EVERYTHING MATTERS

Commercial Demand Response (Rider T) Program Guidelines

2021 Capability Period
Last updated: 3/26/2021

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Disclaimer: This document contains only guidelines for the Con Edison Demand Response (DR) programs. The Con Edison Electric Tariff prevails in any conflict. Con Edison reserves the right to change any of the guidelines without notice if necessary for operational purposes.

Purpose: This document is intended to provide additional clarification to the Con Edison Rider T Tariff programs. It is not meant to give an overview of DR and Con Edison's programs to new participants.

To learn more about Con Edison's programs in general, please visit our DR website.

For more definitions, please see Rider T section of the electric tariff.

1. Acronyms and Definitions

- **AMI** – Advanced Meter Infrastructure. Also known as smart meters.
- **Aggregator** – A third-party that aggregates and represents load and is responsible for the actions of its customers with respect to the Con Edison's DR programs. Assists customers and property owners/managers with DR program participation.
- **Aggregation** – Either a sub-aggregation of customers within a network or all customers represented by an Aggregator within a Network if there are no Sub-aggregations for that aggregator within that Network.
- **Capability Period** – May 1 through September 30.
- **CBL** – Customer Baseline Load. Average hourly energy consumption used to determine the level of Load Relief that is provided. The CBL specification is located here.
- **Contracted Hours** – Also known as call windows. Assigned energy use reduction time period in Eastern Daylight Time (EDT) for CSRP customers. Aligns with network-level peak energy demand. The CSRP call windows are:
    - 11 AM – 3 PM (1100 – 1500)
    - 2 PM – 6 PM (1400 – 1800)
    - 4 PM – 8 PM (1600 – 2000)
    - 7 PM – 11 PM (1900 – 2300)

  The list of networks assigned to each call window is located here. Call windows are reviewed and updated on an annual basis.
- **CSRP** – Commercial System Relief Program (21-hour Notification Program)
- **DLRP** – Distribution Load Relief Program (2-hour Notification Program)
- **DR** – Demand Response – Load Relief upon request. Also known as Smart Usage Rewards.
- **DRMS** – Demand Response Management System. System used to administer the DR programs.
- **DR (Smart Usage Rewards) Portal** – Con Edison's customer user interface used to manage DR customer enrollment, event calling, account lookups, performance calculations, and settlement/incentive payment details.
- **Interval Meter** – An electric meter capable of measuring electric usage in intervals of 60 minutes or less. Required for Con Edison Rider T DR participation.
- **kW** – Kilowatt
- **kWh** – Kilowatt-hour
- **Load Relief** – Refers to power (kW) and energy (kWh): (a) ordinarily supplied by the Company that is displaced by use of Electric Generating Equipment and/or reduced by the Direct Participant or Aggregator at the Customer's premises; or (b) produced by use

of Electric Generating Equipment by an SC 11 Customer or a Rider R Customer taking service under the Value Stack Tariff at the time of enrollment in Rider T, and delivered by that Customer to the Company's distribution system during a Load Relief Period.

- **MHP** – Mandatory Hourly Pricing. A rate structure for large customers (typically >500 kW demand), where interval metering and communications are Con Edison's responsibility.
- **NYS DEC** – New York State Department of Environmental Conservation
- **Network** – A distribution network or load area designated by Con Edison.
- **PSC** – Public Service Commission
- **SC 11 Accounts** – Service Class 11 accounts export electricity onto the Con Edison system.
- **Sub-aggregation** – A declared subset of customers represented by an aggregator within a network. An aggregator may have up to three sub-aggregations per network as long as each sub-aggregation contains Customers who collectively have a load relief potential of 50 kW or greater in the network.
- **Temperature Variable** – A calculation based on a weighted average of three days of wet and dry bulb temperature readings.[1]

1.1 Program Summaries

The Commercial System Relief Program (CSRP) aims to reduce peak demand at the network level by calling on customers to reduce energy use during their respective assigned call window.

Load relief for a CSRP Planned Event can be requested during the capability period, Monday-Friday during designated call windows, excluding federal holidays. For a CSRP Planned Event, a day-ahead advisory notice (21 hours or more prior to call window) is triggered when the day-ahead system peak demand forecast reaches 92% of the overall summer peak demand forecast. A CSRP Planned event may also be called for particular boroughs within NYC and/or Westchester if the day-ahead forecasted Temperature Variable exceeds 84 degrees. The forecast must remain at 92% or higher on the day of the event or the Temperature Variable is forecasted to be 84 degrees or greater, otherwise the event can be cancelled. A day-of notification either confirming or cancelling the event is sent at least two hours ahead of each respective customer's call window. Less than 21 hours of notice may be provided for an CSRP Unplanned Event, and participation is voluntary. CSRP Planned events based on system load forecasts are typically called system-wide (i.e., all enrolled customers are called for an event).

The Distribution Load Relief Program (DLRP) provides network-level support through load relief if the next contingency on the Con Edison system would result in a Condition Yellow or a voltage reduction of five percent or greater has been ordered. A Condition Yellow is declared when the next contingency (excluding substation breaker failure) either will result in an outage to more than 15,000 customers or will result in electric distribution equipment being loaded above emergency ratings. Load Relief for DLRP can be requested any time during the

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[1] **Temperature Variable (TV)** represents the temperature-based value associated with a load shape. The temperature for the period May 1st through October 31st is based on a three-day weighted average of daily 24-hour dry/wet bulb temperatures as measured in Central Park and La Guardia. Between May and October the TV is calculated using the following procedure:
TV: 70% TV component Current Day + 20% TV component Prior Day + 10% TV component Second Prior Day
Where TV component = maximum of the rolling three hour average of the Wet/Dry hourly temperatures occurring between 9AM to 9PM
And Wet/Dry hourly temperature = average of wet hourly temperature and dry hourly temperature

capability period, except between the hours of 12 AM and 6 AM. DLRP can be called on weekends and holidays throughout the capability period. An event notice is sent at least two hours ahead of a DLRP Contingency Event, and less than two hours prior to a DLRP Immediate Event. This program is typically called at the network level (i.e., only customers enrolled in a specific network are called for an event).

Aggregators are responsible for communicating event notices to their respective customers; direct participants receive event notices directly from Con Edison.

