transco_Leid	2/1/2023	2.350000087
Transco_Leid	3/1/2023	2.198000056
Transco_Leid	4/1/2023	1.921999965
Transco_Leid	5/1/2023	1.856000103
Transco_Leid	6/1/2023	1.886000089
Transco_Leid	7/1/2023	1.948000081
Transco_Leid	8/1/2023	1.946000038
Transco_Leid	9/1/2023	0
Transco_Leid	10/1/2023	1.940000108
Transco_Leid	11/1/2023	2.084000117
Transco_Leid	12/1/2023	2.319000156
Transco_Leid	1/1/2024	2.449000151
Transco_Leid	2/1/2024	2.414000088
Transco_Leid	3/1/2024	2.272000047
Transco_Leid	4/1/2024	1.994999966
Transco_Leid	5/1/2024	1.87400009
Transco_Leid	6/1/2024	1.895999953
Transco_Leid	7/1/2024	2.040000059
Transco_Leid	8/1/2024	2.033000009
Transco_Leid	9/1/2024	0
Transco_Leid	10/1/2024	2.024000114
Waddy	11/1/2019	2.323999913
Waddy	12/1/2019	2.873000079
Waddy	1/1/2020	5.073000125
Waddy	2/1/2020	4.897000131
Waddy	3/1/2020	2.691999941
Waddy	4/1/2020	2.069000053
Waddy	5/1/2020	1.996999905
Waddy	6/1/2020	2.132000042
Waddy	7/1/2020	2.169999876
Waddy	8/1/2020	2.157000031
Waddy	9/1/2020	2.018000069
Waddy	10/1/2020	0
Waddy	11/1/2020	2.31099994
Waddy	12/1/2020	3.361999827
Waddy	1/1/2021	5.544000089
Waddy	2/1/2021	5.563999839
Waddy	3/1/2021	3.014999931
Waddy	4/1/2021	2.127000134
Waddy	5/1/2021	2.037999948
Waddy	6/1/2021	2.176999961
Waddy	7/1/2021	0
Waddy	8/1/2021	2.18799996
Waddy	9/1/2021	2.06400002
Waddy	10/1/2021	0

REDACTED

Table VI-A-4

National Grid Rhode Island
Design Year
SCC Adj FT1
Commodity per Dth

Supply	Date	Commodity per Dth
Waddy	11/1/2021	2.338000043
Waddy	12/1/2021	3.342000064
Waddy	1/1/2022	5.297999971
Waddy	2/1/2022	5.139000053
Waddy	3/1/2022	3.373999792
Waddy	4/1/2022	2.125000071
Waddy	5/1/2022	2.039999971
Waddy	6/1/2022	0
Waddy	7/1/2022	0
Waddy	8/1/2022	0
Waddy	9/1/2022	0
Waddy	10/1/2022	0
Waddy	11/1/2022	2.298000031
Waddy	12/1/2022	3.289999955
Waddy	1/1/2023	5.214999992
Waddy	2/1/2023	5.054000242
Waddy	3/1/2023	3.338999723
Waddy	4/1/2023	2.184999964
Waddy	5/1/2023	2.114999916
Waddy	6/1/2023	0
Waddy	7/1/2023	0
Waddy	8/1/2023	0
Waddy	9/1/2023	0
Waddy	10/1/2023	0
Waddy	11/1/2023	2.36799999
Waddy	12/1/2023	3.344999877
Waddy	1/1/2024	5.239000038
Waddy	2/1/2024	5.084000406
Waddy	3/1/2024	3.405999856
Waddy	4/1/2024	2.305000002
Waddy	5/1/2024	2.231999977
Waddy	6/1/2024	0
Waddy	7/1/2024	0
Waddy	8/1/2024	0
Waddy	9/1/2024	0
Waddy	10/1/2024	0
[redacted]		

REDACTED

National Grid Rhode Island
Design Year
SCC Adj FT1
Commodity per Dth

Table VI-A-4

Supply	Date	Commodity per Dth
[redacted]		

REDACTED

Table VI-A-4

National Grid Rhode Island
Design Year
SCC Adj FT1
Delivered Cost per Dth

Supply	Date	Delivered Cost per Dth
AIM_M3_Ramap	11/1/2019	2.459541901
AIM_M3_Ramap	12/1/2019	3.288662629
AIM_M3_Ramap	1/1/2020	5.842966382
AIM_M3_Ramap	2/1/2020	5.739952424
AIM_M3_Ramap	3/1/2020	3.03024271
AIM_M3_Ramap	4/1/2020	2.433095764
AIM_M3_Ramap	5/1/2020	2.28117953
AIM_M3_Ramap	6/1/2020	0
AIM_M3_Ramap	7/1/2020	0
AIM_M3_Ramap	8/1/2020	0
AIM_M3_Ramap	9/1/2020	0
AIM_M3_Ramap	10/1/2020	2.17926341
AIM_M3_Ramap	11/1/2020	2.522767657
AIM_M3_Ramap	12/1/2020	3.368878685
AIM_M3_Ramap	1/1/2021	6.010945588
AIM_M3_Ramap	2/1/2021	5.932891174
AIM_M3_Ramap	3/1/2021	3.059668423
AIM_M3_Ramap	4/1/2021	2.400591883
AIM_M3_Ramap	5/1/2021	2.250604659
AIM_M3_Ramap	6/1/2021	0
AIM_M3_Ramap	7/1/2021	0
AIM_M3_Ramap	8/1/2021	0
AIM_M3_Ramap	9/1/2021	0
AIM_M3_Ramap	10/1/2021	2.201751701
AIM_M3_Ramap	11/1/2021	2.539519367
AIM_M3_Ramap	12/1/2021	3.387140019
AIM_M3_Ramap	1/1/2022	5.978542904
AIM_M3_Ramap	2/1/2022	5.871578547
AIM_M3_Ramap	3/1/2022	3.074496186
AIM_M3_Ramap	4/1/2022	2.247010324
AIM_M3_Ramap	5/1/2022	2.106903057
AIM_M3_Ramap	6/1/2022	0
AIM_M3_Ramap	7/1/2022	0
AIM_M3_Ramap	8/1/2022	0
AIM_M3_Ramap	9/1/2022	0
AIM_M3_Ramap	10/1/2022	2.056848649
AIM_M3_Ramap	11/1/2022	2.517171343
AIM_M3_Ramap	12/1/2022	3.313691719
AIM_M3_Ramap	1/1/2023	5.82643033
AIM_M3_Ramap	2/1/2023	5.719769886
AIM_M3_Ramap	3/1/2023	2.94486536
AIM_M3_Ramap	4/1/2023	2.299121006
AIM_M3_Ramap	5/1/2023	2.167033494
AIM_M3_Ramap	6/1/2023	0
AIM_M3_Ramap	7/1/2023	0
AIM_M3_Ramap	8/1/2023	0
AIM_M3_Ramap	9/1/2023	0
AIM_M3_Ramap	10/1/2023	2.149916432

REDACTED

Table VI-A-4

National Grid Rhode Island
Design Year
SCC Adj FT1
Delivered Cost per Dth

Supply	Date	Delivered Cost per Dth
AIM_M3_Ramap	11/1/2023	2.526128392
AIM_M3_Ramap	12/1/2023	3.322378438
AIM_M3_Ramap	1/1/2024	5.906723358
AIM_M3_Ramap	2/1/2024	5.811305591
AIM_M3_Ramap	3/1/2024	3.039103108
AIM_M3_Ramap	4/1/2024	2.414832056
AIM_M3_Ramap	5/1/2024	2.265685994
AIM_M3_Ramap	6/1/2024	0
AIM_M3_Ramap	7/1/2024	0
AIM_M3_Ramap	8/1/2024	0
AIM_M3_Ramap	9/1/2024	0
AIM_M3_Ramap	10/1/2024	2.235705788
[redacted]		

REDACTED

National Grid Rhode Island
Design Year
SCC Adj FT1
Delivered Cost per Dth

Table VI-A-4

Supply	Date	Delivered Cost per Dth
[redacted]		

REDACTED

National Grid Rhode Island
Design Year
SCC Adj FT1
Delivered Cost per Dth

Table VI-A-4

Supply	Date	Delivered Cost per Dth
[redacted]		
Dawn_EHere	11/1/2019	2.46656912
Dawn_EHere	12/1/2019	2.838965542
Dawn_EHere	1/1/2020	2.974660586
Dawn_EHere	2/1/2020	2.970579457
Dawn_EHere	3/1/2020	2.938660556
Dawn_EHere	4/1/2020	2.459719728
Dawn_EHere	5/1/2020	0
Dawn_EHere	6/1/2020	0
Dawn_EHere	7/1/2020	0
Dawn_EHere	8/1/2020	0
Dawn_EHere	9/1/2020	0
Dawn_EHere	10/1/2020	0

REDACTED

Table VI-A-4

National Grid Rhode Island
Design Year
SCC Adj FT1
Delivered Cost per Dth

Supply	Date	Delivered Cost per Dth
Dawn_EHere	11/1/2020	2.645347576
Dawn_EHere	12/1/2020	2.948916069
Dawn_EHere	1/1/2021	3.090444599
Dawn_EHere	2/1/2021	3.080188814
Dawn_EHere	3/1/2021	2.987887624
Dawn_EHere	4/1/2021	2.522279304
Dawn_EHere	5/1/2021	0
Dawn_EHere	6/1/2021	0
Dawn_EHere	7/1/2021	0
Dawn_EHere	8/1/2021	0
Dawn_EHere	9/1/2021	0
Dawn_EHere	10/1/2021	0
Dawn_EHere	11/1/2021	2.647398826
Dawn_EHere	12/1/2021	2.959171847
Dawn_EHere	1/1/2022	3.121211682
Dawn_EHere	2/1/2022	3.09864898
Dawn_EHere	3/1/2022	2.991989926
Dawn_EHere	4/1/2022	2.499716901
Dawn_EHere	5/1/2022	0
Dawn_EHere	6/1/2022	0
Dawn_EHere	7/1/2022	0
Dawn_EHere	8/1/2022	0
Dawn_EHere	9/1/2022	0
Dawn_EHere	10/1/2022	0
Dawn_EHere	11/1/2022	2.642270912
Dawn_EHere	12/1/2022	2.962248531
Dawn_EHere	1/1/2023	3.13146748
Dawn_EHere	2/1/2023	3.104802739
Dawn_EHere	3/1/2023	3.018654697
Dawn_EHere	4/1/2023	2.557148786
Dawn_EHere	5/1/2023	0
Dawn_EHere	6/1/2023	0
Dawn_EHere	7/1/2023	0
Dawn_EHere	8/1/2023	0
Dawn_EHere	9/1/2023	0
Dawn_EHere	10/1/2023	0
Dawn_EHere	11/1/2023	2.756109038
Dawn_EHere	12/1/2023	3.076086526
Dawn_EHere	1/1/2024	3.248382247
Dawn_EHere	2/1/2024	3.225819665
Dawn_EHere	3/1/2024	3.145825129
Dawn_EHere	4/1/2024	2.674063625
Dawn_EHere	5/1/2024	0
Dawn_EHere	6/1/2024	0
Dawn_EHere	7/1/2024	0
Dawn_EHere	8/1/2024	0
Dawn_EHere	9/1/2024	0
Dawn_EHere	10/1/2024	0

REDACTED

Table VI-A-4

National Grid Rhode Island
Design Year
SCC Adj FT1
Delivered Cost per Dth

Supply	Date	Delivered Cost per Dth
Dawn_Waddy	11/1/2019	0
Dawn_Waddy	12/1/2019	2.921566376
Dawn_Waddy	1/1/2020	3.058629584
Dawn_Waddy	2/1/2020	3.054507378
Dawn_Waddy	3/1/2020	0
Dawn_Waddy	4/1/2020	0
Dawn_Waddy	5/1/2020	0
Dawn_Waddy	6/1/2020	0
Dawn_Waddy	7/1/2020	0
Dawn_Waddy	8/1/2020	0
Dawn_Waddy	9/1/2020	0
Dawn_Waddy	10/1/2020	0
Dawn_Waddy	11/1/2020	0
Dawn_Waddy	12/1/2020	3.017227855
Dawn_Waddy	1/1/2021	3.159434822
Dawn_Waddy	2/1/2021	3.14913027
Dawn_Waddy	3/1/2021	3.056386142
Dawn_Waddy	4/1/2021	0
Dawn_Waddy	5/1/2021	0
Dawn_Waddy	6/1/2021	0
Dawn_Waddy	7/1/2021	0
Dawn_Waddy	8/1/2021	0
Dawn_Waddy	9/1/2021	0
Dawn_Waddy	10/1/2021	0
Dawn_Waddy	11/1/2021	0
Dawn_Waddy	12/1/2021	3.027532449
Dawn_Waddy	1/1/2022	3.190349469
Dawn_Waddy	2/1/2022	3.167678999
Dawn_Waddy	3/1/2022	3.060508143
Dawn_Waddy	4/1/2022	0
Dawn_Waddy	5/1/2022	0
Dawn_Waddy	6/1/2022	0
Dawn_Waddy	7/1/2022	0
Dawn_Waddy	8/1/2022	0
Dawn_Waddy	9/1/2022	0
Dawn_Waddy	10/1/2022	0
Dawn_Waddy	11/1/2022	0
Dawn_Waddy	12/1/2022	3.030623962
Dawn_Waddy	1/1/2023	3.200654404
Dawn_Waddy	2/1/2023	3.17386174
Dawn_Waddy	3/1/2023	3.087300817
Dawn_Waddy	4/1/2023	0
Dawn_Waddy	5/1/2023	0
Dawn_Waddy	6/1/2023	0
Dawn_Waddy	7/1/2023	0
Dawn_Waddy	8/1/2023	0
Dawn_Waddy	9/1/2023	0
Dawn_Waddy	10/1/2023	0

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Table VI-A-4

National Grid Rhode Island
Design Year
SCC Adj FT1
Delivered Cost per Dth

Supply	Date	Delivered Cost per Dth
Dawn_Waddy	11/1/2023	0
Dawn_Waddy	12/1/2023	3.145008088
Dawn_Waddy	1/1/2024	3.318129733
Dawn_Waddy	2/1/2024	3.295459179
Dawn_Waddy	3/1/2024	3.215081312
Dawn_Waddy	4/1/2024	0
Dawn_Waddy	5/1/2024	0
Dawn_Waddy	6/1/2024	0
Dawn_Waddy	7/1/2024	0
Dawn_Waddy	8/1/2024	0
Dawn_Waddy	9/1/2024	0
Dawn_Waddy	10/1/2024	0
Dom_SP	11/1/2019	2.213925025
Dom_SP	12/1/2019	2.484925507
Dom_SP	1/1/2020	2.607171339
Dom_SP	2/1/2020	2.606495612
Dom_SP	3/1/2020	2.530731041
Dom_SP	4/1/2020	2.299031774
Dom_SP	5/1/2020	2.185933796
Dom_SP	6/1/2020	0
Dom_SP	7/1/2020	0
Dom_SP	8/1/2020	0
Dom_SP	9/1/2020	2.059135263
Dom_SP	10/1/2020	2.10275289
Dom_SP	11/1/2020	2.33927172
Dom_SP	12/1/2020	2.58025062
Dom_SP	1/1/2021	2.676751811
Dom_SP	2/1/2021	2.667724486
Dom_SP	3/1/2021	2.544249216
Dom_SP	4/1/2021	2.386798442
Dom_SP	5/1/2021	3.315535843
Dom_SP	6/1/2021	2.145855162
Dom_SP	7/1/2021	3.207183506
Dom_SP	8/1/2021	3.312085084
Dom_SP	9/1/2021	0
Dom_SP	10/1/2021	3.394474042
Dom_SP	11/1/2021	2.324994575
Dom_SP	12/1/2021	2.558659917
Dom_SP	1/1/2022	2.695743692
Dom_SP	2/1/2022	2.646933544
Dom_SP	3/1/2022	2.465219066
Dom_SP	4/1/2022	0
Dom_SP	5/1/2022	0
Dom_SP	6/1/2022	0
Dom_SP	7/1/2022	3.47871696
Dom_SP	8/1/2022	0
Dom_SP	9/1/2022	0
Dom_SP	10/1/2022	0

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National Grid Rhode Island
Design Year
SCC Adj FT1
Delivered Cost per Dth

