nationalgrid

Request for Information (RFI)

Non-Wires Alternatives Solutions

New York

RFI Issue Date: May 18, 2026

Submission Deadline: June 17, 2026

REQUEST FOR INFORMATION

1 Introduction

Niagara Mohawk Power Corporation d/b/a National Grid (National Grid or the Company) is an electric and gas investor-owned utility committed to providing safe, reliable, and affordable energy to all customers throughout its service territory in Upstate New York. As a part of providing this service, National Grid is pursuing the potential implementation of Non-Wires Alternatives (NWA) solutions in its New York service territory. Find out more about National Grid and its affiliate companies at https://www.nationalgrid.com/about-us

The information contained within this Request for Information (RFI) is confidential and proprietary to National Grid and is to be used by the recipient solely for the purpose of responding to this RFI. This RFI does not constitute an offer by National Grid to enter into a contract, nor does any response to this RFI constitute an acceptance of an offer, nor does any response to this RFI bind National Grid in any way. Additionally, any costs incurred in responding to this RFI are the responsibility of the respondent. This RFI does not commit National Grid in any way to award a contract, pay any costs incurred in the preparation of a submission or procurement or contract for product or services of any kind whatsoever. National Grid will not reimburse the respondent for any cost associated with the response to this RFI.

Upon submission, the response to this RFI will be the sole property of National Grid. National Grid reserves the right to execute all ideas therein without compensating the respondent. National Grid reserves the right, in its sole discretion, to accept or reject any or all responses to subsequent RFI, to negotiate with any or all companies considered, or to cancel this RFI in whole or in part.

2 RFI Background and Instructions

National Grid is conducting an RFI to gather industry information regarding potential NWA opportunities. The purpose of this RFI is to gather interest levels and the ability to respond to future potential RFPs.

Please provide responses to the RFI Questions in Section 4 by the response due date indicated in Section 3.

It is the NWA solution providers' responsibility to thoroughly review all provisions of the respective supporting documents, appendices, and requirements of this RFI process as applicable.

All responses must be submitted via the Piclo Flex portal: https://usa.picloflex.com/dashboard. For assistance using the Piclo Flex platform, please contact support@picloflex.com. In the event a developer is unable to complete the RFI process using the Piclo platform, please reach out to support@picloflex.com and Non-WiresAlternativeSolutions@nationalgrid.com.

2.1 Flexibility Services Standard Agreement

In order to simplify and streamline participation in NWAs, expedite the procurement process, and minimize time spent on negotiations for NWA opportunities, National Grid has developed the Flexibility Services Standard Agreement for its New York electric service territory. If you are interested in learning more about the Standard Agreement please view the New York Standard Agreement: https://www.nationalgridus.com/media/pdfs/bus-partners/non-wires-alternatives/nwa_flexibility_services_standard_agreement_final.pdf.

National Grid encourages respondents of this RFI to provide thoughts and commentary on the existing Flexibility Services Standard Agreement.

2.1.1 Real-Time Dispatch and Scheduled Dispatch

In the Flexibility Services Standard Agreement for New York, National Grid introduced two distinct services for the provision of flexible services for NWAs: NWA Real-Time Dispatch Service and NWA Scheduled Dispatch Service. This set of offerings will enable National Grid to encourage multiple types of NWA solutions, and effectively manage and dispatch a portfolio of NWA solutions that align with our commitment to reliability, efficiency, and the integration of low carbon distributed energy resources.

• **NWA Real-Time Dispatch Service** refers to DERs (front-of-the-meter and/or behind—the-meter with exporting capability or non-exporting, and that can be aggregated) that can receive real-time dispatch signals via National Grid's SCADA system using DNP3. These assets must respond to 6-second internal signals during live NWA events, enabling real-time load following. DERs co-located with load (i.e., behind-the-meter) are ineligible to provide this service.*

• **NWA Scheduled Dispatch Service** refers to DERs (front-of-the-meter and/or behind—the-meter with exporting capability or non-exporting, and that can be aggregated) that can respond to pre-scheduled, event-based dispatches. Unlike Real Time Service, Scheduled does not require real-time dispatch communication with the utility and operates more like traditional demand response, with dispatch levels set ahead of time. The Minimum Run Time for any proposed NWA Scheduled Service bid shall be 2 hours or 4 hours.