2. Summary of Changes Since 2020 Season

Below is a list of substantial changes to this guide since the 2020 season. Each item is elaborated on throughout this document.

- Proposed changes to the Rider T tariff for the 2021 season are incorporated into this version of the DR guidelines following the PSC's ruling on case 20-E-0547.
    - Advisories for CSRP Planned Events can be issued when the day-ahead Temperature Variable is forecasted to exceed 84 degrees. Such Advisories can be confined to particular boroughs within NYC and/or to Westchester. All Advisories can be confirmed based on the day-of Temperature Variable exceeding 84 degrees or the day-of load forecast exceeding 92 percent of system peak.
    - Separate Load Relief pledges can now be made applying to weekday and weekend[2] DLRP Events.
        - The Load Relief pledge that will be used for calculating Reservation Payments will be the sum of 5/7ths of the weekday pledge and 2/7ths of the weekend pledge.
        - Section 6.9 has been added covering this change and its effects on settlements.
        - The weekend pledge per customer must be at least 25% of the weekday pledge.
    - DLRP Immediate Events can be called after 6PM.
    - Sections changed as a result of the order
        - Section 1.1 was updated with additional program information
        - Section 3.2 includes additional details on pledge modifications after enrollment has been completed.
        - Section 3.7 has been revised to reflect that NYS DEC permits/registrations are now required for all CSRP and DLRP enrollments.
        - Section 5.3 has been added covering how CSRP dispatches by Temperature Variable affects networks that cover multiple counties.
- Section 3.10 was added with additional detail on how to declare sub-aggregations
- Section 3.11 was added covering the enrollment of legacy interval meters without communication capabilities.

[2] The weekend pledge values will also apply to events called on the federal holidays of Memorial Day, Independence Day, and Labor Day.

- Section 3.12 was added covering how to receive demand response program communications.
- Split section 6.1 and 6.2 to add more clarity regarding settlement payment timelines and payment options.
- Rewrote section 6.7 for additional clarity on the treatment of customers under Rider R
- Section 6.10 was added covering settlements for customers explicitly enrolling accounts with non-communicating legacy interval meters.

3. Enrollment

There are many factors to consider prior to enrolling in Con Edison's Demand Response programs. End-use customers or facility owner/managers should consider enrolling through a Con Edison-approved aggregator for assistance.

Customers can concurrently participate in CSRP and DLRP. Each customer can only participate in the Reservation or Voluntary Option for each program, but not both (i.e., a customer can only participate in the CSRP Reservation Option and not the Voluntary Option or vice versa). Customers that enroll in both the CSRP and DLRP programs must use the same aggregator. The sections below describe important enrollment requirements, deadlines, and processes.

3.1 Eligibility Requirements

A communicating interval meter is required for all Rider T participants. Aggregators must enroll a minimum of 50 total kW of load reduction to participate in any single Con Edison Commercial DR program. The 50 kW minimum applies for all networks in aggregate and is not for a single network. A direct participant enrolling a single account must provide a minimum of 50 kW of load reduction. A direct participant may self-aggregate multiple individual accounts as long as the organization is not acting as a third-party aggregator. If a direct participant self-aggregates, then the performance factors and payments will be handled as they are for third-party aggregators. All customers enrolled in the Reservation programs must provide Load Relief during program events except in the case of a CSRP Unplanned event.

Aggregators must provide customer contact information to Con Edison, if requested. Con Edison may request contact information for various reasons, including: an account being enrolled by multiple aggregators, or for an administrative review.[3]

3.2 Deadlines

The 2021 enrollment deadlines for CSRP and DLRP Reservation Option participants are as follows:

[3] Rider T, Leaf 277, Section G.

Enrollment Period Opens*	Enrollment Period Closes	Capability Period Start
Early March**	Thursday, April 1, 2021	May 2021
Friday, April 2, 2021	Monday, May 3, 2021	June 2021

* Dates tentative. An email communication will be sent out notifying participants of the official opening date of enrollments for each period.
** Tentative opening date is Monday, March 1, 2021 for CSRP and Thursday, March 25, 2021 for DLRP enrollments.

Enrollments are accepted up until 11:59:59 PM EDT on the date the enrollment periods listed above close.

Customer pledge values for CSRP or DLRP this season can be revised through Tuesday, June 1, 2021. Reservation payments applicable to modified kilowatt (kW) load relief amounts will be reconciled in a downward-only fashion in the event that a participant enrolls a higher kW load relief pledge for participation beginning in May or June then subsequently reduces such kW load relief pledge.

The revised values, in the event they are lower than what was initially submitted, will be applied to all months in the Capability Period for calculation of both Performance Factors and Reservation Payments. Higher revised pledged values will be applied to subsequent months only after the revision is submitted. If a pledge change is requested for an enrolled resource, please email demandresponse@coned.com with a list of accounts, the old pledge amount, and the new pledge value, by the deadline date of Tuesday, June 1, 2021

Interval meters must be installed 30 days prior to any account's respective program start date, and communications must be established a day before respective program start. The final meter installation date for Reservation Option customers is June 1, and the final meter communications date for Reservation Option customers is June 30. In this scenario, the account will commence participation on July 1 (assuming all other enrollment requirements are met by the May 3 deadline). If these metering requirements are not met for non-MHP customers, the associated account's application will be rejected.

Voluntary Option participants may enroll at any time after enrollments open through the end of the capability period. Voluntary customer interval meter(s) must be installed 30 days prior to the requested start date, with communications established by the date of enrollment.

3.3 Con Edison-Approved Aggregator List

Con Edison publishes a list of approved DR aggregators on our DR website. If you are a new aggregator that wishes to be added to the list or an existing aggregator that wishes to update your information, please email demandresponse@coned.com for a questionnaire form to fill out.

Aggregators that are in good standing may be on the aggregator list.

New aggregators that have submitted the required documents and information will be listed on the website for two seasons, even if they do not enroll customers and establish a record. After two seasons without enrollments, the aggregator listing may be removed.

3.4 Public Service Commission DER Oversight

On October 19, 2017, the PSC published Uniform Business Practices for Distributed Energy Resource Suppliers (UBP-DERS). Aggregators are considered DER suppliers and these rules

apply to those aggregating in Con Edison's DR programs. Further, DR payments are considered ongoing transactions. The following categories are addressed and elaborated on in the UBP-DERS.