Table VI-A-4

Supply	Date	Delivered Cost per Dth
Dom_SP	11/1/2022	2.294877652
Dom_SP	12/1/2022	2.522311904
Dom_SP	1/1/2023	2.658357099
Dom_SP	2/1/2023	2.612662542
Dom_SP	3/1/2023	2.441302085
Dom_SP	4/1/2023	0
Dom_SP	5/1/2023	0
Dom_SP	6/1/2023	0
Dom_SP	7/1/2023	0
Dom_SP	8/1/2023	0
Dom_SP	9/1/2023	0
Dom_SP	10/1/2023	0
Dom_SP	11/1/2023	2.394574914
Dom_SP	12/1/2023	2.629278756
Dom_SP	1/1/2024	2.780901549
Dom_SP	2/1/2024	2.793441779
Dom_SP	3/1/2024	2.63159848
Dom_SP	4/1/2024	0
Dom_SP	5/1/2024	0
Dom_SP	6/1/2024	0
Dom_SP	7/1/2024	0
Dom_SP	8/1/2024	0
Dom_SP	9/1/2024	0
Dom_SP	10/1/2024	0

[redacted]

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National Grid Rhode Island
Design Year
SCC Adj FT1
Delivered Cost per Dth

Table VI-A-4

Supply	Date	Delivered Cost per Dth
[redacted]		
DracutSwing	11/1/2019	0
DracutSwing	12/1/2019	6.632000227
DracutSwing	1/1/2020	0
DracutSwing	2/1/2020	8.473000038
DracutSwing	3/1/2020	5.263000143
DracutSwing	4/1/2020	0
DracutSwing	5/1/2020	0
DracutSwing	6/1/2020	0
DracutSwing	7/1/2020	0
DracutSwing	8/1/2020	0
DracutSwing	9/1/2020	0
DracutSwing	10/1/2020	0

REDACTED

National Grid Rhode Island
Design Year
SCC Adj FT1
Delivered Cost per Dth

Table VI-A-4

Supply	Date	Delivered Cost per Dth
DracutSwing	11/1/2020	0
DracutSwing	12/1/2020	7.187000022
DracutSwing	1/1/2021	9.33499989
DracutSwing	2/1/2021	9.282999609
DracutSwing	3/1/2021	5.632999964
DracutSwing	4/1/2021	0
DracutSwing	5/1/2021	0
DracutSwing	6/1/2021	0
DracutSwing	7/1/2021	0
DracutSwing	8/1/2021	0
DracutSwing	9/1/2021	0
DracutSwing	10/1/2021	0
DracutSwing	11/1/2021	0
DracutSwing	12/1/2021	7.064999776
DracutSwing	1/1/2022	9.364999943
DracutSwing	2/1/2022	9.30100053
DracutSwing	3/1/2022	5.637000219
DracutSwing	4/1/2022	0
DracutSwing	5/1/2022	0
DracutSwing	6/1/2022	0
DracutSwing	7/1/2022	0
DracutSwing	8/1/2022	0
DracutSwing	9/1/2022	0
DracutSwing	10/1/2022	0
DracutSwing	11/1/2022	0
DracutSwing	12/1/2022	7.075
DracutSwing	1/1/2023	9.376000083
DracutSwing	2/1/2023	9.307000087
DracutSwing	3/1/2023	5.662999954
DracutSwing	4/1/2023	0
DracutSwing	5/1/2023	0
DracutSwing	6/1/2023	0
DracutSwing	7/1/2023	0
DracutSwing	8/1/2023	0
DracutSwing	9/1/2023	0
DracutSwing	10/1/2023	0
DracutSwing	11/1/2023	0
DracutSwing	12/1/2023	7.187000412
DracutSwing	1/1/2024	9.488999601
DracutSwing	2/1/2024	9.425000311
DracutSwing	3/1/2024	5.787000263
DracutSwing	4/1/2024	0
DracutSwing	5/1/2024	0
DracutSwing	6/1/2024	0
DracutSwing	7/1/2024	0
DracutSwing	8/1/2024	0
DracutSwing	9/1/2024	0
DracutSwing	10/1/2024	0

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National Grid Rhode Island
Design Year
SCC Adj FT1
Delivered Cost per Dth

Table VI-A-4

Supply	Date	Delivered Cost per Dth
[redacted]		

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National Grid Rhode Island
Design Year
SCC Adj FT1
Delivered Cost per Dth

Table VI-A-4

Supply	Date	Delivered Cost per Dth
[redacted]		

REDACTED

National Grid Rhode Island
Design Year
SCC Adj FT1
Delivered Cost per Dth

Table VI-A-4

Supply	Date	Delivered Cost per Dth
[redacted]		
MPL_East	11/1/2019	2.211993653
MPL_East	12/1/2019	2.479421377
MPL_East	1/1/2020	2.59333489
MPL_East	2/1/2020	2.588269917
MPL_East	3/1/2020	2.579366598
MPL_East	4/1/2020	2.295057024
MPL_East	5/1/2020	2.186196523
MPL_East	6/1/2020	2.184142525
MPL_East	7/1/2020	0
MPL_East	8/1/2020	0
MPL_East	9/1/2020	2.057823296
MPL_East	10/1/2020	2.100956689
MPL_East	11/1/2020	2.335109541
MPL_East	12/1/2020	2.568812851
MPL_East	1/1/2021	2.662173188
MPL_East	2/1/2021	2.647977837
MPL_East	3/1/2021	2.593065338
MPL_East	4/1/2021	2.289691512
MPL_East	5/1/2021	2.241206026
MPL_East	6/1/2021	2.147171071
MPL_East	7/1/2021	2.290972662
MPL_East	8/1/2021	2.303218305
MPL_East	9/1/2021	0
MPL_East	10/1/2021	2.245160538

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Table VI-A-4

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Design Year
SCC Adj FT1
Delivered Cost per Dth

Supply	Date	Delivered Cost per Dth
MPL_East	11/1/2021	2.320887499
MPL_East	12/1/2021	2.55241437
MPL_East	1/1/2022	2.687878904
MPL_East	2/1/2022	2.639692864
MPL_East	3/1/2022	2.513168677
MPL_East	4/1/2022	2.209817342
MPL_East	5/1/2022	2.067066223
MPL_East	6/1/2022	0
MPL_East	7/1/2022	2.103731915
MPL_East	8/1/2022	0
MPL_East	9/1/2022	0
MPL_East	10/1/2022	2.023932841
MPL_East	11/1/2022	2.291118946
MPL_East	12/1/2022	2.516497075
MPL_East	1/1/2023	2.650927817
MPL_East	2/1/2023	2.60582051
MPL_East	3/1/2023	2.488663065
MPL_East	4/1/2023	2.262202195
MPL_East	5/1/2023	2.145117016
MPL_East	6/1/2023	0
MPL_East	7/1/2023	0
MPL_East	8/1/2023	0
MPL_East	9/1/2023	0
MPL_East	10/1/2023	2.137928196
MPL_East	11/1/2023	2.389539782
MPL_East	12/1/2023	2.622246809
MPL_East	1/1/2024	2.772184881
MPL_East	2/1/2024	2.780344366
MPL_East	3/1/2024	2.681087813
MPL_East	4/1/2024	0
MPL_East	5/1/2024	2.243707751
MPL_East	6/1/2024	0
MPL_East	7/1/2024	0
MPL_East	8/1/2024	0
MPL_East	9/1/2024	0
MPL_East	10/1/2024	2.224194913
Niagara	11/1/2019	2.183830299
Niagara	12/1/2019	2.562427011
Niagara	1/1/2020	2.688625885
Niagara	2/1/2020	2.678529905
Niagara	3/1/2020	2.639155934
Niagara	4/1/2020	2.962708614
Niagara	5/1/2020	0
Niagara	6/1/2020	0
Niagara	7/1/2020	0
Niagara	8/1/2020	0
Niagara	9/1/2020	0
Niagara	10/1/2020	0

REDACTED

Table VI-A-4

National Grid Rhode Island
Design Year
SCC Adj FT1
Delivered Cost per Dth

Supply	Date	Delivered Cost per Dth
Niagara	11/1/2020	2.357479938
Niagara	12/1/2020	2.650261424
Niagara	1/1/2021	2.786556326
Niagara	2/1/2021	2.777469952
Niagara	3/1/2021	2.685597166
Niagara	4/1/2021	2.473583013
Niagara	5/1/2021	0
Niagara	6/1/2021	0
Niagara	7/1/2021	0
Niagara	8/1/2021	0
Niagara	9/1/2021	0
Niagara	10/1/2021	0
Niagara	11/1/2021	2.357480009
Niagara	12/1/2021	2.660357256
Niagara	1/1/2022	2.817853636
Niagara	2/1/2022	2.795642587
Niagara	3/1/2022	2.689635463
Niagara	4/1/2022	2.462477577
Niagara	5/1/2022	0
Niagara	6/1/2022	0
Niagara	7/1/2022	0
Niagara	8/1/2022	0
Niagara	9/1/2022	0
Niagara	10/1/2022	0
Niagara	11/1/2022	2.358489599
Niagara	12/1/2022	2.668433969
Niagara	1/1/2023	2.82593015
Niagara	2/1/2023	2.799680768
Niagara	3/1/2023	2.711846521
Niagara	4/1/2023	2.525072007
Niagara	5/1/2023	0
Niagara	6/1/2023	0
Niagara	7/1/2023	0
Niagara	8/1/2023	0
Niagara	9/1/2023	0
Niagara	10/1/2023	0
Niagara	11/1/2023	2.468535011
Niagara	12/1/2023	2.776460278
Niagara	1/1/2024	2.936985299
Niagara	2/1/2024	2.913764687
Niagara	3/1/2024	2.834006907
Niagara	4/1/2024	2.650261299
Niagara	5/1/2024	0
Niagara	6/1/2024	0
Niagara	7/1/2024	0
Niagara	8/1/2024	0
Niagara	9/1/2024	0
Niagara	10/1/2024	0

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Table VI-A-4

National Grid Rhode Island
Design Year
SCC Adj FT1
Delivered Cost per Dth

Supply	Date	Delivered Cost per Dth
TCO Appalach	11/1/2019	2.321860368
TCO Appalach	12/1/2019	2.537286221
TCO Appalach	1/1/2020	2.650813462
TCO Appalach	2/1/2020	2.645724388
TCO Appalach	3/1/2020	2.562161908
TCO Appalach	4/1/2020	2.361444003
TCO Appalach	5/1/2020	2.303994724
TCO Appalach	6/1/2020	2.247593972
TCO Appalach	7/1/2020	2.251668757
TCO Appalach	8/1/2020	2.224163476
TCO Appalach	9/1/2020	2.186471192
TCO Appalach	10/1/2020	2.217032766
TCO Appalach	11/1/2020	2.391242078
TCO Appalach	12/1/2020	2.555652603
TCO Appalach	1/1/2021	2.700811967
TCO Appalach	2/1/2021	2.692653528
TCO Appalach	3/1/2021	2.516221405
TCO Appalach	4/1/2021	2.275071581
TCO Appalach	5/1/2021	2.192599915
TCO Appalach	6/1/2021	2.17424669
TCO Appalach	7/1/2021	2.203789426
TCO Appalach	8/1/2021	2.173227983
TCO Appalach	9/1/2021	2.153872464
TCO Appalach	10/1/2021	0
TCO Appalach	11/1/2021	2.350425078
TCO Appalach	12/1/2021	2.541367669
TCO Appalach	1/1/2022	2.676325535
TCO Appalach	2/1/2022	2.645721864
TCO Appalach	3/1/2022	2.475352119
TCO Appalach	4/1/2022	2.183092989
TCO Appalach	5/1/2022	2.064570656
TCO Appalach	6/1/2022	2.045889141
TCO Appalach	7/1/2022	2.074413085
TCO Appalach	8/1/2022	2.04385164
TCO Appalach	9/1/2022	2.016346363
TCO Appalach	10/1/2022	2.127614798
TCO Appalach	11/1/2022	2.320828481
TCO Appalach	12/1/2022	2.514855073
TCO Appalach	1/1/2023	2.658979544
TCO Appalach	2/1/2023	2.625321252
TCO Appalach	3/1/2023	2.518219509
TCO Appalach	4/1/2023	2.266051911
TCO Appalach	5/1/2023	2.138430182
TCO Appalach	6/1/2023	2.130442204
TCO Appalach	7/1/2023	0
TCO Appalach	8/1/2023	2.14470401
TCO Appalach	9/1/2023	2.117198805
TCO Appalach	10/1/2023	2.236925806

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Table VI-A-4

National Grid Rhode Island
Design Year
SCC Adj FT1
Delivered Cost per Dth

Supply	Date	Delivered Cost per Dth
TCO Appalach	11/1/2023	2.415550785
TCO Appalach	12/1/2023	2.600570529
TCO Appalach	1/1/2024	2.753894827
TCO Appalach	2/1/2024	2.731461329
TCO Appalach	3/1/2024	2.622395606
TCO Appalach	4/1/2024	2.369959365
TCO Appalach	5/1/2024	2.252193892
TCO Appalach	6/1/2024	2.234350763
TCO Appalach	7/1/2024	2.26185593
TCO Appalach	8/1/2024	2.233331928
TCO Appalach	9/1/2024	2.205826694
TCO Appalach	10/1/2024	2.322615462
TCO M3	11/1/2019	2.43813833
TCO M3	12/1/2019	3.264621704
TCO M3	1/1/2020	5.811414781
TCO M3	2/1/2020	5.709379833
TCO M3	3/1/2020	2.942894953
TCO M3	4/1/2020	2.415690645
TCO M3	5/1/2020	2.255519589
TCO M3	6/1/2020	0
TCO M3	7/1/2020	0
TCO M3	8/1/2020	0
TCO M3	9/1/2020	0
TCO M3	10/1/2020	2.153484618
TCO M3	11/1/2020	2.504461041
TCO M3	12/1/2020	3.344209019
TCO M3	1/1/2021	5.978752226
TCO M3	2/1/2021	5.901205591
TCO M3	3/1/2021	2.971502423
TCO M3	4/1/2021	2.383039363
TCO M3	5/1/2021	0
TCO M3	6/1/2021	0
TCO M3	7/1/2021	0
TCO M3	8/1/2021	0
TCO M3	9/1/2021	0
TCO M3	10/1/2021	2.172871243
TCO M3	11/1/2021	2.517725531
TCO M3	12/1/2021	3.362575177
TCO M3	1/1/2022	5.946100812
TCO M3	2/1/2022	5.839984565
TCO M3	3/1/2022	2.985805911
TCO M3	4/1/2022	2.226925869
TCO M3	5/1/2022	2.081039782
TCO M3	6/1/2022	0
TCO M3	7/1/2022	0
TCO M3	8/1/2022	0
TCO M3	9/1/2022	1.911661747
TCO M3	10/1/2022	2.027981635

REDACTED

Table VI-A-4

National Grid Rhode Island
Design Year
SCC Adj FT1
Delivered Cost per Dth

Supply	Date	Delivered Cost per Dth
TCO M3	11/1/2022	2.495277963
TCO M3	12/1/2022	3.28911
TCO M3	1/1/2023	5.794068949
TCO M3	2/1/2023	5.688972417
TCO M3	3/1/2023	2.86013872
TCO M3	4/1/2023	2.27284164
TCO M3	5/1/2023	2.141240478
TCO M3	6/1/2023	0
TCO M3	7/1/2023	0
TCO M3	8/1/2023	0
TCO M3	9/1/2023	2.002472928
TCO M3	10/1/2023	2.120833423
TCO M3	11/1/2023	2.507522133
TCO M3	12/1/2023	3.297272892
TCO M3	1/1/2024	5.873655819
TCO M3	2/1/2024	5.779783921
TCO M3	3/1/2024	2.952090254
TCO M3	4/1/2024	2.369774852
TCO M3	5/1/2024	2.235112648
TCO M3	6/1/2024	0
TCO M3	7/1/2024	0
TCO M3	8/1/2024	0
TCO M3	9/1/2024	2.091243276
TCO M3	10/1/2024	2.206542793
Tetco M2	11/1/2019	2.21318581
Tetco M2	12/1/2019	2.502287644
Tetco M2	1/1/2020	2.638636854
Tetco M2	2/1/2020	2.620638377
Tetco M2	3/1/2020	2.582385734
Tetco M2	4/1/2020	2.297043147
Tetco M2	5/1/2020	2.150389779
Tetco M2	6/1/2020	2.139781149
Tetco M2	7/1/2020	2.189680809
Tetco M2	8/1/2020	2.155944835
Tetco M2	9/1/2020	2.003321673
Tetco M2	10/1/2020	2.073725544
Tetco M2	11/1/2020	2.320594151
Tetco M2	12/1/2020	2.581638431
Tetco M2	1/1/2021	2.707228779
Tetco M2	2/1/2021	2.699395605
Tetco M2	3/1/2021	2.591385961
Tetco M2	4/1/2021	2.297665965
Tetco M2	5/1/2021	2.171744204
Tetco M2	6/1/2021	2.17917119
Tetco M2	7/1/2021	2.169859251
Tetco M2	8/1/2021	2.20342204
Tetco M2	9/1/2021	1.984358891
Tetco M2	10/1/2021	2.10468904