This strategic categorization ensures that the Company can encourage, to the extent possible, a broad range of possible NWA solutions, and effectively manage and dispatch a portfolio of NWA solutions that align with our commitment to reliability, efficiency, and the integration of sustainable energy resources.

****Real Time Participation by Load Curtailing Resources***

Load curtailing resources (including co-located resources) may participate in NWA Real Time Dispatch Service under limited conditions. Such resources must be capable of receiving and responding to real-time dispatch signals that specify the required level of load reduction (MW) during NWA events. The Company may not have real-time operational visibility into the magnitude of load reduction provided by these resources during a dispatch event. Accordingly, these resources will be evaluated and accredited differently than Real Time Dispatch Service resources that provide real-time performance telemetry. These resources may be considered more valuable than NWA Scheduled Service resources due to their real-time dispatchability, but less valuable than Real Time resources with full real-time telemetry and performance visibility.

3 RFI Details and Timeline

3.1 RFI Schedule

See details on RFI timelines below:

Issue RFI	May 18th, 2026
Last Day Supplier Clarification Request	June 3rd, 2026
National Grid Response to Clarification Requests	June 10th, 2027
Supplier Submit Response	June 17th, 2026

3.2 Overview of Identified NWA Opportunities

National Grid has identified **eight** initial NWA potential opportunities across its New York electric service territory. All of these opportunities are anticipated to have needs in 2027. While 2027 represents the initial need year for these locations, National Grid recognizes that development timelines may limit some respondents' ability to meet the earliest start date. Respondents are therefore encouraged to propose solutions that target later years, consistent with the forecasted needs identified in the RFI tables, as system capacity needs persist beyond 2027. The list below are the eight potential opportunities:

1. West Adams
2. Alder Creek
3. Gasport
4. Lyndonville
5. Pleasant
6. East Pulaski
7. Leray
8. North Collins

These opportunities have been identified based on forecasted distribution system constraints and asset condition considerations, where load relief provided by potential NWA solutions may help mitigate system risk prior to the completion of planned capital upgrades. Several of the identified substations or nearby stations are scheduled for upgrades due to required load relief and current asset condition ratings. Based on historical, current, and forecasted loading scenarios, targeted load relief can reduce periods of load at risk during the interim period. At the start of the need terms identified in the tables below, Summer and/or Winter Normal ratings are expected to be reached or exceeded; additional load relief would ease planning and operational concerns until permanent capital upgrades are constructed.

National Grid has provided preliminary information for each location, including background on the distribution need, indicative solution requirements, and location-specific considerations. This information is intended to support market understanding and feedback only.

This RFI is not a solicitation or a guarantee of future procurement. National Grid makes no commitment to proceed with any procurement process or award a contract based on responses received. All information, requirements, timelines, and criteria presented herein are subject to change.

3.3 Details of Identified NWA Opportunities

The eight identified NWA opportunities' details are shown below. The first table below represents the projects' area details and location.

Project's Area Details

Project	Operating District	Zip Code	Town(s)
West Adams	Watertown-13	13605	Adams
Alder Creek	Utica-17	13301	Forestport
Gasport	Albion-06	14067	Gasport
Lyndonville	Albion-06	14098, 14103	Lyndonville Medina Ashwood
Pleasant	Utica-17	13501	Utica
East Pulaski	Pulaski-16	13144, 13114, 13131, 14411, 13145	Richland Mexico Parish Albion Sandy Creek
Leray	Watertown-13	13612	Black River
North Collins	Angola-07	14111	North Collins Brant

The tables below go into the need requirement details and what the potential NWA solution would need to fulfill. Two tables are shared where the first one covers the Summer needs while the second table covers the Winter needs. Note, only 4 opportunities have a summer need: West Adams, Alder Creek, East Pulaski, and Leray have both summer and winter needs while Gasport, Lyndonville, Pleasant, and North Collins only have summer needs. Winter need covers November-April, summer covers May-October.