- Sales agreements
- General marketing standards
- Customer data authorization
- Responsibility for contractors and other third party agents
- Customer inquiries and complaints
- Consequences for violations
- Oversight requirements

It is the responsibility of aggregators to be familiar with DER Oversight and ongoing changes.

3.5 DR (Smart Usage Rewards) Portal

The Con Edison DR (Smart Usage Rewards) Portal is an online interface that is used for account lookup, enrollment processing, event notification, aggregator and customer contact management, creation of sub-aggregations, near real-time and after the fact event performance, and viewing of settlement calculations.

Con Edison DR aggregators and direct participants must enroll accounts via Con Edison's DR (Smart Usage Rewards) Portal. Please reference section 3.2 of the guidelines for the exact dates enrollments must be submitted by.

For detailed instructions on how to use the DR (Smart Usage Rewards) Portal, please email demandresponse@coned.com for a PDF copy of the user guide.

3.6 Required Documents

The first enrollment process step for any potential aggregator or direct participant is to fill out and submit the Demand Response Program Application. This document is required every year, regardless of past participation.

Con Edison pays DR participants through the following three payment method options:

- ACH – Payments are be wired directly to a bank account.
- Check – Payments can be mailed as a check.
- On-Bill Credit – Payments can be made as a bill credit to the Con Edison account of a customer. Available option for direct participants only.

New aggregators or direct participants must select a payment method and submit the associated required documents listed below prior to the start of the DR capability period. Con Edison may periodically request updated documents. Any information that is repeated in the below documents must match exactly across documents.

If you would like to change your payment method or payment details, please email updated documentation to demandresponse@coned.com before the end of enrollments. Failure to do so may result in a delay of incentive payments. If your financial information needs to be changed after the capability period has already started, you must notify Con Edison immediately. Any change to payment information after the capability period has started may result in a delay of incentive payments.

To receive payments via ***check***, the aggregator or direct participant must submit:

- W-9
- Remittance Letter

To receive payments via ***ACH wire transfer***, the aggregator or direct participant must submit:

- W-9
- Remittance Letter
- ACH Form
- Bank letter or copy of a voided check

Please email demandresponse@coned.com for template forms to fill out.

Aggregators are required to have sales agreements with customers they enroll in CSRP or DLRP. These agreements should explicitly name the Con Edison CSRP and/or DLRP program(s) as applicable and be agreed to by an authorized representative of the customer. The agreements must be dated. Aggregators should reconfirm participation with customers annually to avoid enrolling a customer who has switched to a different aggregator.

All DR aggregators are required to sign the Data Security Agreement (DSA). These documents are required to receive customer data from Con Edison in accordance with the Uniform Business Practices for Distributed Energy Resource Suppliers (UBP DERS) in case 15-M-0180.

3.7 Generator Permits

Any direct participant or aggregator that is providing DR via generation in either the CSRP or DLRP DR programs must ensure that all generators meet local, state, and federal requirements, including, but not limited to, all permitting requirements.

The following is required for each account with a generator:

1. For all generating equipment that is used to provide load relief in the DR programs:
    - New York State Department of Environmental Conservation (NYS DEC) permits or registrations.
2. For diesel-fired and natural gas lean-burn generating equipment with a model year older than 2000 that is used to provide load relief in the DR programs:
    - Written certification by a professional engineer (PE) attesting to the accuracy of all generation-related information contained in the application, including the NOx emission level. The NOx emission level for these engines must be no more than 2.96 lb/MWh.[4]

City (NYC DEP or other) permits will not be accepted in lieu of NYS DEC permits/registrations.

The deadlines for submitting NYS DEC permits and PE letters are:

1. If a NYS DEC permit or registration has already been issued by the enrollment deadline (see Section 3.2), the relevant documents must be submitted with the enrollment, or within 7 days of the enrollment deadline.

[4] Rider T, Leaf 274, Section D. 7.

2. If the NYS DEC permit has not yet been issued by the enrollment deadline (see Section 3.2), a copy of the NYS DEC permit/registration application must be submitted with the enrollment or within 7 days of the enrollment deadline. The approved NYS DEC permit/registration and PE letter (if applicable) must be submitted before commencing service under CSRP or DLRP. The latest a permit can be submitted in this scenario is May 31st.

If the relevant documents are not all submitted by the above deadlines, the enrollment will be rejected. Please submit all permits and PE letters as early as possible so that Con Edison can review them before the deadline. This will allow adequate time for mistakes to be corrected.

If enrolling a battery in the program, please email the interconnection number and enrollment ID to demandresponse@coned.com.

For more information on generator permitting, please visit this NYS DEC website and direct all clarifying questions to NYS DEC staff.

NYS DEC generator permits and the PE letter (if applicable), should be uploaded to the DR (Smart Usage Rewards) Portal for review and approval by Con Edison DR team.

3.8 Inactive Accounts

Enrollments that are accepted into the program, but are associated with accounts that go inactive during the course of the Capability Period can stay in the program if the account holder and aggregator still have an agreement to provide Load Relief. The process for updating an account number for an enrollment is:

1. Con Edison notifies the aggregator of an account going inactive.
2. The aggregator has five business days to provide the new account number to Con Edison.
3. Con Edison will re-enroll the new account number and create a new enrollment ID.

If an aggregator does not provide Con Edison with the new account number, the enrollment ID will be terminated with a termination date matching the date the account went inactive. Any previous payments for the terminated account would be subject to administrative review by Con Edison.

3.9 Accounts with Shiftable Load Serving One Facility

Certain facilities are served by multiple accounts. If so, then both accounts must be enrolled in the program. If this is the case, you must alert the DR team. The interval data of the two (or more) accounts will be added together creating a virtual account for DR purposes. Load Relief will be measured with the combined data.

Shifting load from one account enrolled in DR to a different account not enrolled in DR is not an acceptable method of providing Load Relief. If such activity is suspected, the enrollment will be subject to administrative review by Con Edison.

3.10 Aggregations

Aggregations can be utilized to segregate customers within a network. Each network may have up to three declared aggregations. Each aggregation must pledge Load Relief of at least 50 kW.[5]

Please note that utilizing aggregations is ***optional*** and is not required to participate.