REDACTED

Table VI-A-4

National Grid Rhode Island
Design Year
SCC Adj FT1
Delivered Cost per Dth

Supply	Date	Delivered Cost per Dth
Tetco M2	11/1/2021	2.340993204
Tetco M2	12/1/2021	2.57475251
Tetco M2	1/1/2022	2.719805975
Tetco M2	2/1/2022	2.668946939
Tetco M2	3/1/2022	2.496955566
Tetco M2	4/1/2022	2.150135171
Tetco M2	5/1/2022	1.995549855
Tetco M2	6/1/2022	2.004566577
Tetco M2	7/1/2022	2.009426219
Tetco M2	8/1/2022	2.027608558
Tetco M2	9/1/2022	1.918537052
Tetco M2	10/1/2022	1.96350897
Tetco M2	11/1/2022	2.311267327
Tetco M2	12/1/2022	2.538756581
Tetco M2	1/1/2023	2.682310929
Tetco M2	2/1/2023	2.634927279
Tetco M2	3/1/2023	2.473454819
Tetco M2	4/1/2023	2.170745975
Tetco M2	5/1/2023	2.073587863
Tetco M2	6/1/2023	2.090821353
Tetco M2	7/1/2023	2.111999933
Tetco M2	8/1/2023	2.137739074
Tetco M2	9/1/2023	2.03063986
Tetco M2	10/1/2023	2.07764681
Tetco M2	11/1/2023	2.409431132
Tetco M2	12/1/2023	2.644698175
Tetco M2	1/1/2024	2.803174738
Tetco M2	2/1/2024	2.809025523
Tetco M2	3/1/2024	2.652949292
Tetco M2	4/1/2024	2.32970704
Tetco M2	5/1/2024	2.173404875
Tetco M2	6/1/2024	2.180333969
Tetco M2	7/1/2024	2.206639633
Tetco M2	8/1/2024	2.226831503
Tetco M2	9/1/2024	2.12011641
Tetco M2	10/1/2024	2.164021337
Tetco M3	11/1/2019	2.387244899
Tetco M3	12/1/2019	3.224711803
Tetco M3	1/1/2020	5.752507791
Tetco M3	2/1/2020	5.646514986
Tetco M3	3/1/2020	2.896635662
Tetco M3	4/1/2020	2.362740355
Tetco M3	5/1/2020	2.215366922
Tetco M3	6/1/2020	0
Tetco M3	7/1/2020	0
Tetco M3	8/1/2020	0
Tetco M3	9/1/2020	2.074318698
Tetco M3	10/1/2020	2.11532788

REDACTED

Table VI-A-4

National Grid Rhode Island
Design Year
SCC Adj FT1
Delivered Cost per Dth

Supply	Date	Delivered Cost per Dth
Tetco M3	11/1/2020	2.453724384
Tetco M3	12/1/2020	3.31030664
Tetco M3	1/1/2021	5.909446919
Tetco M3	2/1/2021	5.82877475
Tetco M3	3/1/2021	2.922057661
Tetco M3	4/1/2021	2.331194792
Tetco M3	5/1/2021	2.212964351
Tetco M3	6/1/2021	0
Tetco M3	7/1/2021	0
Tetco M3	8/1/2021	0
Tetco M3	9/1/2021	2.103614358
Tetco M3	10/1/2021	2.137711324
Tetco M3	11/1/2021	2.466334612
Tetco M3	12/1/2021	3.326027236
Tetco M3	1/1/2022	5.877030548
Tetco M3	2/1/2022	5.770471143
Tetco M3	3/1/2022	2.935908893
Tetco M3	4/1/2022	2.210034482
Tetco M3	5/1/2022	2.097734479
Tetco M3	6/1/2022	2.129586635
Tetco M3	7/1/2022	2.149318648
Tetco M3	8/1/2022	2.162147465
Tetco M3	9/1/2022	1.969547764
Tetco M3	10/1/2022	2.037388939
Tetco M3	11/1/2022	2.444831985
Tetco M3	12/1/2022	3.248921936
Tetco M3	1/1/2023	5.723522913
Tetco M3	2/1/2023	5.623476961
Tetco M3	3/1/2023	2.815624142
Tetco M3	4/1/2023	2.24701852
Tetco M3	5/1/2023	2.157649864
Tetco M3	6/1/2023	2.19719434
Tetco M3	7/1/2023	2.247481187
Tetco M3	8/1/2023	2.244267978
Tetco M3	9/1/2023	2.096646127
Tetco M3	10/1/2023	2.127400209
Tetco M3	11/1/2023	2.45646468
Tetco M3	12/1/2023	3.254424949
Tetco M3	1/1/2024	5.808373845
Tetco M3	2/1/2024	5.71274713
Tetco M3	3/1/2024	2.898627212
Tetco M3	4/1/2024	2.345328515
Tetco M3	5/1/2024	2.250220587
Tetco M3	6/1/2024	2.2793692
Tetco M3	7/1/2024	2.338598015
Tetco M3	8/1/2024	2.332390619
Tetco M3	9/1/2024	2.183820923
Tetco M3	10/1/2024	2.21338564

REDACTED

Table VI-A-4

National Grid Rhode Island
Design Year
SCC Adj FT1
Delivered Cost per Dth

Supply	Date	Delivered Cost per Dth
TGP Z4	11/1/2019	2.408882284
TGP Z4	12/1/2019	2.675481403
TGP Z4	1/1/2020	2.789014074
TGP Z4	2/1/2020	2.781918262
TGP Z4	3/1/2020	2.716028747
TGP Z4	4/1/2020	2.532495321
TGP Z4	5/1/2020	2.416903223
TGP Z4	6/1/2020	2.441109997
TGP Z4	7/1/2020	2.696915635
TGP Z4	8/1/2020	2.550334362
TGP Z4	9/1/2020	2.316646501
TGP Z4	10/1/2020	2.353539325
TGP Z4	11/1/2020	2.52951069
TGP Z4	12/1/2020	2.756576079
TGP Z4	1/1/2021	2.848821495
TGP Z4	2/1/2021	2.83260239
TGP Z4	3/1/2021	2.723124531
TGP Z4	4/1/2021	2.428963473
TGP Z4	5/1/2021	2.436729805
TGP Z4	6/1/2021	2.391439819
TGP Z4	7/1/2021	2.459563731
TGP Z4	8/1/2021	2.549526956
TGP Z4	9/1/2021	2.326372913
TGP Z4	10/1/2021	2.339063761
TGP Z4	11/1/2021	2.514305543
TGP Z4	12/1/2021	2.738329707
TGP Z4	1/1/2022	2.870108835
TGP Z4	2/1/2022	2.823479281
TGP Z4	3/1/2022	2.648111834
TGP Z4	4/1/2022	2.326983091
TGP Z4	5/1/2022	2.343653311
TGP Z4	6/1/2022	2.35828908
TGP Z4	7/1/2022	2.374008456
TGP Z4	8/1/2022	2.554998902
TGP Z4	9/1/2022	2.287065387
TGP Z4	10/1/2022	2.265798594
TGP Z4	11/1/2022	2.47679907
TGP Z4	12/1/2022	2.704878101
TGP Z4	1/1/2023	2.835643523
TGP Z4	2/1/2023	2.785973095
TGP Z4	3/1/2023	2.631892908
TGP Z4	4/1/2023	2.391036188
TGP Z4	5/1/2023	2.452118318
TGP Z4	6/1/2023	2.443446945
TGP Z4	7/1/2023	2.467641247
TGP Z4	8/1/2023	2.622960582
TGP Z4	9/1/2023	2.389762248
TGP Z4	10/1/2023	2.374721856

REDACTED

Table VI-A-4

National Grid Rhode Island
Design Year
SCC Adj FT1
Delivered Cost per Dth

Supply	Date	Delivered Cost per Dth
TGP Z4	11/1/2023	2.608578215
TGP Z4	12/1/2023	2.835643555
TGP Z4	1/1/2024	2.970463526
TGP Z4	2/1/2024	2.92484777
TGP Z4	3/1/2024	2.775836143
TGP Z4	4/1/2024	2.493839971
TGP Z4	5/1/2024	2.562810879
TGP Z4	6/1/2024	2.538555247
TGP Z4	7/1/2024	2.562917308
TGP Z4	8/1/2024	2.713309804
TGP Z4	9/1/2024	2.479675976
TGP Z4	10/1/2024	2.460861388
Transco_Leid	11/1/2019	2.115098619
Transco_Leid	12/1/2019	2.425587789
Transco_Leid	1/1/2020	2.564038667
Transco_Leid	2/1/2020	2.550767206
Transco_Leid	3/1/2020	2.453096596
Transco_Leid	4/1/2020	2.152217332
Transco_Leid	5/1/2020	2.026050924
Transco_Leid	6/1/2020	2.044265201
Transco_Leid	7/1/2020	2.066527224
Transco_Leid	8/1/2020	2.042241473
Transco_Leid	9/1/2020	1.92283653
Transco_Leid	10/1/2020	1.959265144
Transco_Leid	11/1/2020	2.182896307
Transco_Leid	12/1/2020	2.486197757
Transco_Leid	1/1/2021	2.562015365
Transco_Leid	2/1/2021	2.578695406
Transco_Leid	3/1/2021	2.423548806
Transco_Leid	4/1/2021	3.112129979
Transco_Leid	5/1/2021	3.614338833
Transco_Leid	6/1/2021	3.439824688
Transco_Leid	7/1/2021	3.707562124
Transco_Leid	8/1/2021	3.726662383
Transco_Leid	9/1/2021	3.601969399
Transco_Leid	10/1/2021	3.465021095
Transco_Leid	11/1/2021	2.163971218
Transco_Leid	12/1/2021	2.446788758
Transco_Leid	1/1/2022	2.578380623
Transco_Leid	2/1/2022	2.519598298
Transco_Leid	3/1/2022	2.315365368
Transco_Leid	4/1/2022	3.439567318
Transco_Leid	5/1/2022	3.546009489
Transco_Leid	6/1/2022	3.550828699
Transco_Leid	7/1/2022	3.7122767
Transco_Leid	8/1/2022	3.601593664
Transco_Leid	9/1/2022	3.094158096
Transco_Leid	10/1/2022	3.553978143

REDACTED

Table VI-A-4

National Grid Rhode Island
Design Year
SCC Adj FT1
Delivered Cost per Dth

Supply	Date	Delivered Cost per Dth
Transco_Leid	11/1/2022	2.132991075
Transco_Leid	12/1/2022	2.397079598
Transco_Leid	1/1/2023	2.551274853
Transco_Leid	2/1/2023	2.500995955
Transco_Leid	3/1/2023	2.303144538
Transco_Leid	4/1/2023	3.053091178
Transco_Leid	5/1/2023	3.570968394
Transco_Leid	6/1/2023	3.701784009
Transco_Leid	7/1/2023	3.761081514
Transco_Leid	8/1/2023	3.71445645
Transco_Leid	9/1/2023	0
Transco_Leid	10/1/2023	3.726174863
Transco_Leid	11/1/2023	2.1933836
Transco_Leid	12/1/2023	2.437870589
Transco_Leid	1/1/2024	2.587641394
Transco_Leid	2/1/2024	2.556916956
Transco_Leid	3/1/2024	2.383252334
Transco_Leid	4/1/2024	3.559412666
Transco_Leid	5/1/2024	3.580899066
Transco_Leid	6/1/2024	3.713864566
Transco_Leid	7/1/2024	3.880457442
Transco_Leid	8/1/2024	3.782113001
Transco_Leid	9/1/2024	0
Transco_Leid	10/1/2024	3.733546092
Waddy	11/1/2019	2.432189858
Waddy	12/1/2019	2.986455253
Waddy	1/1/2020	5.207555475
Waddy	2/1/2020	5.02986767
Waddy	3/1/2020	2.803719122
Waddy	4/1/2020	2.810545491
Waddy	5/1/2020	3.097341541
Waddy	6/1/2020	3.128024555
Waddy	7/1/2020	2.585939474
Waddy	8/1/2020	3.124316412
Waddy	9/1/2020	3.063805257
Waddy	10/1/2020	0
Waddy	11/1/2020	2.419065056
Waddy	12/1/2020	3.480145377
Waddy	1/1/2021	5.683072884
Waddy	2/1/2021	5.703265288
Waddy	3/1/2021	3.129817332
Waddy	4/1/2021	2.321994941
Waddy	5/1/2021	3.029533826
Waddy	6/1/2021	3.297917411
Waddy	7/1/2021	0
Waddy	8/1/2021	3.489018337
Waddy	9/1/2021	2.995129495
Waddy	10/1/2021	0

REDACTED

Table VI-A-4

National Grid Rhode Island
Design Year
SCC Adj FT1
Delivered Cost per Dth

Supply	Date	Delivered Cost per Dth
Waddy	11/1/2021	2.446324069
Waddy	12/1/2021	3.459953635
Waddy	1/1/2022	5.434713841
Waddy	2/1/2022	5.274188803
Waddy	3/1/2022	3.492260595
Waddy	4/1/2022	2.483393524
Waddy	5/1/2022	3.171326416
Waddy	6/1/2022	0
Waddy	7/1/2022	0
Waddy	8/1/2022	0
Waddy	9/1/2022	0
Waddy	10/1/2022	0
Waddy	11/1/2022	2.40594031
Waddy	12/1/2022	3.407454929
Waddy	1/1/2023	5.350917542
Waddy	2/1/2023	5.188373244
Waddy	3/1/2023	3.456924757
Waddy	4/1/2023	2.462084545
Waddy	5/1/2023	2.68203789
Waddy	6/1/2023	0
Waddy	7/1/2023	0
Waddy	8/1/2023	0
Waddy	9/1/2023	0
Waddy	10/1/2023	0
Waddy	11/1/2023	2.476611734
Waddy	12/1/2023	3.462982189
Waddy	1/1/2024	5.375147953
Waddy	2/1/2024	5.21866102
Waddy	3/1/2024	3.524567291
Waddy	4/1/2024	2.619826475
Waddy	5/1/2024	2.695651394
Waddy	6/1/2024	0
Waddy	7/1/2024	0
Waddy	8/1/2024	0
Waddy	9/1/2024	0
Waddy	10/1/2024	0
[redacted]		

REDACTED

National Grid Rhode Island
Design Year
SCC Adj FT1
Delivered Cost per Dth

Table VI-A-4

Supply	Date	Delivered Cost per Dth
[redacted]		