An overview and description of each column is first given below.

- **Feeders**: Customers and/or NWA solutions must be on these feeders.
- **Need Dates**: The Company would be looking for at least a one- year NWA solution so potential NWA solution providers, at a minimum, must provide at least a one-year solution; singular yearly solutions will be accepted as well as multi-year (shortest contract term to be awarded would be one year).
- **MW**: The maximum amount of load relief that is required to meet the need at peak loading, but should not limit the project size (i.e., projects with aggregate nameplate over or under 'Maximum MW Need' will be considered). The Company will consider partial NWA solutions as well as portfolio solutions. Potential NWA solution providers are encouraged to offer partial solutions if a full solution is not possible. This MW value is the maximum MW over the need period. Note, several of these potential NWA opportunities scale up in need so National Grid has provided the peak MW in this section followed by a detailed yearly breakdown in 3.3.1.
- **MWh**: Largest continuous 24-hour MWh need of NWA solution (calculated by adding average hourly MW need over any 24-hour period) assuming average MW need would be affected by field operations. Guaranteed nominal power and capacity ratings must be met for the duration of the contract period.
- **Number of Calls a Year**: Calls per year based on annual overload projections. The NWA solution will need to be available for at least the number of times called per year as stated.
- **Service Window**: This time range represents the earliest and latest possible times of need by the Company (based on projections, not continuous hours)
- **Duration per Event**: The number of consecutive days that the NWA solution may be called upon by the Company (based on projections). Note, National Grid may portfolio and put solution together so an NWA solution is still encouraged even if they can only commit for 2 or more hours as the minimum run time has historically been 2 hours.

Project **Summer** Need Details

Summer Need Details							
Project	Feeders	Need Dates	MW	MWh	Number of calls a year	Service Window	Duration per Event (hours)
West Adams	36_13_87551 36_13_87552 36_13_87553 36_13_87554 36_13_87555	2027-2033	10.8	20.9	41	19:00-2:00	6
Alder Creek	36_17_70161 36_17_70152	2027- 2029	2	6.1	41	9:00 - 1:00	7
Gasport	36_06_9063 36_06_9061	2027– 2035	1.4	10.1	47	11:00- 00:00	12
Lyndonville	36_06_9561 36_06_9562 36_06_9563	2027-2038	1.0	6.3	34	10:00 - 21:00	8
Pleasant	36_17_66468 36_17_66471 36_17_66472 36_17_66473 36_17_66474 36_17_66475	2027– 2030	0.9	6.2	11	15:00-23:00	9
East Pulaski	36_16_32451 36_16_32452	2027– 2031	0.9	1.2	5	12:00-20:00	4
Leray	36_13_81361	2027– 2033	0.41	1.93	21	14:00 - 22:00	8
North Collins	36_07_9261 36_07_9262	2027– 2028	0.4	2.4	22	9:00-20:00	12

Project **Winter** Need Details

Winter Need Details							
Project	Feeders	Need Dates	MW	MWh	Number of calls a year	Service Window	Duration per Event (hours)
West Adams	36_13_87551 36_13_87552 36_13_87553 36_13_87554 36_13_87555	2032-2033	0.47	0.5	1	23:00-0:00	1
Alder Creek	36_17_70161 36_17_70152	2029	2	6.1	3	17:00 - 1:00	7
Gasport	No winter need is present at Gasport						
Lyndonville	No winter need is present at Lyndonville						
Pleasant	No winter need is present at Pleasant						
East Pulaski	36_16_32451 36_16_32452	2030– 2031	0.59	0.76	1	17:00-20:00	4
Leray	36_13_81361	2032– 2033	.12	0.25	8	15:00 - 21:00	4
North Collins	No winter need is present at North Collins						

3.3.1 Detailed Need Breakdown of Identified NWA Opportunities

Each NWA opportunity is expected to evolve over time, with forecasted load relief needs generally increasing throughout the identified need period. The annual profiles provided are intended to illustrate the anticipated trajectory of system needs. Respondents may propose solutions that provide more or less load relief than the indicative annual values, based on their technical approach, scalability, and economics. National Grid will consider partial solutions, phased deployments, and portfolio approaches, and encourages respondents to describe how proposed solutions could be implemented or expanded over time. The annual profiles are provided to support thoughtful consideration of phasing and pricing concepts.