If you would like to utilize aggregations, they must be declared to Con Edison generally within 15 days of the end of the enrollment period. The following table shows the deadlines for 2021:

Enrollment Period Closes	Aggregations Due By Date	Capability Period
Thursday, April 1, 2021	Thursday, April 15, 2021	May 2021
Monday, May 3, 2021	Monday, May 17, 2021	June 2021

Aggregation declarations must be sent to demandresponse@coned.com. An Excel template will be sent out to all participants after the enrollment period for the capability period has begun.

The following tables show examples of what to expect with aggregations and how to properly declare aggregations. The example shows five customers in a single network and examples of how aggregations may be utilized and how they may appear in settlement files.

No Declared Aggregation

If an aggregation is not declared in a network, Con Edison will give all customers contained within the aggregation designation number of 0 for settlement and tracking purposes. Customers in this category do not have to be explicitly declared and will be automatically given a designation by Con Edison.

Customer	Network	Pledged (kW)	Aggregation
Customer 1	Network 1	1000	0
Customer 2	Network 1	100	0
Customer 3	Network 1	25	0
Customer 4	Network 1	10	0
Customer 5	Network 1	35	0

Two or Three Aggregations

The below table shows an example of how this network can be aggregated with two separate aggregations:

Customer	Network	Pledged (kW)	Aggregation
Customer 1	Network 1	1000	1
Customer 2	Network 1	100	1
Customer 3	Network 1	25	2
Customer 4	Network 1	10	2
Customer 5	Network 1	35	2

[5] Rider T, Leaf 270, Section B. 2.

The below table shows an example of how this network can be aggregated with three separate aggregations:

Customer	Network	Pledged (kW)	Aggregation
Customer 1	Network 1	1000	1
Customer 2	Network 1	100	2
Customer 3	Network 1	25	3
Customer 4	Network 1	10	3
Customer 5	Network 1	35	3

As a reminder, any group of customers totaling to a minimum pledge of at least 50 kW may be declared into an aggregation.

Below are examples of *UNACCEPTABLE* aggregation declarations. These examples will be rejected because they do not conform to the rules on proper aggregation.

Declaring A Single Aggregation in a Network

If an aggregation is not declared in a network, a number does not need to be assigned to it. If an aggregation number is assigned without a second or third aggregation in that network, the declaration will be rejected. The below table shows one such example:

Customer	Network	Pledged (kW)	Aggregation
Customer 1	Network 1	1000	1
Customer 2	Network 1	100	1
Customer 3	Network 1	25	1
Customer 4	Network 1	10	1
Customer 5	Network 1	35	1

Aggregations That Do Not Total 50 kW

Declared aggregations must have a minimum of at least 50 kW contained within the same network. If the pledged load relief (kW) value does not meet the 50 kW minimum threshold, the declaration will be rejected. Below shows an example where the pledged load relief (kW) for the customers in aggregations 2 and 3 in the same network do not total 50 kW.

Customer	Network	Pledged (kW)	Aggregation
Customer 1	Network 1	1000	1
Customer 2	Network 1	100	1
Customer 3	Network 1	25	2
Customer 4	Network 1	10	2
Customer 5	Network 1	35	3

Invalid Aggregation Numbers

Declared aggregations must be listed as a 1, 2, or 3 (maximum of three declared sub-aggregations per network). Declaring aggregations beyond these numbers will be rejected by Con Edison. Below shows an example of an aggregation declared as 0 (only used by Con Edison when no aggregation is declared in the entire network) and 4 (invalid number):

Customer	Network	Pledged (kW)	Aggregation
Customer 1	Network 1	1000	0
Customer 2	Network 1	100	1
Customer 3	Network 1	25	4
Customer 4	Network 1	10	4
Customer 5	Network 1	35	4

Please note that SC 11 customers participating in CSRP or DLRP will be declared their own Sub-aggregation separate from all other participants due to the unique nature of their operation. Customers in this category will be segregated and shown as aggregation 11 by Con Edison. SC 11 derived Sub-aggregations do not count against the three aggregation limit set for non-SC 11 customers.

3.11 Accounts with Interval Meters Without Communication Capability

This section applies to customers who have installed legacy interval meters without active telecommunications capability at the time of enrollment and are not billed by the Company using interval metering. This does not apply to customers with legacy interval meters that are billed by the Company using legacy interval meters, customers equipped with AMI smart meters, or customers with interval meters with functional telecommunications ability at the time of enrollment.

If a customer is equipped with legacy interval meter without active telecommunications ability and are not billed by the Company using interval metering, they will be permitted to provisionally enroll in demand response by the deadlines stated in section 3.2. Telecommunications capability between the legacy interval meter and Con Edison must be established by the customer before the Company calculates settlement payments in order accurately assess performance and settle the account.[6] Please see section 6.10 for settlement payment scenarios for accounts enrolled under this provision.

3.12 Program Communications

Con Edison will send out general program communications to all registered users of the DR (Smart Usage Rewards) Portal with Administrator-level credentials. General program communications include program set-up, administration, settlements, stakeholder engagement, program news, regulatory notices, event notifications, and other such topics. Users with Operator-level credentials will only receive event notifications, as covered in section 5.2.

DR (Smart Usage Rewards) Portal users with Administrator-level credentials can manage the users under their organization by going to “Communications - Aggregator Contacts”. Users can be added, removed, have their contact details changed, or have their credential levels modified.

[6] Rider T, Leaf 276, Section F. 3.

4. Meter Data and Communications

4.1 Meter Communications

A communicating interval meter is required for each Con Edison DR program participant. If a customer is not billed at the time of enrollment with interval data, the customer is responsible for interval meter purchase and communications. Communications can be established via a phone line or wireless cellular modem. Please see the Meter Upgrade Manual for more detailed instructions. If a customer is billed using interval data, Con Edison is responsible for interval meter purchase and communications upkeep.

If an account is billed using interval data and there is missing data impacting the CBL calculation or event performance calculation, then a 100% performance factor is applied. If the account is not billed using an interval meter and there is missing data, then a 0% performance factor is applied. Con Edison is not responsible for notifying an aggregator or direct participant when a meter is not communicating. Aggregators and Direct Participant customers can review meter communications for legacy interval meters (non-AMI) via Con Edison's Customer Care system.