REDACTED

National Grid Rhode Island
Normal Year
Sales
Commodity per Dth

Table VI-A-4

Supply	Years	Date	Commodity per Dth
AIM_M3_Ramap	2019	Nov	2.311999903
AIM_M3_Ramap	2019	Dec	3.121999859
AIM_M3_Ramap	2020	Jan	0
AIM_M3_Ramap	2020	Feb	0
AIM_M3_Ramap	2020	Mar	2.803000017
AIM_M3_Ramap	2020	Apr	2.289999847
AIM_M3_Ramap	2020	May	0
AIM_M3_Ramap	2020	Jun	0
AIM_M3_Ramap	2020	Jul	0
AIM_M3_Ramap	2020	Aug	0
AIM_M3_Ramap	2020	Sep	0
AIM_M3_Ramap	2020	Oct	2.043999948
AIM_M3_Ramap	2020	Nov	2.37700005
AIM_M3_Ramap	2020	Dec	3.2
AIM_M3_Ramap	2021	Jan	0
AIM_M3_Ramap	2021	Feb	0
AIM_M3_Ramap	2021	Mar	2.831000232
AIM_M3_Ramap	2021	Apr	2.258000088
AIM_M3_Ramap	2021	May	0
AIM_M3_Ramap	2021	Jun	0
AIM_M3_Ramap	2021	Jul	0
AIM_M3_Ramap	2021	Aug	0
AIM_M3_Ramap	2021	Sep	0
AIM_M3_Ramap	2021	Oct	2.063000065
AIM_M3_Ramap	2021	Nov	2.389999914
AIM_M3_Ramap	2021	Dec	3.218000209
AIM_M3_Ramap	2022	Jan	0
AIM_M3_Ramap	2022	Feb	0
AIM_M3_Ramap	2022	Mar	2.844999833
AIM_M3_Ramap	2022	Apr	2.104999936
AIM_M3_Ramap	2022	May	0
AIM_M3_Ramap	2022	Jun	0
AIM_M3_Ramap	2022	Jul	0
AIM_M3_Ramap	2022	Aug	0
AIM_M3_Ramap	2022	Sep	0
AIM_M3_Ramap	2022	Oct	1.92099999
AIM_M3_Ramap	2022	Nov	2.367999878
AIM_M3_Ramap	2022	Dec	3.146000007
AIM_M3_Ramap	2023	Jan	0
AIM_M3_Ramap	2023	Feb	5.498000368
AIM_M3_Ramap	2023	Mar	2.721999984
AIM_M3_Ramap	2023	Apr	2.150000112
AIM_M3_Ramap	2023	May	0
AIM_M3_Ramap	2023	Jun	0
AIM_M3_Ramap	2023	Jul	0
AIM_M3_Ramap	2023	Aug	0
AIM_M3_Ramap	2023	Sep	0
AIM_M3_Ramap	2023	Oct	2.012000087

REDACTED

National Grid Rhode Island

Table VI-A-4

Normal Year
Sales
Commodity per Dth

Supply	Years	Date	Commodity per Dth
AIM_M3_Ramap	2023	Nov	2.379999876
AIM_M3_Ramap	2023	Dec	3.153999891
AIM_M3_Ramap	2024	Jan	5.679000074
AIM_M3_Ramap	2024	Feb	5.586999903
AIM_M3_Ramap	2024	Mar	2.812000154
AIM_M3_Ramap	2024	Apr	2.244999842
AIM_M3_Ramap	2024	May	0
AIM_M3_Ramap	2024	Jun	0
AIM_M3_Ramap	2024	Jul	0
AIM_M3_Ramap	2024	Aug	0
AIM_M3_Ramap	2024	Sep	0
AIM_M3_Ramap	2024	Oct	2.09600015

[redacted]

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National Grid Rhode Island

Table VI-A-4

Normal Year
Sales
Commodity per Dth

Supply	Years	Date	Commodity per Dth
[redacted]			

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National Grid Rhode Island

Table VI-A-4

Normal Year
Sales
Commodity per Dth

Supply	Years	Date	Commodity per Dth
[redacted]			
Dawn_EHere	2019	Nov	2.381999881
Dawn_EHere	2019	Dec	2.747000059
Dawn_EHere	2020	Jan	2.880000054
Dawn_EHere	2020	Feb	2.875999833
Dawn_EHere	2020	Mar	2.829999958
Dawn_EHere	2020	Apr	2.362999978
Dawn_EHere	2020	May	0
Dawn_EHere	2020	Jun	0
Dawn_EHere	2020	Jul	0
Dawn_EHere	2020	Aug	0
Dawn_EHere	2020	Sep	0
Dawn_EHere	2020	Oct	0

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National Grid Rhode Island
Normal Year
Sales
Commodity per Dth

Table VI-A-4

Supply	Years	Date	Commodity per Dth
Dawn_EHere	2020	Nov	2.543999936
Dawn_EHere	2020	Dec	2.839999969
Dawn_EHere	2021	Jan	2.978000028
Dawn_EHere	2021	Feb	2.967999998
Dawn_EHere	2021	Mar	2.877999842
Dawn_EHere	2021	Apr	2.424000026
Dawn_EHere	2021	May	0
Dawn_EHere	2021	Jun	0
Dawn_EHere	2021	Jul	0
Dawn_EHere	2021	Aug	0
Dawn_EHere	2021	Sep	0
Dawn_EHere	2021	Oct	0
Dawn_EHere	2021	Nov	2.546000058
Dawn_EHere	2021	Dec	2.850000037
Dawn_EHere	2022	Jan	3.008000002
Dawn_EHere	2022	Feb	2.986000048
Dawn_EHere	2022	Mar	2.881999984
Dawn_EHere	2022	Apr	2.402000005
Dawn_EHere	2022	May	0
Dawn_EHere	2022	Jun	0
Dawn_EHere	2022	Jul	0
Dawn_EHere	2022	Aug	0
Dawn_EHere	2022	Sep	0
Dawn_EHere	2022	Oct	0
Dawn_EHere	2022	Nov	2.540999814
Dawn_EHere	2022	Dec	2.852999959
Dawn_EHere	2023	Jan	3.018000007
Dawn_EHere	2023	Feb	2.992000102
Dawn_EHere	2023	Mar	2.908000032
Dawn_EHere	2023	Apr	2.457999916
Dawn_EHere	2023	May	0
Dawn_EHere	2023	Jun	0
Dawn_EHere	2023	Jul	0
Dawn_EHere	2023	Aug	0
Dawn_EHere	2023	Sep	0
Dawn_EHere	2023	Oct	0
Dawn_EHere	2023	Nov	2.652000095
Dawn_EHere	2023	Dec	2.963999903
Dawn_EHere	2024	Jan	3.132000058
Dawn_EHere	2024	Feb	3.110000142
Dawn_EHere	2024	Mar	3.03200017
Dawn_EHere	2024	Apr	2.572000056
Dawn_EHere	2024	May	0
Dawn_EHere	2024	Jun	0
Dawn_EHere	2024	Jul	0
Dawn_EHere	2024	Aug	0
Dawn_EHere	2024	Sep	0
Dawn_EHere	2024	Oct	0

REDACTED

National Grid Rhode Island
Normal Year
Sales
Commodity per Dth

Table VI-A-4

Supply	Years	Date	Commodity per Dth
Dawn_Waddy	2019	Nov	0
Dawn_Waddy	2019	Dec	2.747000084
Dawn_Waddy	2020	Jan	0
Dawn_Waddy	2020	Feb	0
Dawn_Waddy	2020	Mar	0
Dawn_Waddy	2020	Apr	0
Dawn_Waddy	2020	May	0
Dawn_Waddy	2020	Jun	0
Dawn_Waddy	2020	Jul	0
Dawn_Waddy	2020	Aug	0
Dawn_Waddy	2020	Sep	0
Dawn_Waddy	2020	Oct	0
Dawn_Waddy	2020	Nov	0
Dawn_Waddy	2020	Dec	2.840000079
Dawn_Waddy	2021	Jan	2.978000009
Dawn_Waddy	2021	Feb	2.968000148
Dawn_Waddy	2021	Mar	2.878000047
Dawn_Waddy	2021	Apr	0
Dawn_Waddy	2021	May	0
Dawn_Waddy	2021	Jun	0
Dawn_Waddy	2021	Jul	0
Dawn_Waddy	2021	Aug	0
Dawn_Waddy	2021	Sep	0
Dawn_Waddy	2021	Oct	0
Dawn_Waddy	2021	Nov	0
Dawn_Waddy	2021	Dec	2.850000169
Dawn_Waddy	2022	Jan	3.007999908
Dawn_Waddy	2022	Feb	2.985999865
Dawn_Waddy	2022	Mar	2.881999842
Dawn_Waddy	2022	Apr	0
Dawn_Waddy	2022	May	0
Dawn_Waddy	2022	Jun	0
Dawn_Waddy	2022	Jul	0
Dawn_Waddy	2022	Aug	0
Dawn_Waddy	2022	Sep	0
Dawn_Waddy	2022	Oct	0
Dawn_Waddy	2022	Nov	0
Dawn_Waddy	2022	Dec	2.852999907
Dawn_Waddy	2023	Jan	3.018000249
Dawn_Waddy	2023	Feb	2.992000111
Dawn_Waddy	2023	Mar	2.907999842
Dawn_Waddy	2023	Apr	0
Dawn_Waddy	2023	May	0
Dawn_Waddy	2023	Jun	0
Dawn_Waddy	2023	Jul	0
Dawn_Waddy	2023	Aug	0
Dawn_Waddy	2023	Sep	0
Dawn_Waddy	2023	Oct	0

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National Grid Rhode Island
Normal Year
Sales
Commodity per Dth

Table VI-A-4

Supply	Years	Date	Commodity per Dth
Dawn_Waddy	2023	Nov	0
Dawn_Waddy	2023	Dec	2.963999938
Dawn_Waddy	2024	Jan	3.131999887
Dawn_Waddy	2024	Feb	3.110000063
Dawn_Waddy	2024	Mar	3.032
Dawn_Waddy	2024	Apr	0
Dawn_Waddy	2024	May	0
Dawn_Waddy	2024	Jun	0
Dawn_Waddy	2024	Jul	0
Dawn_Waddy	2024	Aug	0
Dawn_Waddy	2024	Sep	0
Dawn_Waddy	2024	Oct	0
Dom_SP	2019	Nov	2.057000047
Dom_SP	2019	Dec	2.316999798
Dom_SP	2020	Jan	2.427999865
Dom_SP	2020	Feb	2.422999992
Dom_SP	2020	Mar	2.357999865
Dom_SP	2020	Apr	2.137999814
Dom_SP	2020	May	2.031999989
Dom_SP	2020	Jun	0
Dom_SP	2020	Jul	0
Dom_SP	2020	Aug	0
Dom_SP	2020	Sep	1.906999948
Dom_SP	2020	Oct	1.948999902
Dom_SP	2020	Nov	2.177000056
Dom_SP	2020	Dec	2.404000127
Dom_SP	2021	Jan	2.494999888
Dom_SP	2021	Feb	2.481000063
Dom_SP	2021	Mar	2.370999843
Dom_SP	2021	Apr	2.125999977
Dom_SP	2021	May	2.01399982
Dom_SP	2021	Jun	1.993999919
Dom_SP	2021	Jul	1.995999955
Dom_SP	2021	Aug	2.025999955
Dom_SP	2021	Sep	0
Dom_SP	2021	Oct	1.942999978
Dom_SP	2021	Nov	2.162999994
Dom_SP	2021	Dec	2.387999865
Dom_SP	2022	Jan	2.52
Dom_SP	2022	Feb	2.473000037
Dom_SP	2022	Mar	2.294999888
Dom_SP	2022	Apr	0
Dom_SP	2022	May	0
Dom_SP	2022	Jun	0
Dom_SP	2022	Jul	1.90399982
Dom_SP	2022	Aug	0
Dom_SP	2022	Sep	0
Dom_SP	2022	Oct	0

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National Grid Rhode Island

Table VI-A-4

Normal Year
Sales
Commodity per Dth

Supply	Years	Date	Commodity per Dth
Dom_SP	2022	Nov	2.133999934
Dom_SP	2022	Dec	2.352999978
Dom_SP	2023	Jan	2.48399982
Dom_SP	2023	Feb	2.43999993
Dom_SP	2023	Mar	2.27199991
Dom_SP	2023	Apr	0
Dom_SP	2023	May	0
Dom_SP	2023	Jun	0
Dom_SP	2023	Jul	0
Dom_SP	2023	Aug	0
Dom_SP	2023	Sep	0
Dom_SP	2023	Oct	0
Dom_SP	2023	Nov	2.229999844
Dom_SP	2023	Dec	2.455999955
Dom_SP	2024	Jan	2.60199991
Dom_SP	2024	Feb	2.609999909
Dom_SP	2024	Mar	2.454999888
Dom_SP	2024	Apr	0
Dom_SP	2024	May	0
Dom_SP	2024	Jun	0
Dom_SP	2024	Jul	0
Dom_SP	2024	Aug	0
Dom_SP	2024	Sep	0
Dom_SP	2024	Oct	0

[redacted]

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National Grid Rhode Island

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Normal Year
Sales
Commodity per Dth

Supply	Years	Date	Commodity per Dth
[redacted]			
DracutSwing	2019	Nov	0
DracutSwing	2019	Dec	0
DracutSwing	2020	Jan	0
DracutSwing	2020	Feb	0
DracutSwing	2020	Mar	0
DracutSwing	2020	Apr	0
DracutSwing	2020	May	0
DracutSwing	2020	Jun	0
DracutSwing	2020	Jul	0
DracutSwing	2020	Aug	0
DracutSwing	2020	Sep	0
DracutSwing	2020	Oct	0

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National Grid Rhode Island
Normal Year
Sales
Commodity per Dth

Table VI-A-4

Supply	Years	Date	Commodity per Dth
DracutSwing	2020	Nov	0
DracutSwing	2020	Dec	0
DracutSwing	2021	Jan	0
DracutSwing	2021	Feb	0
DracutSwing	2021	Mar	0
DracutSwing	2021	Apr	0
DracutSwing	2021	May	0
DracutSwing	2021	Jun	0
DracutSwing	2021	Jul	0
DracutSwing	2021	Aug	0
DracutSwing	2021	Sep	0
DracutSwing	2021	Oct	0
DracutSwing	2021	Nov	0
DracutSwing	2021	Dec	0
DracutSwing	2022	Jan	0
DracutSwing	2022	Feb	0
DracutSwing	2022	Mar	0
DracutSwing	2022	Apr	0
DracutSwing	2022	May	0
DracutSwing	2022	Jun	0
DracutSwing	2022	Jul	0
DracutSwing	2022	Aug	0
DracutSwing	2022	Sep	0
DracutSwing	2022	Oct	0
DracutSwing	2022	Nov	0
DracutSwing	2022	Dec	0
DracutSwing	2023	Jan	0
DracutSwing	2023	Feb	0
DracutSwing	2023	Mar	5.627999563
DracutSwing	2023	Apr	0
DracutSwing	2023	May	0
DracutSwing	2023	Jun	0
DracutSwing	2023	Jul	0
DracutSwing	2023	Aug	0
DracutSwing	2023	Sep	0
DracutSwing	2023	Oct	0
DracutSwing	2023	Nov	0
DracutSwing	2023	Dec	0
DracutSwing	2024	Jan	0
DracutSwing	2024	Feb	0
DracutSwing	2024	Mar	5.751999839
DracutSwing	2024	Apr	0
DracutSwing	2024	May	0
DracutSwing	2024	Jun	0
DracutSwing	2024	Jul	0
DracutSwing	2024	Aug	0
DracutSwing	2024	Sep	0
DracutSwing	2024	Oct	0

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National Grid Rhode Island

Table VI-A-4

Normal Year
Sales
Commodity per Dth

Supply	Years	Date	Commodity per Dth
[redacted]			

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Table VI-A-4

Normal Year
Sales
Commodity per Dth

Supply	Years	Date	Commodity per Dth
[redacted]			

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National Grid Rhode Island

Table VI-A-4

Normal Year
Sales
Commodity per Dth

Supply	Years	Date	Commodity per Dth
[redacted]			
MPL_East	2019	Nov	2.056999796
MPL_East	2019	Dec	2.317000075
MPL_East	2020	Jan	2.428000045
MPL_East	2020	Feb	2.42300001
MPL_East	2020	Mar	2.357999867
MPL_East	2020	Apr	2.13799992
MPL_East	2020	May	2.031999935
MPL_East	2020	Jun	2.030000017
MPL_East	2020	Jul	0
MPL_East	2020	Aug	2.047999828
MPL_East	2020	Sep	1.906999886
MPL_East	2020	Oct	1.948999842
MPL_East	2020	Nov	2.177000008
MPL_East	2020	Dec	2.403999969
MPL_East	2021	Jan	2.495000093
MPL_East	2021	Feb	2.481000017
MPL_East	2021	Mar	2.371000097
MPL_East	2021	Apr	2.125999969
MPL_East	2021	May	2.013999936
MPL_East	2021	Jun	1.993999881
MPL_East	2021	Jul	1.995999987
MPL_East	2021	Aug	2.025999973
MPL_East	2021	Sep	0
MPL_East	2021	Oct	1.943000092

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Normal Year
Sales
Commodity per Dth

Table VI-A-4

Supply	Years	Date	Commodity per Dth
MPL_East	2021	Nov	2.162999878
MPL_East	2021	Dec	2.387999919
MPL_East	2022	Jan	2.5199999
MPL_East	2022	Feb	2.47299996
MPL_East	2022	Mar	2.294999906
MPL_East	2022	Apr	2.055000103
MPL_East	2022	May	1.915999987
MPL_East	2022	Jun	0
MPL_East	2022	Jul	1.903999915
MPL_East	2022	Aug	0
MPL_East	2022	Sep	0
MPL_East	2022	Oct	1.873999933
MPL_East	2022	Nov	2.133999828
MPL_East	2022	Dec	2.352999971
MPL_East	2023	Jan	2.484000004
MPL_East	2023	Feb	2.440000089
MPL_East	2023	Mar	2.271999988
MPL_East	2023	Apr	2.074999933
MPL_East	2023	May	1.99199989
MPL_East	2023	Jun	0
MPL_East	2023	Jul	0
MPL_East	2023	Aug	0
MPL_East	2023	Sep	0
MPL_East	2023	Oct	1.98499983
MPL_East	2023	Nov	2.229999792
MPL_East	2023	Dec	2.455999916
MPL_East	2024	Jan	2.60200005
MPL_East	2024	Feb	2.610000002
MPL_East	2024	Mar	2.455000029
MPL_East	2024	Apr	0
MPL_East	2024	May	2.08799999
MPL_East	2024	Jun	0
MPL_East	2024	Jul	0
MPL_East	2024	Aug	0
MPL_East	2024	Sep	0
MPL_East	2024	Oct	2.068999914
Niagara	2019	Nov	2.077999828
Niagara	2019	Dec	2.453000028
Niagara	2020	Jan	2.577999957
Niagara	2020	Feb	2.567999873
Niagara	2020	Mar	2.529000065
Niagara	2020	Apr	2.305999815
Niagara	2020	May	0
Niagara	2020	Jun	0
Niagara	2020	Jul	0
Niagara	2020	Aug	0
Niagara	2020	Sep	0
Niagara	2020	Oct	0

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National Grid Rhode Island
Normal Year
Sales
Commodity per Dth

Table VI-A-4

Supply	Years	Date	Commodity per Dth
Niagara	2020	Nov	2.25000003
Niagara	2020	Dec	2.539999938
Niagara	2021	Jan	2.67499998
Niagara	2021	Feb	2.666000078
Niagara	2021	Mar	2.574999991
Niagara	2021	Apr	0
Niagara	2021	May	0
Niagara	2021	Jun	0
Niagara	2021	Jul	0
Niagara	2021	Aug	0
Niagara	2021	Sep	0
Niagara	2021	Oct	0
Niagara	2021	Nov	2.25000003
Niagara	2021	Dec	2.550000051
Niagara	2022	Jan	2.706000079
Niagara	2022	Feb	2.683999985
Niagara	2022	Mar	2.57899992
Niagara	2022	Apr	0
Niagara	2022	May	0
Niagara	2022	Jun	0
Niagara	2022	Jul	0
Niagara	2022	Aug	0
Niagara	2022	Sep	0
Niagara	2022	Oct	0
Niagara	2022	Nov	2.250999828
Niagara	2022	Dec	2.557999959
Niagara	2023	Jan	2.713999987
Niagara	2023	Feb	2.687999983
Niagara	2023	Mar	2.601000058
Niagara	2023	Apr	0
Niagara	2023	May	0
Niagara	2023	Jun	0
Niagara	2023	Jul	0
Niagara	2023	Aug	0
Niagara	2023	Sep	0
Niagara	2023	Oct	0
Niagara	2023	Nov	2.360000005
Niagara	2023	Dec	2.665000095
Niagara	2024	Jan	2.824000089
Niagara	2024	Feb	2.800999912
Niagara	2024	Mar	2.722000194
Niagara	2024	Apr	0
Niagara	2024	May	0
Niagara	2024	Jun	0
Niagara	2024	Jul	0
Niagara	2024	Aug	0
Niagara	2024	Sep	0
Niagara	2024	Oct	0

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National Grid Rhode Island
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Sales
Commodity per Dth

Table VI-A-4

Supply	Years	Date	Commodity per Dth
TCO Appalach	2019	Nov	2.20200009
TCO Appalach	2019	Dec	2.412000076
TCO Appalach	2020	Jan	2.522999933
TCO Appalach	2020	Feb	2.518000091
TCO Appalach	2020	Mar	2.433000139
TCO Appalach	2020	Apr	2.243000113
TCO Appalach	2020	May	0
TCO Appalach	2020	Jun	2.174000047
TCO Appalach	2020	Jul	2.17800009
TCO Appalach	2020	Aug	2.150999969
TCO Appalach	2020	Sep	2.113999904
TCO Appalach	2020	Oct	2.143999938
TCO Appalach	2020	Nov	2.270000076
TCO Appalach	2020	Dec	2.429999965
TCO Appalach	2021	Jan	2.572000151
TCO Appalach	2021	Feb	2.563999885
TCO Appalach	2021	Mar	2.388000006
TCO Appalach	2021	Apr	2.155999939
TCO Appalach	2021	May	2.106000025
TCO Appalach	2021	Jun	2.10199999
TCO Appalach	2021	Jul	2.1310001
TCO Appalach	2021	Aug	2.101000047
TCO Appalach	2021	Sep	2.081999943
TCO Appalach	2021	Oct	2.142999952
TCO Appalach	2021	Nov	2.229999915
TCO Appalach	2021	Dec	2.415999978
TCO Appalach	2022	Jan	2.547999998
TCO Appalach	2022	Feb	2.517999789
TCO Appalach	2022	Mar	2.347999956
TCO Appalach	2022	Apr	2.037999981
TCO Appalach	2022	May	1.982999958
TCO Appalach	2022	Jun	1.976000084
TCO Appalach	2022	Jul	2.004000019
TCO Appalach	2022	Aug	1.974000058
TCO Appalach	2022	Sep	1.947000014
TCO Appalach	2022	Oct	2.011000024
TCO Appalach	2022	Nov	2.200999981
TCO Appalach	2022	Dec	2.390000122
TCO Appalach	2023	Jan	2.531000044
TCO Appalach	2023	Feb	2.497999973
TCO Appalach	2023	Mar	2.389999901
TCO Appalach	2023	Apr	2.085000011
TCO Appalach	2023	May	2.055999954
TCO Appalach	2023	Jun	2.059000095
TCO Appalach	2023	Jul	0
TCO Appalach	2023	Aug	2.072999996
TCO Appalach	2023	Sep	2.045999899
TCO Appalach	2023	Oct	2.118000025

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National Grid Rhode Island
Normal Year
Sales
Commodity per Dth

Table VI-A-4

Supply	Years	Date	Commodity per Dth
TCO Appalach	2023	Nov	2.293999966
TCO Appalach	2023	Dec	2.47400004
TCO Appalach	2024	Jan	2.624000071
TCO Appalach	2024	Feb	2.602000148
TCO Appalach	2024	Mar	2.492000052
TCO Appalach	2024	Apr	2.2
TCO Appalach	2024	May	2.168000011
TCO Appalach	2024	Jun	2.161000086
TCO Appalach	2024	Jul	2.187999927
TCO Appalach	2024	Aug	2.160000018
TCO Appalach	2024	Sep	2.132999887
TCO Appalach	2024	Oct	2.202000018
TCO M3	2019	Nov	2.312000042
TCO M3	2019	Dec	3.122000067
TCO M3	2020	Jan	0
TCO M3	2020	Feb	0
TCO M3	2020	Mar	2.803000152
TCO M3	2020	Apr	2.289999991
TCO M3	2020	May	2.144000111
TCO M3	2020	Jun	0
TCO M3	2020	Jul	0
TCO M3	2020	Aug	0
TCO M3	2020	Sep	0
TCO M3	2020	Oct	2.044000032
TCO M3	2020	Nov	2.37699996
TCO M3	2020	Dec	3.199999788
TCO M3	2021	Jan	0
TCO M3	2021	Feb	0
TCO M3	2021	Mar	2.831000066
TCO M3	2021	Apr	2.257999959
TCO M3	2021	May	0
TCO M3	2021	Jun	0
TCO M3	2021	Jul	0
TCO M3	2021	Aug	0
TCO M3	2021	Sep	1.955999961
TCO M3	2021	Oct	2.06299996
TCO M3	2021	Nov	2.390000086
TCO M3	2021	Dec	3.218000204
TCO M3	2022	Jan	0
TCO M3	2022	Feb	0
TCO M3	2022	Mar	2.845000011
TCO M3	2022	Apr	2.105000018
TCO M3	2022	May	1.972999929
TCO M3	2022	Jun	0
TCO M3	2022	Jul	0
TCO M3	2022	Aug	0
TCO M3	2022	Sep	1.807000001
TCO M3	2022	Oct	1.920999927

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National Grid Rhode Island
Normal Year
Sales
Commodity per Dth

Table VI-A-4

Supply	Years	Date	Commodity per Dth
TCO M3	2022	Nov	2.367999907
TCO M3	2022	Dec	3.146000018
TCO M3	2023	Jan	5.601000102
TCO M3	2023	Feb	5.498000131
TCO M3	2023	Mar	2.721999891
TCO M3	2023	Apr	2.149999929
TCO M3	2023	May	2.031999976
TCO M3	2023	Jun	0
TCO M3	2023	Jul	0
TCO M3	2023	Aug	0
TCO M3	2023	Sep	1.89600004
TCO M3	2023	Oct	2.01199996
TCO M3	2023	Nov	2.379999926
TCO M3	2023	Dec	3.154000123
TCO M3	2024	Jan	5.678999931
TCO M3	2024	Feb	5.587000028
TCO M3	2024	Mar	2.812000109
TCO M3	2024	Apr	2.24500008
TCO M3	2024	May	2.123999868
TCO M3	2024	Jun	0
TCO M3	2024	Jul	0
TCO M3	2024	Aug	0
TCO M3	2024	Sep	1.983000037
TCO M3	2024	Oct	2.095999983
Tetco M2	2019	Nov	2.031999988
Tetco M2	2019	Dec	2.301999913
Tetco M2	2020	Jan	2.433000021
Tetco M2	2020	Feb	2.416000048
Tetco M2	2020	Mar	2.36799995
Tetco M2	2020	Apr	2.11800001
Tetco M2	2020	May	1.991999946
Tetco M2	2020	Jun	1.987000041
Tetco M2	2020	Jul	2.035000087
Tetco M2	2020	Aug	2.003999908
Tetco M2	2020	Sep	1.852000013
Tetco M2	2020	Oct	1.918999956
Tetco M2	2020	Nov	2.137000056
Tetco M2	2020	Dec	2.379999997
Tetco M2	2021	Jan	2.50000017
Tetco M2	2021	Feb	2.49400003
Tetco M2	2021	Mar	2.375999927
Tetco M2	2021	Apr	2.119000047
Tetco M2	2021	May	1.992999878
Tetco M2	2021	Jun	1.962000064
Tetco M2	2021	Jul	2.001000123
Tetco M2	2021	Aug	2.018000039
Tetco M2	2021	Sep	1.884000082
Tetco M2	2021	Oct	1.932999907

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National Grid Rhode Island
Normal Year
Sales
Commodity per Dth

Table VI-A-4

Supply	Years	Date	Commodity per Dth
Tetco M2	2021	Nov	2.156999933
Tetco M2	2021	Dec	2.373000165
Tetco M2	2022	Jan	2.511999953
Tetco M2	2022	Feb	2.463000065
Tetco M2	2022	Mar	2.282999979
Tetco M2	2022	Apr	2.047999893
Tetco M2	2022	May	1.894000033
Tetco M2	2022	Jun	1.902999904
Tetco M2	2022	Jul	1.907999962
Tetco M2	2022	Aug	1.931000008
Tetco M2	2022	Sep	1.820000086
Tetco M2	2022	Oct	1.863999959
Tetco M2	2022	Nov	2.127999993
Tetco M2	2022	Dec	2.337999896
Tetco M2	2023	Jan	2.475000109
Tetco M2	2023	Feb	2.430000085
Tetco M2	2023	Mar	2.260999882
Tetco M2	2023	Apr	2.067999793
Tetco M2	2023	May	1.970000036
Tetco M2	2023	Jun	1.98699993
Tetco M2	2023	Jul	2.011000034
Tetco M2	2023	Aug	2.040000032
Tetco M2	2023	Sep	1.929000018
Tetco M2	2023	Oct	1.974999992
Tetco M2	2023	Nov	2.223999971
Tetco M2	2023	Dec	2.441000074
Tetco M2	2024	Jan	2.59300008
Tetco M2	2024	Feb	2.600000086
Tetco M2	2024	Mar	2.44300013
Tetco M2	2024	Apr	2.222999907
Tetco M2	2024	May	2.066999962
Tetco M2	2024	Jun	2.073999928
Tetco M2	2024	Jul	2.102999849
Tetco M2	2024	Aug	2.126999914
Tetco M2	2024	Sep	2.016000101
Tetco M2	2024	Oct	2.058999883
Tetco M3	2019	Nov	2.311999973
Tetco M3	2019	Dec	3.121999993
Tetco M3	2020	Jan	0
Tetco M3	2020	Feb	0
Tetco M3	2020	Mar	2.803000028
Tetco M3	2020	Apr	2.290000012
Tetco M3	2020	May	2.144000012
Tetco M3	2020	Jun	0
Tetco M3	2020	Jul	0
Tetco M3	2020	Aug	0
Tetco M3	2020	Sep	2.003999987
Tetco M3	2020	Oct	2.044000089

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National Grid Rhode Island
Normal Year
Sales
Commodity per Dth

Table VI-A-4

Supply	Years	Date	Commodity per Dth
Tetco M3	2020	Nov	2.377000034
Tetco M3	2020	Dec	3.200000168
Tetco M3	2021	Jan	0
Tetco M3	2021	Feb	0
Tetco M3	2021	Mar	2.831000046
Tetco M3	2021	Apr	2.257999839
Tetco M3	2021	May	2.113999937
Tetco M3	2021	Jun	0
Tetco M3	2021	Jul	0
Tetco M3	2021	Aug	0
Tetco M3	2021	Sep	1.95600005
Tetco M3	2021	Oct	2.063000062
Tetco M3	2021	Nov	2.39000019
Tetco M3	2021	Dec	3.217999824
Tetco M3	2022	Jan	0
Tetco M3	2022	Feb	0
Tetco M3	2022	Mar	2.845000023
Tetco M3	2022	Apr	2.105000129
Tetco M3	2022	May	1.973000053
Tetco M3	2022	Jun	1.977999876
Tetco M3	2022	Jul	2.006000021
Tetco M3	2022	Aug	1.99699994
Tetco M3	2022	Sep	1.806999983
Tetco M3	2022	Oct	1.921000112
Tetco M3	2022	Nov	2.367999974
Tetco M3	2022	Dec	3.145999914
Tetco M3	2023	Jan	5.600999634
Tetco M3	2023	Feb	5.498000068
Tetco M3	2023	Mar	2.721999985
Tetco M3	2023	Apr	2.149999913
Tetco M3	2023	May	2.032000044
Tetco M3	2023	Jun	2.049000034
Tetco M3	2023	Jul	2.083999916
Tetco M3	2023	Aug	2.079999968
Tetco M3	2023	Sep	1.896000089
Tetco M3	2023	Oct	2.011999966
Tetco M3	2023	Nov	2.379999904
Tetco M3	2023	Dec	3.154000072
Tetco M3	2024	Jan	5.679000155
Tetco M3	2024	Feb	5.586999806
Tetco M3	2024	Mar	2.811999967
Tetco M3	2024	Apr	2.244999984
Tetco M3	2024	May	2.123999998
Tetco M3	2024	Jun	2.131000035
Tetco M3	2024	Jul	2.176000036
Tetco M3	2024	Aug	2.167000021
Tetco M3	2024	Sep	1.983000019
Tetco M3	2024	Oct	2.096000108

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National Grid Rhode Island
Normal Year
Sales
Commodity per Dth