4.2 AMI Meter

AMI-equipped meters fulfill the meter requirements. By the end of Con Edison's AMI rollout, the AMI meters will be offered to all Con Edison customers at no cost to the customer. AMI meters are being installed according to a schedule and may not be requested in advance of that schedule by a customer or aggregator. Learn more about AMI by visiting the AMI smart meters website.

If a customer would like to participate in DR but does not have an interval meter or an AMI meter, they must request and pay applicable charges for an upgraded meter as per the Meter Upgrade Manual.

When AMI meters replace existing interval meters with pulse outputs, the AMI meters will also have pulse outputs. KYZ connections and pulse outputs should remain the same before and after an AMI meter swap.

Learn more about the AMI meter installation schedule here.

4.3 Fast-Polling (15-Minute Interval Data)

The Company provides near real-time interval data at the account level for all customers equipped with AMI meters only. Near real-time interval data is no longer available to customers with legacy interval meters, as per PSC case 19-E-0442. If a meter is not communicating properly, interval data will not be displayed.

Aggregators that wish to view day-of meter data for any participating customers that have an AMI meter will have to set up access to view the data through Con Edison's Share My Data program. Aggregators will need to become an Authorized Third-Party Company and the individual AMI customers will have to authorize the Aggregators access.

5. Events

5.1 System Load and Temperature Variable Forecast

The day-ahead system load forecast is posted daily, once per day, on the DR (Smart Usage Rewards) Portal for informational purposes only. The value is generally updated by 8:00 AM each day and is not the final value used for CSRP advisory notices. The most updated forecast at the time of advisory notice is used, since multiple day-ahead and same-day forecasts may be made internally by Con Edison each day, depending on operational conditions. Additional forecasts beyond the first day-ahead forecast are not posted. The same-day forecast which is used for final dispatch is not publicly posted.

The forecasted system load value can still be used for guidance; however, a forecasted system load value exceeding 92% of overall forecasted summer peak load can be posted day-ahead, and an advisory may not be issued or CSRP event called. Conversely, a value below 92% of overall forecasted summer peak load can be posted and an advisory may be issued or a CSRP event called.

The day-ahead Temperature Variable forecast is posted daily, once per day, on the DR (Smart Usage Rewards) Portal for informational purposes only. The value is generally updated by 8:00 AM each day and is not the final value used for CSRP advisory notices. The most updated forecast at the time of advisory notice is used, since multiple day-ahead and same-day forecasts may be made internally by Con Edison each day, depending on operational conditions. Additional forecasts beyond the first day-ahead forecast are not posted. The same-day forecast which is used for final dispatch is not publicly posted.

The forecasted system load value can still be used for guidance; however, a forecasted system load value exceeding 84 TV can be posted day-ahead, and an advisory may not be issued or CSRP event called. Conversely, a value at or below 84 TV can be posted and an advisory may be issued or a CSRP event called.

5.2 Event Notification

Notifications for Con Edison DR events are sent via phone, email, or SMS text message. Notifications are sent automatically and all aggregators and direct participants are required to enter at least two contacts in the DR (Smart Usage Rewards) Portal for notification during events.

To confirm proper event notification setup, Con Edison will issue one or more communications tests before or during the capability period.

Event notifications are issued as follows:

- CSRP Planned
    - Advisory notice 21 or more hours in advance of the event.
    - A second notice, confirming or cancelling the event is sent two or more hours before the start of the event.
    - When this event type is called, a separate day-ahead advisory and day-of notification will be sent for each call window (i.e., an aggregator will receive from two to eight messages for this event type, and a direct participant with an

account in one call window will receive two messages for this event type). If an aggregator or direct participant has enrollments across multiple call windows, day-ahead advisories can be sent out in close succession, or several hours apart. Day-of notifications will be sent out a minimum of two hours preceding each respective customer's call window.
    - Call windows are weekdays only and vary by network. Call window assignments for each network are pre-determined annually and are posted in the Tiers and Networks list.
- CSRP Unplanned
    - Advisory notice may be 21 or fewer hours before the event, and/or a confirming or cancelling notification is sent two hours or less before the event.
    - When this event type is called, a separate day-ahead advisory might not be issued, but a day-of notification will be sent.
    - Event call windows may differ from those that are typically used for CSRP Planned events
- DLRP Contingency
    - Event notification two or more hours before the event.
    - Event call window can occur 7 days a week between the hours of 6 AM and 12 AM.
- DLRP Immediate
    - Event notification two or less hours before the event.
    - Event call window can occur 7 days a week between the hours of 6 AM and 12 AM.

Customers who are participating in the DR programs under the Voluntary Option may participate in any of the above event types (excluding test events) as long as their network is dispatched in a notification.

5.3 CSRP Event Activation Based on Temperature Variable

If a CSRP Planned Event is activated via the forecasted Temperature Variable trigger of 84 degrees or greater, certain boroughs within NYC and/or Westchester may be called instead of a system-wide activation as would be typical of a CSRP Planned event triggered by system-load forecast.

If a portion of a network is included in a borough that is called, customers in the entire network may be included in the CSRP event.

6. Settlements

6.1 Settlement Timeline

Payments will be made for Reservation Option customers for each capability period month, generally within 75 days after the end of the month (to coincide with billing cycle corrections), unless there are operational constraints. For example, the payment for May 2021 participation will generally occur by mid-August.

Voluntary Option customers receive one payment by the end of the calendar year.

Aggregations containing explicitly-enrolled accounts with legacy interval meters without functioning communications will be paid starting (a) the month in which all non-communicating meters in the aggregation begin communication or (b) once at the calendar year. Please see section 6.10 for additional information.

To avoid the possibility of a negative true-up (as described in section 6.8) or payment uncertainty, direct participants and aggregators in the Reservation Option programs may ask to receive settlements monthly starting the first month a performance factor is established for the season. To request to only receive payments after a performance factor is established, please email demandresponse@coned.com by July 1 to explicitly request this option. This option does not carry over between years and must be reaffirmed annually.

For example, if a customer begins participation on May 1 and does not have an event that establishes the current season's performance factor until July 15, they will not receive separate May and June payments. The first payment of the season covering July will contain: (1) the payment for July based off the established event performance factor and (2) the payment for the months of May and June based off the performance factor established in July.

6.2 Settlement Payment Options

There are three payment method options:

- ACH – Payments are be wired directly to a bank account.
- Check – Payments can be mailed as a check.
- On-Bill Credit – Payments can be made as a bill credit to the Con Edison account of a customer. Available option for direct participants only.