Table VI-A-4

Supply	Years	Date	Commodity per Dth
TGP Z4	2019	Nov	2.263999899
TGP Z4	2019	Dec	2.526999925
TGP Z4	2020	Jan	2.639000202
TGP Z4	2020	Feb	2.631999757
TGP Z4	2020	Mar	2.567000127
TGP Z4	2020	Apr	2.289999828
TGP Z4	2020	May	2.185999985
TGP Z4	2020	Jun	2.182000066
TGP Z4	2020	Jul	2.226000006
TGP Z4	2020	Aug	2.201999965
TGP Z4	2020	Sep	2.06100003
TGP Z4	2020	Oct	2.102999987
TGP Z4	2020	Nov	2.382999929
TGP Z4	2020	Dec	2.606999966
TGP Z4	2021	Jan	2.698000029
TGP Z4	2021	Feb	2.682000173
TGP Z4	2021	Mar	2.574000056
TGP Z4	2021	Apr	2.273999849
TGP Z4	2021	May	2.162000009
TGP Z4	2021	Jun	2.141000055
TGP Z4	2021	Jul	2.141999987
TGP Z4	2021	Aug	2.174000033
TGP Z4	2021	Sep	2.064000113
TGP Z4	2021	Oct	2.089999998
TGP Z4	2021	Nov	2.368000042
TGP Z4	2021	Dec	2.588999917
TGP Z4	2022	Jan	2.718999927
TGP Z4	2022	Feb	2.673000004
TGP Z4	2022	Mar	2.49999995
TGP Z4	2022	Apr	2.182000094
TGP Z4	2022	May	2.07999984
TGP Z4	2022	Jun	2.058999983
TGP Z4	2022	Jul	2.060000028
TGP Z4	2022	Aug	2.089999925
TGP Z4	2022	Sep	1.986000038
TGP Z4	2022	Oct	2.010999949
TGP Z4	2022	Nov	2.331000117
TGP Z4	2022	Dec	2.556000084
TGP Z4	2023	Jan	2.685000097
TGP Z4	2023	Feb	2.636000057
TGP Z4	2023	Mar	2.484
TGP Z4	2023	Apr	2.240999995
TGP Z4	2023	May	2.153999988
TGP Z4	2023	Jun	2.14200001
TGP Z4	2023	Jul	2.151000022
TGP Z4	2023	Aug	2.188000096
TGP Z4	2023	Sep	2.086000001
TGP Z4	2023	Oct	2.117999844

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National Grid Rhode Island
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Sales
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Table VI-A-4

Supply	Years	Date	Commodity per Dth
TGP Z4	2023	Nov	2.460999962
TGP Z4	2023	Dec	2.685000037
TGP Z4	2024	Jan	2.818000068
TGP Z4	2024	Feb	2.772999834
TGP Z4	2024	Mar	2.625999902
TGP Z4	2024	Apr	2.343999954
TGP Z4	2024	May	2.255000065
TGP Z4	2024	Jun	2.234000016
TGP Z4	2024	Jul	2.243000035
TGP Z4	2024	Aug	2.275000025
TGP Z4	2024	Sep	2.173000052
TGP Z4	2024	Oct	2.202000129
Transco_Leid	2019	Nov	2.02000012
Transco_Leid	2019	Dec	2.310000064
Transco_Leid	2020	Jan	2.448000032
Transco_Leid	2020	Feb	2.445999977
Transco_Leid	2020	Mar	2.338000066
Transco_Leid	2020	Apr	2.050000011
Transco_Leid	2020	May	1.932000047
Transco_Leid	2020	Jun	1.949999893
Transco_Leid	2020	Jul	1.972000062
Transco_Leid	2020	Aug	1.947999961
Transco_Leid	2020	Sep	1.829999959
Transco_Leid	2020	Oct	1.866000024
Transco_Leid	2020	Nov	2.087000063
Transco_Leid	2020	Dec	2.364000026
Transco_Leid	2021	Jan	2.410000015
Transco_Leid	2021	Feb	2.405999892
Transco_Leid	2021	Mar	2.298000007
Transco_Leid	2021	Apr	1.994000123
Transco_Leid	2021	May	1.909000141
Transco_Leid	2021	Jun	1.882000103
Transco_Leid	2021	Jul	1.901000169
Transco_Leid	2021	Aug	1.928000051
Transco_Leid	2021	Sep	1.829000032
Transco_Leid	2021	Oct	1.866000117
Transco_Leid	2021	Nov	2.059999996
Transco_Leid	2021	Dec	2.328000051
Transco_Leid	2022	Jan	2.425000037
Transco_Leid	2022	Feb	2.379999983
Transco_Leid	2022	Mar	2.215000121
Transco_Leid	2022	Apr	1.885000042
Transco_Leid	2022	May	1.785999999
Transco_Leid	2022	Jun	1.813000087
Transco_Leid	2022	Jul	1.84800013
Transco_Leid	2022	Aug	1.840000158
Transco_Leid	2022	Sep	1.777000008
Transco_Leid	2022	Oct	1.826000058

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National Grid Rhode Island
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Sales
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Table VI-A-4

Supply	Years	Date	Commodity per Dth
Transco_Leid	2022	Nov	2.031000045
Transco_Leid	2022	Dec	2.258000145
Transco_Leid	2023	Jan	2.38800014
Transco_Leid	2023	Feb	2.350000087
Transco_Leid	2023	Mar	2.198000056
Transco_Leid	2023	Apr	1.921999965
Transco_Leid	2023	May	1.856000103
Transco_Leid	2023	Jun	1.886000089
Transco_Leid	2023	Jul	1.948000081
Transco_Leid	2023	Aug	1.946000038
Transco_Leid	2023	Sep	0
Transco_Leid	2023	Oct	1.940000108
Transco_Leid	2023	Nov	2.084000117
Transco_Leid	2023	Dec	2.319000156
Transco_Leid	2024	Jan	2.449000151
Transco_Leid	2024	Feb	2.414000088
Transco_Leid	2024	Mar	2.272000047
Transco_Leid	2024	Apr	1.994999966
Transco_Leid	2024	May	1.87400009
Transco_Leid	2024	Jun	1.895999953
Transco_Leid	2024	Jul	2.040000059
Transco_Leid	2024	Aug	2.033000009
Transco_Leid	2024	Sep	0
Transco_Leid	2024	Oct	2.024000114
Waddy	2019	Nov	0
Waddy	2019	Dec	0
Waddy	2020	Jan	0
Waddy	2020	Feb	0
Waddy	2020	Mar	2.691999929
Waddy	2020	Apr	2.069000053
Waddy	2020	May	1.996999905
Waddy	2020	Jun	2.132000042
Waddy	2020	Jul	2.169999876
Waddy	2020	Aug	2.157000031
Waddy	2020	Sep	2.018000069
Waddy	2020	Oct	0
Waddy	2020	Nov	2.31099994
Waddy	2020	Dec	0
Waddy	2021	Jan	0
Waddy	2021	Feb	0
Waddy	2021	Mar	0
Waddy	2021	Apr	2.127000134
Waddy	2021	May	2.037999948
Waddy	2021	Jun	2.176999961
Waddy	2021	Jul	0
Waddy	2021	Aug	2.18799996
Waddy	2021	Sep	2.06400002
Waddy	2021	Oct	0

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National Grid Rhode Island
Normal Year
Sales
Commodity per Dth

Table VI-A-4

Supply	Years	Date	Commodity per Dth
Waddy	2021	Nov	2.338000043
Waddy	2021	Dec	0
Waddy	2022	Jan	0
Waddy	2022	Feb	0
Waddy	2022	Mar	0
Waddy	2022	Apr	2.125000071
Waddy	2022	May	2.039999971
Waddy	2022	Jun	0
Waddy	2022	Jul	0
Waddy	2022	Aug	0
Waddy	2022	Sep	0
Waddy	2022	Oct	0
Waddy	2022	Nov	2.298000031
Waddy	2022	Dec	3.290000141
Waddy	2023	Jan	5.214999992
Waddy	2023	Feb	5.054000343
Waddy	2023	Mar	3.338999723
Waddy	2023	Apr	2.184999964
Waddy	2023	May	2.114999916
Waddy	2023	Jun	0
Waddy	2023	Jul	0
Waddy	2023	Aug	0
Waddy	2023	Sep	0
Waddy	2023	Oct	0
Waddy	2023	Nov	2.36799999
Waddy	2023	Dec	3.344999734
Waddy	2024	Jan	5.239000041
Waddy	2024	Feb	5.083999734
Waddy	2024	Mar	3.405999856
Waddy	2024	Apr	2.305000002
Waddy	2024	May	2.231999977
Waddy	2024	Jun	0
Waddy	2024	Jul	0
Waddy	2024	Aug	0
Waddy	2024	Sep	0
Waddy	2024	Oct	0

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National Grid Rhode Island
Normal Year
Sales
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Table VI-A-4

Supply	Years	Date	Delivered Cost per Dth
AIM_M3_Ramap	2019	Nov	2.453043322
AIM_M3_Ramap	2019	Dec	3.285700681
AIM_M3_Ramap	2020	Jan	0
AIM_M3_Ramap	2020	Feb	0
AIM_M3_Ramap	2020	Mar	3.024321038
AIM_M3_Ramap	2020	Apr	2.429976864
AIM_M3_Ramap	2020	May	0
AIM_M3_Ramap	2020	Jun	0
AIM_M3_Ramap	2020	Jul	0
AIM_M3_Ramap	2020	Aug	0
AIM_M3_Ramap	2020	Sep	0
AIM_M3_Ramap	2020	Oct	2.179263572
AIM_M3_Ramap	2020	Nov	2.519305249
AIM_M3_Ramap	2020	Dec	3.363629936
AIM_M3_Ramap	2021	Jan	0
AIM_M3_Ramap	2021	Feb	0
AIM_M3_Ramap	2021	Mar	3.053713705
AIM_M3_Ramap	2021	Apr	2.397363719
AIM_M3_Ramap	2021	May	0
AIM_M3_Ramap	2021	Jun	0
AIM_M3_Ramap	2021	Jul	0
AIM_M3_Ramap	2021	Aug	0
AIM_M3_Ramap	2021	Sep	0
AIM_M3_Ramap	2021	Oct	2.198627608
AIM_M3_Ramap	2021	Nov	2.532670912
AIM_M3_Ramap	2021	Dec	3.384392516
AIM_M3_Ramap	2022	Jan	0
AIM_M3_Ramap	2022	Feb	0
AIM_M3_Ramap	2022	Mar	3.069227598
AIM_M3_Ramap	2022	Apr	2.241432346
AIM_M3_Ramap	2022	May	0
AIM_M3_Ramap	2022	Jun	0
AIM_M3_Ramap	2022	Jul	0
AIM_M3_Ramap	2022	Aug	0
AIM_M3_Ramap	2022	Sep	0
AIM_M3_Ramap	2022	Oct	2.053906896
AIM_M3_Ramap	2022	Nov	2.51034782
AIM_M3_Ramap	2022	Dec	3.307817163
AIM_M3_Ramap	2023	Jan	0
AIM_M3_Ramap	2023	Feb	5.712219633
AIM_M3_Ramap	2023	Mar	2.938470639
AIM_M3_Ramap	2023	Apr	2.287440078
AIM_M3_Ramap	2023	May	0
AIM_M3_Ramap	2023	Jun	0
AIM_M3_Ramap	2023	Jul	0
AIM_M3_Ramap	2023	Aug	0
AIM_M3_Ramap	2023	Sep	0
AIM_M3_Ramap	2023	Oct	2.146650327

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National Grid Rhode Island
Normal Year
Sales
Delivered Cost per Dth

Table VI-A-4

Supply	Years	Date	Delivered Cost per Dth
AIM_M3_Ramap	2023	Nov	2.522760612
AIM_M3_Ramap	2023	Dec	3.315990599
AIM_M3_Ramap	2024	Jan	5.896618286
AIM_M3_Ramap	2024	Feb	5.801203671
AIM_M3_Ramap	2024	Mar	3.032626876
AIM_M3_Ramap	2024	Apr	2.384148246
AIM_M3_Ramap	2024	May	0
AIM_M3_Ramap	2024	Jun	0
AIM_M3_Ramap	2024	Jul	0
AIM_M3_Ramap	2024	Aug	0
AIM_M3_Ramap	2024	Sep	0
AIM_M3_Ramap	2024	Oct	2.232259753

[redacted]

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National Grid Rhode Island
Normal Year
Sales
Delivered Cost per Dth

Table VI-A-4

Supply	Years	Date	Delivered Cost per Dth
[redacted]			

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Table VI-A-4

National Grid Rhode Island
Normal Year
Sales
Delivered Cost per Dth

Supply	Years	Date	Delivered Cost per Dth
[redacted]			
Dawn_EHere	2019	Nov	2.46656905
Dawn_EHere	2019	Dec	2.83896537
Dawn_EHere	2020	Jan	2.974660588
Dawn_EHere	2020	Feb	2.970579667
Dawn_EHere	2020	Mar	2.938660308
Dawn_EHere	2020	Apr	2.459719588
Dawn_EHere	2020	May	0
Dawn_EHere	2020	Jun	0
Dawn_EHere	2020	Jul	0
Dawn_EHere	2020	Aug	0
Dawn_EHere	2020	Sep	0
Dawn_EHere	2020	Oct	0

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National Grid Rhode Island
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Sales
Delivered Cost per Dth

Table VI-A-4

Supply	Years	Date	Delivered Cost per Dth
Dawn_EHere	2020	Nov	2.645347465
Dawn_EHere	2020	Dec	2.948915935
Dawn_EHere	2021	Jan	3.090444671
Dawn_EHere	2021	Feb	3.080188667
Dawn_EHere	2021	Mar	2.987887636
Dawn_EHere	2021	Apr	2.522279294
Dawn_EHere	2021	May	0
Dawn_EHere	2021	Jun	0
Dawn_EHere	2021	Jul	0
Dawn_EHere	2021	Aug	0
Dawn_EHere	2021	Sep	0
Dawn_EHere	2021	Oct	0
Dawn_EHere	2021	Nov	2.647398846
Dawn_EHere	2021	Dec	2.959171747
Dawn_EHere	2022	Jan	3.121211699
Dawn_EHere	2022	Feb	3.09864918
Dawn_EHere	2022	Mar	2.991990124
Dawn_EHere	2022	Apr	2.499716793
Dawn_EHere	2022	May	0
Dawn_EHere	2022	Jun	0
Dawn_EHere	2022	Jul	0
Dawn_EHere	2022	Aug	0
Dawn_EHere	2022	Sep	0
Dawn_EHere	2022	Oct	0
Dawn_EHere	2022	Nov	2.642271083
Dawn_EHere	2022	Dec	2.962248341
Dawn_EHere	2023	Jan	3.131467177
Dawn_EHere	2023	Feb	3.104802684
Dawn_EHere	2023	Mar	3.018655018
Dawn_EHere	2023	Apr	2.557148547
Dawn_EHere	2023	May	0
Dawn_EHere	2023	Jun	0
Dawn_EHere	2023	Jul	0
Dawn_EHere	2023	Aug	0
Dawn_EHere	2023	Sep	0
Dawn_EHere	2023	Oct	0
Dawn_EHere	2023	Nov	2.756109012
Dawn_EHere	2023	Dec	3.076086654
Dawn_EHere	2024	Jan	3.248382198
Dawn_EHere	2024	Feb	3.225819498
Dawn_EHere	2024	Mar	3.145825261
Dawn_EHere	2024	Apr	2.674063602
Dawn_EHere	2024	May	0
Dawn_EHere	2024	Jun	0
Dawn_EHere	2024	Jul	0
Dawn_EHere	2024	Aug	0
Dawn_EHere	2024	Sep	0
Dawn_EHere	2024	Oct	0

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Sales
Delivered Cost per Dth