If you would like to change your payment method or payment details, please email updated documentation (per section 3.6) to demandresponse@coned.com before the end of enrollments. Failure to do so may result in a delay of incentive payments. If any financial information needs to be changed after the capability period has already started, you must notify Con Edison immediately. Any change to payment information after the capability period has started may result in a delay of incentive payments.

6.3 Test Events

If DR resources participating under the Reservation Option are called for a test event, performance (kWh) payments are capped at pledged amount by aggregation for CSRP and DLRP.[7] Performance payments cannot be less than zero. However, negative kWh performance values at the account level will net against positive kWh performance values within the same aggregation. See below example, where negative kWh are netted against other accounts in the same aggregation at the account level, but kWh performance is capped at the total aggregation kW pledge amount for a test event. The following example is of one aggregation in the Network performing during a one-hour CSRP test event.

[7] Rider T, Leaf 278, Section I. 2.

Account Level

Aggregator-Customer-Network	Aggregation	kW Pledge	Uncapped kWh Reduction (Actual Event)
Agg 1 – Cust 1 – Ntwk 1	1	100	300
Agg 1 – Cust 2 – Ntwk 1	1	75	70
Agg 1 – Cust 3 – Ntwk 1	1	50	-60
Totals		225	310

Aggregation Level

Aggregator-Network	Aggregation	Total kW Pledge	Capped kWh Reduction (Test Event)
Agg 1 – Ntwk 1	1	225	225

Please note that customers participating under the Voluntary Option do not participate for test events.

6.4 Aggregation Level Payments

Aggregators are paid based on the performance of an aggregation within a network. Below is an example of how performance factor would be calculated for one event in a network that has three sub-aggregations. For purposes of the example, assume the following example is a four-hour CSRP Planned Event in a Manhattan network and it is the only event of the month. This means performance factors used for payments are measured at the sub-aggregation level for the four hours of the event.

Account Level

Aggregator-Customer-Network	Aggregation	kW Pledge	Average kW Reduction
Agg 1 – Cust 1 – Ntwk 1	1	10	12
Agg 1 – Cust 2 – Ntwk 1	1	5	-2
Agg 1 – Cust 3 – Ntwk 1	1	40	48
Agg 1 – Cust 4 – Ntwk 1	2	800	600
Agg 1 – Cust 5 – Ntwk 1	3	500	-100

Aggregation Level

Aggregator-Network	Aggregation	Total kW Pledge	Average kW Reduction	Raw Performance Factor	Capped Performance Factor
Agg 1 – Ntwk 1	1	55	58	1.05	1.00
Agg 1 – Ntwk 1	2	800	600	0.75	0.75
Agg 1 – Ntwk 1	3	500	-100	-0.20	0.00

Reservation payments for the aggregator will be made as follows:

Aggregator	Aggregation	Capped Performance Factor	kW Pledge	Reservation Rate	Payment
Agg 1	1	1.00	55	$18	1.00 * 55 * $18 = $990
Agg 1	2	0.75	800	$18	0.75 * 800 * $18 = $10,800
Agg 1	3	0.00	500	$18	0.00 * 500 * $18 = $0

In this example, the aggregator would receive a total reservation payment of $11,790 for the performance of this network and the three sub-aggregations contained within.

Please note the following items regarding this scenario:

- Each sub-aggregation has at least 50 kW of pledged load relief
- The poor performance of sub-aggregation 3 was not netted against sub-aggregations 1 and 2.

6.5 Mandatory and Voluntary Events

Mandatory participation means that Load Relief (kW) will be measured against pledged reduction to determine performance factor and reservation payments. Performance factors and reservation payments are determined based on average hourly load relief across mandatory load relief hours. Reservation Option customers have the following mandatory event types:

- CSRP Planned
  - Mandatory four-hour participation in designated call windows that vary by network.
- DLRP Contingency
  - Mandatory four-hour participation. Performance factor calculated using first four hours if event is longer than four hours.
- DLRP Immediate
  - Mandatory four-hour participation. Performance factor calculated using highest four consecutive hour performance of the first six hours for each aggregation within a network.
  - If an event is called after 6 PM, the performance factor will be calculated based on the best N-2 consecutive hour performance prior to midnight. For example, performance factors for an event starting at 7 PM will be based on the best three consecutive hour performance between 7 PM and midnight. DLRP Immediate events cannot be called after 9 PM.

The following event type does not affect the performance factor for Reservation Option customers:

- CSRP Unplanned
  - Voluntary participation across all event hours. Does not impact performance factor.
  - Enhanced performance (kWh) payments per Rider T[8]

[8] Rider T, Leaf 278, 279, 279.1

Voluntary participation means that performance payments (kWh) will be made, but that load relief (kW) will not impact performance factor or reservation payments, as there are no reservation payments and thus no performance factor for voluntary participants.

- Voluntary CSRP Customers
  - Voluntary participation across all event hours. Performance factor does not apply to these customers.
  - Can participate in any event type called above
- Voluntary DLRP Customers
  - Voluntary participation across all event hours. Performance factor does not apply to these customers.
  - Can participate in any event type called above

Regardless of event type, performance (kWh) payments are calculated and paid for all hours of event (except for the test event scenario described in section 6.3).

In the case of a six-hour (or longer) DLRP Immediate event, the best four of the first six event hours (highest average consecutive four-hour load reduction) will be used for performance factor and reservation payment calculations. **The maximum average consecutive four-hour reduction window, at the aggregation level, will be used for performance factor and reservation payment**.[9] The below table shows potential performance factor (PF) hour considerations for a six-hour DLRP event for event hours (EH) 15:00 to 21:00. The highest average PF from options 1, 2, and 3 will be used.

Event	Event - Hour Beginning					
	15	**16**	**17**	**18**	**19**	**20**
DLRP	EH	EH	EH	EH	EH	EH
Option 1	PF	PF	PF	PF		
Option 2		PF	PF	PF	PF	
Option 3			PF	PF	PF	PF

In the case of a DLRP Immediate event beginning after 6 PM, the best N-2 consecutive hours out of N hours before midnight (highest average consecutive hour load reduction) will be used for performance factor and reservation payment calculations. **The maximum average consecutive N-2 hour reduction window, at the aggregation level, will be used for performance factor and reservation payment**.[10] The table below shows potential performance factor (PF) hour considerations for a six-hour DLRP event for event hours (EH) 19:00 to 24:00. The highest average PF from options 1, 2, and 3 will be used.

Event	Event - Hour Beginning				
	19	**20**	**21**	**22**	**23**
DLRP	EH	EH	EH	EH	EH
Option 1	PF	PF	PF		
Option 2		PF	PF	PF	
Option 3			PF	PF	PF

[9] Rider T, Leaf 281, Section I.6.c.
[10] Rider T, Leaf 281, Section I.6.c.

6.6 Overlapping Events and Same-Day Events

When Con Edison calls overlapping DR program event hours and a customer is enrolled in both overlapping programs, performance payments (kWh) are only paid for one program. The below table shows which program and associated performance payment rate takes precedence during overlapping event hours.[11] A customer is not dispatched for a voluntary event (i.e., an event that does not impact the performance factor) during the same hours as a mandatory event (i.e., an event that does impact the performance factor).

Program	CSRP Planned	CSRP Unplanned	CSRP Voluntary
DLRP Contingency	CSRP	DLRP	DLRP
DLRP Immediate	CSRP	DLRP	DLRP
DLRP Voluntary	CSRP	CSRP	CSRP

If there are overlapping Con Edison and NYISO DR events, a customer who is enrolled in both NYISO and Con Edison programs, and is using Con Edison as their aggregator for the NYISO programs will not receive performance payments for the Con Edison event. All other customers that are enrolled in both programs (i.e., not using Con Edison as an aggregator for the NYISO program) are eligible for performance payments from Con Edison.

When Con Edison DR events are called on the same day and a customer is enrolled in any two of the called programs, load relief provided by that customer for the earlier-called event can impact the weather adjustment factor in the CBL calculation for the later-called event. This scenario also applies to customers enrolled concurrently in NYISO DR programs and Con Edison DR programs. When this occurs, the two-hour weather adjustment window for any impacted event is moved to hours three and four prior to the first event called on that event day (including NYISO events for customers enrolled in NYISO programs). This is done so that any load relief provided by that customer for an earlier event does not impact the weather adjustment factor for the later event.

In the below example, a customer is enrolled in both DLRP and CSRP. An event is called in each program, but during different event hours (EH). A CSRP event is called from 11:00 through 14:00, and a DLRP event is called from 17:00 through 20:00. Due to the CSRP event being called from 11:00 through 14:00, the DLRP weather adjustment (WA) window is moved to hours 07:00 and 08:00.

Event	Hour Beginning													
	7	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**
CSRP	WA	WA			EH	EH	EH	EH						
DLRP	WA	WA	←	←	←	←	WA	WA			EH	EH	EH	EH

6.7 Rider R Customers

Customers participating in Rider T demand response programs while also taking service under the Rider R (including Grandfathered Net Metering, Phase One Net Energy Metering [NEM],

[11] Rider T, Leaf 281, Section J.

and Value Stack Tariffs) are not eligible to receive performance (kWh) payments under CSRP or DLRP.[12]

Rider R customers can only participate under the Reservation Option and are not eligible to participate under the Voluntary Option.

The enrollment of Customers in Rider T Programs that are also taking service under the Rider R - Value Stack Tariff represents a **one-time, irreversible decision** on behalf of those Customers to forgo LSRV and/or DRV compensation, as applicable, for remainder of Customers' term under the Value Stack Tariff.[13] Aggregators should have explicit confirmation and informed consent from Customers about this decision. Even if a Customer does not continue to participate in a Rider T program in subsequent seasons, such a customer will no longer receive LSRV and/or DRV, as applicable, for the remainder of the customer's 25-year term of service under Rider R – Value Stack Tariff. If a Customer is enrolled in a Rider T program and subsequently installs a generator, taking service under Rider R – Value Stack Tariff, the Customer will be eligible for LSRV and/or DRV, as applicable, until the Customer is re-enrolled in a subsequent Rider T enrollment period.

Rider R customers taking service under the Grandfathered Net Metering and Phase One NEM Tariff who participate in Rider T programs will have their CBL calculated only by their import meter channels, which will result in a floor of 0 kW. Rider R customers taking service under Value Stack Tariff who have opted out of DRV/LSRV compensation will receive credit for any export that occurs during a Rider T demand response event by factoring in import and export meter channels.

Performance Payments will not be made under the Term-DLM program of Rider AC for Customer accounts participating in DLRP during concurrent Load Relief Hours.

6.8 True-up

For the capability period months preceding a test or actual DR event, Con Edison carries forward or assumes performance factors at the aggregation level.

If a direct participant or aggregator prefers to eliminate the true-up process and only receive payments once an actual performance factor for the capability period has been established, they can email demandresponse@coned.com before July 1 to not receive estimated payments. Choosing this option will eliminate the risk of a negative true-up adjustment should the event performance be lower than what was previously being used based on the guidelines below.

For new aggregations or new direct participants (were not enrolled during last capability period):

- 50% performance factor is assumed for the capability period months preceding a test or actual DR event. Once an actual or test event occurs, payment for that month will include a positive or negative "true-up" to account for any change in actual performance factor when compared to previous non-event months in the same capability period (see the example at the end of this section).

For existing aggregations or direct participants:

[12] Rider T, Leaf 281, Section J.
[13] Rider T, Leaf 274, Section D. 8.

- The previous year's final aggregation or direct participant performance factor is assumed for the current capability period months preceding a test or actual DR event. Once an actual or test event occurs, payment for that month will include a positive or negative "true-up" to account for any change in performance factor when compared to previous non-event months in the same capability period.
- If an aggregator creates multiple sub-aggregations, the performance factor of the sub-aggregation from the preceding year will be applied to the same sub-aggregation during the current capability period as described above.
- If an aggregator creates multiple sub-aggregations in a network that had a performance factor the previous year, but not all sub-aggregations have a performance factor for the preceding year, then the new sub-aggregations will receive a performance factor of 0.50 until a performance factor for the sub-aggregation is established (see below example).

2020 Network	2020 Performance Factor (No Aggregations)	2021 Network	2021 Aggregation	2020 Performance Factor for Estimated Payments
Network 1	0.89	Network 1	1	0.50
		Network 1	2	0.50
		Network 1	3	0.50

In the example above, all sub-aggregations receive an estimated performance factor of 0.50 because there were no sub-aggregations the previous year.