Table VI-A-4

Supply	Years	Date	Delivered Cost per Dth
Dawn_Waddy	2019	Nov	0
Dawn_Waddy	2019	Dec	2.92156631
Dawn_Waddy	2020	Jan	0
Dawn_Waddy	2020	Feb	0
Dawn_Waddy	2020	Mar	0
Dawn_Waddy	2020	Apr	0
Dawn_Waddy	2020	May	0
Dawn_Waddy	2020	Jun	0
Dawn_Waddy	2020	Jul	0
Dawn_Waddy	2020	Aug	0
Dawn_Waddy	2020	Sep	0
Dawn_Waddy	2020	Oct	0
Dawn_Waddy	2020	Nov	0
Dawn_Waddy	2020	Dec	3.017227887
Dawn_Waddy	2021	Jan	3.159434999
Dawn_Waddy	2021	Feb	3.149130023
Dawn_Waddy	2021	Mar	3.056386083
Dawn_Waddy	2021	Apr	0
Dawn_Waddy	2021	May	0
Dawn_Waddy	2021	Jun	0
Dawn_Waddy	2021	Jul	0
Dawn_Waddy	2021	Aug	0
Dawn_Waddy	2021	Sep	0
Dawn_Waddy	2021	Oct	0
Dawn_Waddy	2021	Nov	0
Dawn_Waddy	2021	Dec	3.027532608
Dawn_Waddy	2022	Jan	3.19034964
Dawn_Waddy	2022	Feb	3.167678587
Dawn_Waddy	2022	Mar	3.060508053
Dawn_Waddy	2022	Apr	0
Dawn_Waddy	2022	May	0
Dawn_Waddy	2022	Jun	0
Dawn_Waddy	2022	Jul	0
Dawn_Waddy	2022	Aug	0
Dawn_Waddy	2022	Sep	0
Dawn_Waddy	2022	Oct	0
Dawn_Waddy	2022	Nov	0
Dawn_Waddy	2022	Dec	3.03062425
Dawn_Waddy	2023	Jan	3.200654195
Dawn_Waddy	2023	Feb	3.173861724
Dawn_Waddy	2023	Mar	3.087300848
Dawn_Waddy	2023	Apr	0
Dawn_Waddy	2023	May	0
Dawn_Waddy	2023	Jun	0
Dawn_Waddy	2023	Jul	0
Dawn_Waddy	2023	Aug	0
Dawn_Waddy	2023	Sep	0
Dawn_Waddy	2023	Oct	0

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Supply	Years	Date	Delivered Cost per Dth
Dawn_Waddy	2023	Nov	0
Dawn_Waddy	2023	Dec	3.145008312
Dawn_Waddy	2024	Jan	3.318129798
Dawn_Waddy	2024	Feb	3.295459216
Dawn_Waddy	2024	Mar	3.215081198
Dawn_Waddy	2024	Apr	0
Dawn_Waddy	2024	May	0
Dawn_Waddy	2024	Jun	0
Dawn_Waddy	2024	Jul	0
Dawn_Waddy	2024	Aug	0
Dawn_Waddy	2024	Sep	0
Dawn_Waddy	2024	Oct	0
Dom_SP	2019	Nov	2.213702846
Dom_SP	2019	Dec	2.484925407
Dom_SP	2020	Jan	2.600200442
Dom_SP	2020	Feb	2.595007853
Dom_SP	2020	Mar	2.530731048
Dom_SP	2020	Apr	2.299031752
Dom_SP	2020	May	2.188827766
Dom_SP	2020	Jun	0
Dom_SP	2020	Jul	0
Dom_SP	2020	Aug	0
Dom_SP	2020	Sep	2.057187951
Dom_SP	2020	Oct	2.102752903
Dom_SP	2020	Nov	2.337532554
Dom_SP	2020	Dec	2.573625979
Dom_SP	2021	Jan	2.669780782
Dom_SP	2021	Feb	2.658964253
Dom_SP	2021	Mar	2.544249347
Dom_SP	2021	Apr	2.285893311
Dom_SP	2021	May	3.300251233
Dom_SP	2021	Jun	2.149485934
Dom_SP	2021	Jul	3.564462918
Dom_SP	2021	Aug	2.179105436
Dom_SP	2021	Sep	0
Dom_SP	2021	Oct	3.576350416
Dom_SP	2021	Nov	2.324994402
Dom_SP	2021	Dec	2.558659884
Dom_SP	2022	Jan	2.697131625
Dom_SP	2022	Feb	2.646933456
Dom_SP	2022	Mar	2.465218935
Dom_SP	2022	Apr	0
Dom_SP	2022	May	0
Dom_SP	2022	Jun	0
Dom_SP	2022	Jul	2.793875261
Dom_SP	2022	Aug	0
Dom_SP	2022	Sep	0
Dom_SP	2022	Oct	0

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Supply	Years	Date	Delivered Cost per Dth
Dom_SP	2022	Nov	2.294877758
Dom_SP	2022	Dec	2.522311993
Dom_SP	2023	Jan	2.664675496
Dom_SP	2023	Feb	2.612662666
Dom_SP	2023	Mar	2.441301955
Dom_SP	2023	Apr	0
Dom_SP	2023	May	0
Dom_SP	2023	Jun	0
Dom_SP	2023	Jul	0
Dom_SP	2023	Aug	0
Dom_SP	2023	Sep	0
Dom_SP	2023	Oct	0
Dom_SP	2023	Nov	2.394574919
Dom_SP	2023	Dec	2.629278862
Dom_SP	2024	Jan	2.780901662
Dom_SP	2024	Feb	2.789209779
Dom_SP	2024	Mar	2.631598592
Dom_SP	2024	Apr	0
Dom_SP	2024	May	0
Dom_SP	2024	Jun	0
Dom_SP	2024	Jul	0
Dom_SP	2024	Aug	0
Dom_SP	2024	Sep	0
Dom_SP	2024	Oct	0
Dracut	2019	Nov	0
Dracut	2019	Dec	2.702000195
Dracut	2020	Jan	2.817999934
Dracut	2020	Feb	2.792999773
Dracut	2020	Mar	2.717999877
Dracut	2020	Apr	0
Dracut	2020	May	0
Dracut	2020	Jun	0
Dracut	2020	Jul	0
Dracut	2020	Aug	0
Dracut	2020	Sep	0
Dracut	2020	Oct	0
Dracut	2020	Nov	0
Dracut	2020	Dec	0
Dracut	2021	Jan	0
Dracut	2021	Feb	0
Dracut	2021	Mar	0
Dracut	2021	Apr	0
Dracut	2021	May	0
Dracut	2021	Jun	0
Dracut	2021	Jul	0
Dracut	2021	Aug	0
Dracut	2021	Sep	0
Dracut	2021	Oct	0

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Supply	Years	Date	Delivered Cost per Dth
Dracut	2021	Nov	0
Dracut	2021	Dec	0
Dracut	2022	Jan	0
Dracut	2022	Feb	0
Dracut	2022	Mar	0
Dracut	2022	Apr	0
Dracut	2022	May	0
Dracut	2022	Jun	0
Dracut	2022	Jul	0
Dracut	2022	Aug	0
Dracut	2022	Sep	0
Dracut	2022	Oct	0
Dracut	2022	Nov	0
Dracut	2022	Dec	0
Dracut	2023	Jan	0
Dracut	2023	Feb	0
Dracut	2023	Mar	0
Dracut	2023	Apr	0
Dracut	2023	May	0
Dracut	2023	Jun	0
Dracut	2023	Jul	0
Dracut	2023	Aug	0
Dracut	2023	Sep	0
Dracut	2023	Oct	0
Dracut	2023	Nov	0
Dracut	2023	Dec	0
Dracut	2024	Jan	0
Dracut	2024	Feb	0
Dracut	2024	Mar	0
Dracut	2024	Apr	0
Dracut	2024	May	0
Dracut	2024	Jun	0
Dracut	2024	Jul	0
Dracut	2024	Aug	0
Dracut	2024	Sep	0
Dracut	2024	Oct	0

[redacted]

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Sales
Delivered Cost per Dth

Supply	Years	Date	Delivered Cost per Dth
[redacted]			

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Supply	Years	Date	Delivered Cost per Dth
[redacted]			

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Normal Year
Sales
Delivered Cost per Dth

Supply	Years	Date	Delivered Cost per Dth
[redacted]			

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Supply	Years	Date	Delivered Cost per Dth
[redacted]			
MPL_East	2019	Nov	2.211871026
MPL_East	2019	Dec	2.479101605
MPL_East	2020	Jan	2.593975865
MPL_East	2020	Feb	2.588466205
MPL_East	2020	Mar	2.579050155
MPL_East	2020	Apr	2.295057058
MPL_East	2020	May	2.186196559
MPL_East	2020	Jun	2.184142458
MPL_East	2020	Jul	0
MPL_East	2020	Aug	2.202628193
MPL_East	2020	Sep	2.057823331
MPL_East	2020	Oct	2.100956739
MPL_East	2020	Nov	2.335109417
MPL_East	2020	Dec	2.568474314
MPL_East	2021	Jan	2.66287075
MPL_East	2021	Feb	2.648105234
MPL_East	2021	Mar	2.592729884
MPL_East	2021	Apr	2.28273337
MPL_East	2021	May	2.243614541
MPL_East	2021	Jun	2.147776995
MPL_East	2021	Jul	2.256568082
MPL_East	2021	Aug	2.180034739
MPL_East	2021	Sep	0
MPL_East	2021	Oct	2.179586528

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Supply	Years	Date	Delivered Cost per Dth
MPL_East	2021	Nov	2.320731733
MPL_East	2021	Dec	2.552025891
MPL_East	2022	Jan	2.688637122
MPL_East	2022	Feb	2.639956752
MPL_East	2022	Mar	2.5127833
MPL_East	2022	Apr	2.209817251
MPL_East	2022	May	2.067066083
MPL_East	2022	Jun	0
MPL_East	2022	Jul	2.054742282
MPL_East	2022	Aug	0
MPL_East	2022	Sep	0
MPL_East	2022	Oct	2.023932844
MPL_East	2022	Nov	2.290949008
MPL_East	2022	Dec	2.515894267
MPL_East	2023	Jan	2.651726267
MPL_East	2023	Feb	2.605378345
MPL_East	2023	Mar	2.488509089
MPL_East	2023	Apr	2.230356886
MPL_East	2023	May	2.145117151
MPL_East	2023	Jun	0
MPL_East	2023	Jul	0
MPL_East	2023	Aug	0
MPL_East	2023	Sep	0
MPL_East	2023	Oct	2.13792816
MPL_East	2023	Nov	2.389539816
MPL_East	2023	Dec	2.621695516
MPL_East	2024	Jan	2.771942015
MPL_East	2024	Feb	2.780011602
MPL_East	2024	Mar	2.680938514
MPL_East	2024	Apr	0
MPL_East	2024	May	2.243707862
MPL_East	2024	Jun	0
MPL_East	2024	Jul	0
MPL_East	2024	Aug	0
MPL_East	2024	Sep	0
MPL_East	2024	Oct	2.224194952
Niagara	2019	Nov	2.183830521
Niagara	2019	Dec	2.562427106
Niagara	2020	Jan	2.688625924
Niagara	2020	Feb	2.678529874
Niagara	2020	Mar	2.639156068
Niagara	2020	Apr	2.414017303
Niagara	2020	May	0
Niagara	2020	Jun	0
Niagara	2020	Jul	0
Niagara	2020	Aug	0
Niagara	2020	Sep	0
Niagara	2020	Oct	0

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Supply	Years	Date	Delivered Cost per Dth
Niagara	2020	Nov	2.357480174
Niagara	2020	Dec	2.650261442
Niagara	2021	Jan	2.786556286
Niagara	2021	Feb	2.777469945
Niagara	2021	Mar	2.685597185
Niagara	2021	Apr	0
Niagara	2021	May	0
Niagara	2021	Jun	0
Niagara	2021	Jul	0
Niagara	2021	Aug	0
Niagara	2021	Sep	0
Niagara	2021	Oct	0
Niagara	2021	Nov	2.357480174
Niagara	2021	Dec	2.660357468
Niagara	2022	Jan	2.81785348
Niagara	2022	Feb	2.795642491
Niagara	2022	Mar	2.689635603
Niagara	2022	Apr	0
Niagara	2022	May	0
Niagara	2022	Jun	0
Niagara	2022	Jul	0
Niagara	2022	Aug	0
Niagara	2022	Sep	0
Niagara	2022	Oct	0
Niagara	2022	Nov	2.358489799
Niagara	2022	Dec	2.668434103
Niagara	2023	Jan	2.825930346
Niagara	2023	Feb	2.799681042
Niagara	2023	Mar	2.711846621
Niagara	2023	Apr	0
Niagara	2023	May	0
Niagara	2023	Jun	0
Niagara	2023	Jul	0
Niagara	2023	Aug	0
Niagara	2023	Sep	0
Niagara	2023	Oct	0
Niagara	2023	Nov	2.468535181
Niagara	2023	Dec	2.77646026
Niagara	2024	Jan	2.936985242
Niagara	2024	Feb	2.913764642
Niagara	2024	Mar	2.834007034
Niagara	2024	Apr	0
Niagara	2024	May	0
Niagara	2024	Jun	0
Niagara	2024	Jul	0
Niagara	2024	Aug	0
Niagara	2024	Sep	0
Niagara	2024	Oct	0

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Supply	Years	Date	Delivered Cost per Dth
TCO Appalach	2019	Nov	2.321141958
TCO Appalach	2019	Dec	2.537232227
TCO Appalach	2020	Jan	2.650692131
TCO Appalach	2020	Feb	2.645581898
TCO Appalach	2020	Mar	2.561881463
TCO Appalach	2020	Apr	2.360132756
TCO Appalach	2020	May	0
TCO Appalach	2020	Jun	2.247593972
TCO Appalach	2020	Jul	2.251668794
TCO Appalach	2020	Aug	2.224163476
TCO Appalach	2020	Sep	2.186471192
TCO Appalach	2020	Oct	2.217558405
TCO Appalach	2020	Nov	2.3905383
TCO Appalach	2020	Dec	2.555653243
TCO Appalach	2021	Jan	2.700704154
TCO Appalach	2021	Feb	2.692511205
TCO Appalach	2021	Mar	2.515905727
TCO Appalach	2021	Apr	2.274599049
TCO Appalach	2021	May	2.180653105
TCO Appalach	2021	Jun	2.17424669
TCO Appalach	2021	Jul	2.203789285
TCO Appalach	2021	Aug	2.173227983
TCO Appalach	2021	Sep	2.153872464
TCO Appalach	2021	Oct	2.254499219
TCO Appalach	2021	Nov	2.349744152
TCO Appalach	2021	Dec	2.541381871
TCO Appalach	2022	Jan	2.67622637
TCO Appalach	2022	Feb	2.645572916
TCO Appalach	2022	Mar	2.475016307
TCO Appalach	2022	Apr	2.154202442
TCO Appalach	2022	May	2.053020092
TCO Appalach	2022	Jun	2.045889141
TCO Appalach	2022	Jul	2.074413086
TCO Appalach	2022	Aug	2.04385164
TCO Appalach	2022	Sep	2.016346363
TCO Appalach	2022	Oct	2.125698967
TCO Appalach	2022	Nov	2.320177384
TCO Appalach	2022	Dec	2.514637613
TCO Appalach	2023	Jan	2.658902425
TCO Appalach	2023	Feb	2.625222197
TCO Appalach	2023	Mar	2.517925044
TCO Appalach	2023	Apr	2.206536175
TCO Appalach	2023	May	2.127386024
TCO Appalach	2023	Jun	2.130442204
TCO Appalach	2023	Jul	0
TCO Appalach	2023	Aug	2.14470401
TCO Appalach	2023	Sep	2.117198805
TCO Appalach	2023	Oct	2.234886291

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Supply	Years	Date	Delivered Cost per Dth
TCO Appalach	2023	Nov	2.414976272
TCO Appalach	2023	Dec	2.600319464
TCO Appalach	2024	Jan	2.753776189
TCO Appalach	2024	Feb	2.731328564
TCO Appalach	2024	Mar	2.622272372
TCO Appalach	2024	Apr	2.316818939
TCO Appalach	2024	May	2.241481613
TCO Appalach	2024	Jun	2.234350763
TCO Appalach	2024	Jul	2.261855896
TCO Appalach	2024	Aug	2.233331928
TCO Appalach	2024	Sep	2.205826694
TCO Appalach	2024	Oct	2.320597203
TCO M3	2019	Nov	2.438138265
TCO M3	2019	Dec	3.264621493
TCO M3	2020	Jan	0
TCO M3	2020	Feb	0
TCO M3	2020	Mar	2.942894975
TCO M3	2020	Apr	2.415690748
TCO M3	2020	May	2.255519469
TCO M3	2020	Jun	0
TCO M3	2020	Jul	0
TCO M3	2020	Aug	0
TCO M3	2020	Sep	0
TCO M3	2020	Oct	2.153484766
TCO M3	2020	Nov	2.504461018
TCO M3	2020	Dec	3.344208816
TCO M3	2021	Jan	0
TCO M3	2021	Feb	0
TCO M3	2021	Mar	2.971502252
TCO M3	2021	Apr	2.38303943
TCO M3	2021	May	0
TCO M3	2021	Jun	0
TCO M3	2021	Jul	0
TCO M3	2021	Aug	0
TCO M3	2021	Sep	2.063693809
TCO M3	2021	Oct	2.172871345
TCO M3	2021	Nov	2.517725594
TCO M3	2021	Dec	3.362575265
TCO M3	2022	Jan	0
TCO M3	2022	Feb	0
TCO M3	2022	Mar	2.985805785
TCO M3	2022	Apr	2.226925973
TCO M3	2022	May	2.081039783
TCO M3	2022	Jun	0
TCO M3	2022	Jul	0
TCO M3	2022	Aug	0
TCO M3	2022	Sep	1.911661736
TCO M3	2022	Oct	2.027981589