- If an aggregator creates sub-aggregations in a network in one year, but does not create sub-aggregations the next year, then the performance factor will be set to 0.50 until a performance factor is established. Below is an example of this:

2020 Network	2020 Aggregation	2020 Performance Factor (with Aggregations)	2021 Network	2021 Aggregation (No Aggregations)	2021 Performance Factor (Estimated Payments)
Network 1	1	0.89	Network 1	0	0.50
Network 1	2	0.98			
Network 1	3	1.00			

In the example above, the 2021 aggregation receives an estimated performance factor of 0.50 because the previous year had sub-aggregations. Please note that networks with no sub-aggregations will be assigned an aggregation number of 0.

If an overpayment occurs (i.e., a new customer receives payments based on 50% performance factor, and actual performance is below 50%), the overpayment from previous months will be netted against the actual or test event month, and future months, if necessary. If at the end of the capability period there remains a net-negative balance, the aggregator or direct participant must reimburse Con Edison for the outstanding amount, as per section 6.12.

Small-scale example:

- New direct participant customer enrolls 100 kW in CSRP
- No events in May and June, so 50% reservation payment (50% * 100 kW * $18/kW-month * 2 months = $1,800)

- July CSRP test event (1-hour), customer performance factor is 40%
- July payment is "trued up" based on actual performance factor
    - Reservation Payment = 40% PF * 100 kW * $18/kW-month = $720
    - Performance Payment = 1 hour * 40 kW * $1/kWh = $40
    - Total unadjusted payment = $760
    - Less $360 overpayment from previous months (40% actual PF * 100 kW * $18/kW-month * 2 months = $1,440, and $1,800 - $1,440 = $360)
    - Total July Payment = Trued up reservation payment + performance payment
    - Total July payment = $760 - $360 = **$400**
- If there are no future events for this customer in this capability period, the customer will receive $720 reservation payment (based off the established 40% test event performance) for each of the remaining capability period months.

6.9 DLRP Weekend & Weekday Settlements

The Load Relief pledge that will be used for calculating Reservation Payments will be the sum of 5/7ths of the weekday pledge and 2/7ths of the weekend pledge.

Small-scale example:

- Customer pledges 700 kW on a weekday
- Customer pledges 350 kW on a weekend
- Total monthly pledge will be considered to be 600 kW
    - (700 kW * 5/7) + (350 * 2/7) = 500 kW + 100 kW = 600 kW
- One weekday event in a month only, Customer provided 420 kW
    - Actual performance factor is 60%
    - Reservation Payment = 60% PF * 600 kW * $18/kW-month = $6,480
- One weekend event in a month only, Customer provided 210 kW of load relief
    - Actual performance factor is 60%
    - Reservation Payment = 60% PF * 600 kW * 18/kW-month = $6,480
- One weekday and one weekend event in a month
    - Customer provided 490 kW of load relief during a weekday event
        - Weekday performance factor is 70%
    - Customer provided 140 kW of load relief during a weekend event
        - Weekend performance factor is 40%
    - Average monthly performance factor = (70% + 40%) / 2 = 0.55 = 55%
    - Reservation Payment = 55% PF * 600 kW * $18/kW-month = $5,940

The monthly performance factor will be applied to the 600 kW weighted pledge amount to determine Reservation Payments. Event performance factors, regardless of whether they occur on a weekday or weekend, are treated as individual events that are averaged monthly and then applied to the weighted DLRP pledge amount.

6.10 Settlement of Accounts with Non-Communicating Meters

This section applies to customers who have installed legacy interval meters without active telecommunications capability at the time of enrollment and are not billed by the Company using interval metering. This does not apply to customers with legacy interval meters that are billed by the Company using legacy interval meters, customers equipped with AMI smart meters, or

customers with interval meters with functional telecommunications ability at the time of enrollment.

If a customer in this category is enrolled and starts the capability period with a legacy interval meter without telecommunications ability, performance will not be assessed for this customer until it starts communicating during the season. If communication capability is not established for the entirety of the season, the customer will be assessed a 0 kW load relief performance for the season for all events that have occurred.

If an aggregation contains accounts that explicitly enrolled with a legacy interval meter without telecommunications ability, the entire aggregation will not be paid out until either (a) all affected meters within the aggregation start communicating properly or (b) the end of the capability period. It is recommended to utilize sub-aggregations to segregate accounts containing legacy interval meters without telecommunications ability where possible to minimize impacts.

On the settlement statements, aggregations containing accounts with legacy meters without telecommunications ability will be listed as “Non-Comm 0” until either of the prior scenarios are achieved. For example, if telecommunications ability is established in August, the August payment will contain payments for May through August for the affected aggregation. Settlement statements for this account for the months of May through July will list the aggregation as “Non-Comm 0”. If telecommunications ability is not established for an affected account for the entire capability period, the affected aggregation will only be paid out once at the end of the capability period. Under this scenario, the settlement statements for the months of May through September will list aggregation as “Non-Comm 0” and a single end of year payment reconciling May through September will be made where the affected accounts will be assessed at 0 kW of load relief performance.

6.11 Weather Adjustment Factor Modifications (DLRP Only)

For customers choosing to use the weather adjusted CBL, the weather adjustment ceiling is limited to a factor of 1.2 and the floor to a factor of 0.8. In circumstances where at least 25% of all DR event participants have weather adjustment factors that exceed the normal ceiling of 1.2, the weather adjustment factor ceiling may be raised to 1.8. Con Edison will provide notice of whether this rule has been applied before settlements are issued to aggregators and direct participants. Please note that this rule is highly dependent on the situation surrounding a particular DLRP event and will only be applied at Con Edison’s discretion.

6.12 Reimbursement to Con Edison for Overpayment

If an aggregator or direct participant owes Con Edison funds for DR underperformance true-up, Con Edison will notify the aggregator or direct participant after the end of the capability period. A formal invoice will be issued by Con Edison with instructions on how to reimburse the outstanding balance.

Failure to refund overpayments to Con Edison in a timely manner will result in the aggregator or direct participant being deemed ineligible to participate in the Rider T programs until the issue is satisfactorily rectified.