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Supply	Years	Date	Delivered Cost per Dth
TCO M3	2022	Nov	2.495277992
TCO M3	2022	Dec	3.289109975
TCO M3	2023	Jan	5.794068422
TCO M3	2023	Feb	5.688972758
TCO M3	2023	Mar	2.860138536
TCO M3	2023	Apr	2.27284176
TCO M3	2023	May	2.141240433
TCO M3	2023	Jun	0
TCO M3	2023	Jul	0
TCO M3	2023	Aug	0
TCO M3	2023	Sep	2.002472752
TCO M3	2023	Oct	2.120833584
TCO M3	2023	Nov	2.507522194
TCO M3	2023	Dec	3.297272659
TCO M3	2024	Jan	5.873655712
TCO M3	2024	Feb	5.779783884
TCO M3	2024	Mar	2.952090196
TCO M3	2024	Apr	2.369774894
TCO M3	2024	May	2.235112485
TCO M3	2024	Jun	0
TCO M3	2024	Jul	0
TCO M3	2024	Aug	0
TCO M3	2024	Sep	2.091243303
TCO M3	2024	Oct	2.206542809
Tetco M2	2019	Nov	2.21269235
Tetco M2	2019	Dec	2.504822988
Tetco M2	2020	Jan	2.640510377
Tetco M2	2020	Feb	2.624936602
Tetco M2	2020	Mar	2.58319966
Tetco M2	2020	Apr	2.294073419
Tetco M2	2020	May	2.14472099
Tetco M2	2020	Jun	2.136113747
Tetco M2	2020	Jul	2.187000934
Tetco M2	2020	Aug	2.15605414
Tetco M2	2020	Sep	1.986302049
Tetco M2	2020	Oct	2.056723002
Tetco M2	2020	Nov	2.320130087
Tetco M2	2020	Dec	2.582037638
Tetco M2	2021	Jan	2.70981515
Tetco M2	2021	Feb	2.704695274
Tetco M2	2021	Mar	2.591310617
Tetco M2	2021	Apr	2.290702999
Tetco M2	2021	May	2.188277946
Tetco M2	2021	Jun	2.203538414
Tetco M2	2021	Jul	2.185491726
Tetco M2	2021	Aug	2.154523483
Tetco M2	2021	Sep	1.984417193
Tetco M2	2021	Oct	2.096391077

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Supply	Years	Date	Delivered Cost per Dth
Tetco M2	2021	Nov	2.340512487
Tetco M2	2021	Dec	2.578584512
Tetco M2	2022	Jan	2.721743068
Tetco M2	2022	Feb	2.672883058
Tetco M2	2022	Mar	2.49641556
Tetco M2	2022	Apr	2.150211777
Tetco M2	2022	May	1.990670077
Tetco M2	2022	Jun	1.997842447
Tetco M2	2022	Jul	2.002763157
Tetco M2	2022	Aug	2.026117597
Tetco M2	2022	Sep	1.918592743
Tetco M2	2022	Oct	1.963529015
Tetco M2	2022	Nov	2.310950131
Tetco M2	2022	Dec	2.543000014
Tetco M2	2023	Jan	2.684760032
Tetco M2	2023	Feb	2.640920689
Tetco M2	2023	Mar	2.472894797
Tetco M2	2023	Apr	2.170745975
Tetco M2	2023	May	2.073135029
Tetco M2	2023	Jun	2.083885561
Tetco M2	2023	Jul	2.108254379
Tetco M2	2023	Aug	2.137739074
Tetco M2	2023	Sep	2.030461187
Tetco M2	2023	Oct	2.072061421
Tetco M2	2023	Nov	2.409000102
Tetco M2	2023	Dec	2.648293652
Tetco M2	2024	Jan	2.806855697
Tetco M2	2024	Feb	2.813929789
Tetco M2	2024	Mar	2.650931915
Tetco M2	2024	Apr	2.329886701
Tetco M2	2024	May	2.167421536
Tetco M2	2024	Jun	2.173001642
Tetco M2	2024	Jul	2.202479538
Tetco M2	2024	Aug	2.226831503
Tetco M2	2024	Sep	2.120179995
Tetco M2	2024	Oct	2.164044145
Tetco M3	2019	Nov	2.384730087
Tetco M3	2019	Dec	3.198849062
Tetco M3	2020	Jan	0
Tetco M3	2020	Feb	0
Tetco M3	2020	Mar	2.881478971
Tetco M3	2020	Apr	2.362370825
Tetco M3	2020	May	2.21535921
Tetco M3	2020	Jun	0
Tetco M3	2020	Jul	0
Tetco M3	2020	Aug	0
Tetco M3	2020	Sep	2.075028935
Tetco M3	2020	Oct	2.11508396

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Supply	Years	Date	Delivered Cost per Dth
Tetco M3	2020	Nov	2.449812192
Tetco M3	2020	Dec	3.277661182
Tetco M3	2021	Jan	0
Tetco M3	2021	Feb	0
Tetco M3	2021	Mar	2.910807935
Tetco M3	2021	Apr	2.330070376
Tetco M3	2021	May	2.212533934
Tetco M3	2021	Jun	0
Tetco M3	2021	Jul	0
Tetco M3	2021	Aug	0
Tetco M3	2021	Sep	2.134675881
Tetco M3	2021	Oct	2.153849679
Tetco M3	2021	Nov	2.462970519
Tetco M3	2021	Dec	3.295995776
Tetco M3	2022	Jan	0
Tetco M3	2022	Feb	0
Tetco M3	2022	Mar	2.924246506
Tetco M3	2022	Apr	2.176526714
Tetco M3	2022	May	2.121850871
Tetco M3	2022	Jun	2.161432759
Tetco M3	2022	Jul	2.085565108
Tetco M3	2022	Aug	2.197568654
Tetco M3	2022	Sep	2.010688176
Tetco M3	2022	Oct	2.057628506
Tetco M3	2022	Nov	2.440615338
Tetco M3	2022	Dec	3.223651111
Tetco M3	2023	Jan	5.701176132
Tetco M3	2023	Feb	5.592049237
Tetco M3	2023	Mar	2.800784922
Tetco M3	2023	Apr	2.221753998
Tetco M3	2023	May	2.180892098
Tetco M3	2023	Jun	2.231130383
Tetco M3	2023	Jul	2.288536125
Tetco M3	2023	Aug	2.279612012
Tetco M3	2023	Sep	2.156143258
Tetco M3	2023	Oct	2.148300505
Tetco M3	2023	Nov	2.452935568
Tetco M3	2023	Dec	3.249262575
Tetco M3	2024	Jan	5.779066584
Tetco M3	2024	Feb	5.687695039
Tetco M3	2024	Mar	2.891159756
Tetco M3	2024	Apr	2.317928461
Tetco M3	2024	May	2.273158694
Tetco M3	2024	Jun	2.313520599
Tetco M3	2024	Jul	2.380244925
Tetco M3	2024	Aug	2.366929366
Tetco M3	2024	Sep	2.243213291
Tetco M3	2024	Oct	2.232882197

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National Grid Rhode Island
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Supply	Years	Date	Delivered Cost per Dth
TGP Z4	2019	Nov	2.408882179
TGP Z4	2019	Dec	2.675481345
TGP Z4	2020	Jan	2.789014014
TGP Z4	2020	Feb	2.781918336
TGP Z4	2020	Mar	2.716028644
TGP Z4	2020	Apr	2.43523819
TGP Z4	2020	May	2.28078575
TGP Z4	2020	Jun	2.267342533
TGP Z4	2020	Jul	2.349881755
TGP Z4	2020	Aug	2.296069861
TGP Z4	2020	Sep	2.33284384
TGP Z4	2020	Oct	2.267091099
TGP Z4	2020	Nov	2.529510716
TGP Z4	2020	Dec	2.756576144
TGP Z4	2021	Jan	2.84882138
TGP Z4	2021	Feb	2.832602439
TGP Z4	2021	Mar	2.723124546
TGP Z4	2021	Apr	2.417146329
TGP Z4	2021	May	2.268634124
TGP Z4	2021	Jun	2.225678105
TGP Z4	2021	Jul	2.228210089
TGP Z4	2021	Aug	2.287555248
TGP Z4	2021	Sep	2.340087112
TGP Z4	2021	Oct	2.262567563
TGP Z4	2021	Nov	2.514305454
TGP Z4	2021	Dec	2.738329663
TGP Z4	2022	Jan	2.870108946
TGP Z4	2022	Feb	2.82347925
TGP Z4	2022	Mar	2.648111919
TGP Z4	2022	Apr	2.323876584
TGP Z4	2022	May	2.185326278
TGP Z4	2022	Jun	2.147058539
TGP Z4	2022	Jul	2.144627105
TGP Z4	2022	Aug	2.209297706
TGP Z4	2022	Sep	2.315052132
TGP Z4	2022	Oct	2.182737986
TGP Z4	2022	Nov	2.476799039
TGP Z4	2022	Dec	2.704878128
TGP Z4	2023	Jan	2.835643428
TGP Z4	2023	Feb	2.785973021
TGP Z4	2023	Mar	2.631892942
TGP Z4	2023	Apr	2.391531502
TGP Z4	2023	May	2.291214178
TGP Z4	2023	Jun	2.471739738
TGP Z4	2023	Jul	2.438729952
TGP Z4	2023	Aug	2.319337277
TGP Z4	2023	Sep	2.418142862
TGP Z4	2023	Oct	2.407430173

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Supply	Years	Date	Delivered Cost per Dth
TGP Z4	2023	Nov	2.608578041
TGP Z4	2023	Dec	2.83564358
TGP Z4	2024	Jan	2.970463619
TGP Z4	2024	Feb	2.924847788
TGP Z4	2024	Mar	2.775836106
TGP Z4	2024	Apr	2.492781941
TGP Z4	2024	May	2.384738231
TGP Z4	2024	Jun	2.566042211
TGP Z4	2024	Jul	2.532904946
TGP Z4	2024	Aug	2.397900571
TGP Z4	2024	Sep	2.508414458
TGP Z4	2024	Oct	2.494028651
Transco_Leid	2019	Nov	2.1150986
Transco_Leid	2019	Dec	2.413371402
Transco_Leid	2020	Jan	2.575915973
Transco_Leid	2020	Feb	2.562244612
Transco_Leid	2020	Mar	2.4399927
Transco_Leid	2020	Apr	2.145455909
Transco_Leid	2020	May	2.02605095
Transco_Leid	2020	Jun	2.044265244
Transco_Leid	2020	Jul	2.066527168
Transco_Leid	2020	Aug	2.042241439
Transco_Leid	2020	Sep	1.922836531
Transco_Leid	2020	Oct	1.959265126
Transco_Leid	2020	Nov	2.182896472
Transco_Leid	2020	Dec	2.464623884
Transco_Leid	2021	Jan	2.515302065
Transco_Leid	2021	Feb	2.505694172
Transco_Leid	2021	Mar	2.399463424
Transco_Leid	2021	Apr	2.141625251
Transco_Leid	2021	May	3.692971236
Transco_Leid	2021	Jun	3.762080889
Transco_Leid	2021	Jul	3.780938226
Transco_Leid	2021	Aug	2.877618715
Transco_Leid	2021	Sep	3.711611075
Transco_Leid	2021	Oct	3.678409151
Transco_Leid	2021	Nov	2.155574692
Transco_Leid	2021	Dec	2.426765624
Transco_Leid	2022	Jan	2.557224907
Transco_Leid	2022	Feb	2.497126691
Transco_Leid	2022	Mar	2.315365265
Transco_Leid	2022	Apr	2.028895867
Transco_Leid	2022	May	3.675064819
Transco_Leid	2022	Jun	3.695128999
Transco_Leid	2022	Jul	3.639763961
Transco_Leid	2022	Aug	3.713940776
Transco_Leid	2022	Sep	3.158292068
Transco_Leid	2022	Oct	3.675299404

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Supply	Years	Date	Delivered Cost per Dth
Transco_Leid	2022	Nov	2.126229498
Transco_Leid	2022	Dec	2.360429988
Transco_Leid	2023	Jan	2.490621738
Transco_Leid	2023	Feb	2.449027561
Transco_Leid	2023	Mar	2.298140417
Transco_Leid	2023	Apr	2.426565431
Transco_Leid	2023	May	3.725283155
Transco_Leid	2023	Jun	3.774396496
Transco_Leid	2023	Jul	3.817379764
Transco_Leid	2023	Aug	3.818849714
Transco_Leid	2023	Sep	0
Transco_Leid	2023	Oct	3.801638829
Transco_Leid	2023	Nov	2.179860674
Transco_Leid	2023	Dec	2.417658581
Transco_Leid	2024	Jan	2.54920611
Transco_Leid	2024	Feb	2.513789747
Transco_Leid	2024	Mar	2.375215506
Transco_Leid	2024	Apr	2.609786022
Transco_Leid	2024	May	3.739403179
Transco_Leid	2024	Jun	3.780381911
Transco_Leid	2024	Jul	3.918392707
Transco_Leid	2024	Aug	3.905049513
Transco_Leid	2024	Sep	0
Transco_Leid	2024	Oct	3.879155172
Waddy	2019	Nov	0
Waddy	2019	Dec	0
Waddy	2020	Jan	0
Waddy	2020	Feb	0
Waddy	2020	Mar	2.803719105
Waddy	2020	Apr	2.174743907
Waddy	2020	May	2.102053488
Waddy	2020	Jun	2.238348134
Waddy	2020	Jul	2.276712725
Waddy	2020	Aug	2.263587952
Waddy	2020	Sep	3.13406957
Waddy	2020	Oct	0
Waddy	2020	Nov	2.419065094
Waddy	2020	Dec	0
Waddy	2021	Jan	0
Waddy	2021	Feb	0
Waddy	2021	Mar	0
Waddy	2021	Apr	2.233300273
Waddy	2021	May	2.143446645
Waddy	2021	Jun	2.283779907
Waddy	2021	Jul	0
Waddy	2021	Aug	2.294885451
Waddy	2021	Sep	3.11927827
Waddy	2021	Oct	0

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Supply	Years	Date	Delivered Cost per Dth
Waddy	2021	Nov	2.446323903
Waddy	2021	Dec	0
Waddy	2022	Jan	0
Waddy	2022	Feb	0
Waddy	2022	Mar	0
Waddy	2022	Apr	2.231281026
Waddy	2022	May	2.145465974
Waddy	2022	Jun	0
Waddy	2022	Jul	0
Waddy	2022	Aug	0
Waddy	2022	Sep	0
Waddy	2022	Oct	0
Waddy	2022	Nov	2.405940501
Waddy	2022	Dec	3.407454664
Waddy	2023	Jan	5.350917669
Waddy	2023	Feb	5.188373424
Waddy	2023	Mar	3.456924594
Waddy	2023	Apr	2.591447709
Waddy	2023	May	2.286097171
Waddy	2023	Jun	0
Waddy	2023	Jul	0
Waddy	2023	Aug	0
Waddy	2023	Sep	0
Waddy	2023	Oct	0
Waddy	2023	Nov	2.476611837
Waddy	2023	Dec	3.462982153
Waddy	2024	Jan	5.375147904
Waddy	2024	Feb	5.218661136
Waddy	2024	Mar	3.524567335
Waddy	2024	Apr	2.730333935
Waddy	2024	May	2.502961364
Waddy	2024	Jun	0
Waddy	2024	Jul	0
Waddy	2024	Aug	0
Waddy	2024	Sep	0
Waddy	2024	Oct	0