Summer Need Details								
	West Adams	Alder Creek	Gasport	Lyndonville	Pleasant	East Pulaski	Leray	North Collins
Year	**MW**							
2027	3.99	0.32	0.41	0.61	0.58	0.28	0.02	0.31
2028	4.89	0.43	0.45	0.00	0.65	0.40	0.07	0.35
2029	5.79	2.02	0.51	0.00	0.71	0.37	0.06	-
2030	9.30	-	0.60	0.05	0.86	0.43	0.13	-
2031	9.78	-	0.71	0.22	-	0.90	0.23	-
2032	10.27	-	0.83	0.37	-	-	0.31	-
2033	10.77	-	1.30	0.53	-	-	0.41	-
2034	-	-	1.37	0.78	-	-	-	-
2035	-	-	1.45	0.81	-	-	-	-

2036	-	-	-	0.88	-	-	-	-
2037	-	-	-	0.95	-	-	-	-
2038	-	-	-	1.02	-	-	-	-

Winter Need Details								
	West Adams	Alder Creek	Gasport	Lyndonville	Pleasant	East Pulaski	Leray	North Collins
Year	**MW**							
2027	-	-	No winter need is present at Gasport	No winter need is present at Lyndonville	No winter need is present at Pleasant	-	-	No winter need is present at North Collins
2028	-	-				-	-	
2029	-	2.02				-	-	
2030	-	-				0.06	-	
2031	-	-				0.59	-	
2032	0.15	-				-	0.02	
2033	0.47	-				-	0.12	
2034	-	-				-	-	
2035	-	-				-	-	
2036	-	-				-	-	
2037	-	-				-	-	
2038	-	-				-	-	

3.4 *Feeder Maps of Identified NWA Opportunities*

These individual feeders can be These individual feeders can be traced on the New York System Data Portal, please see Appendix C for more details. Each individual graph below shows the targeted substation and feeder for that project. See legend below:

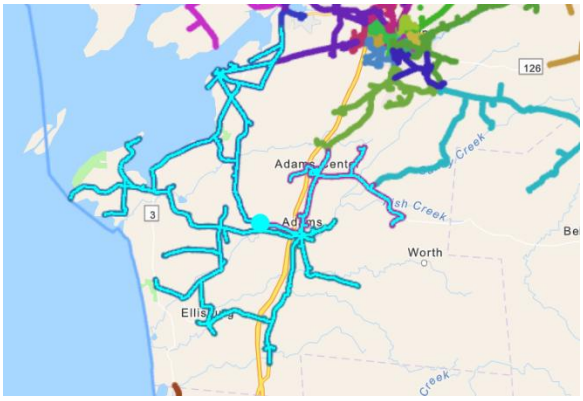


Figure 1: West Adams Feeder Mapping

Figure 2: Alder Creek Feeder Mapping

Figure 3: Gasport Feeder Mapping

Figure 4: Lyndonville Feeder Mapping

Figure 5: Pleasant Feeder Mapping

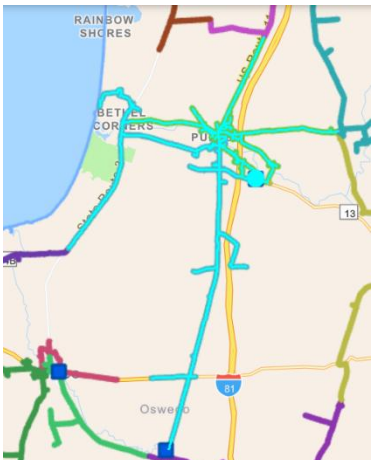


Figure 6: East Pulaski Feeder Mapping

Figure 7: Leray Feeder Mapping

Figure 8: North Collins Feeder Mapping

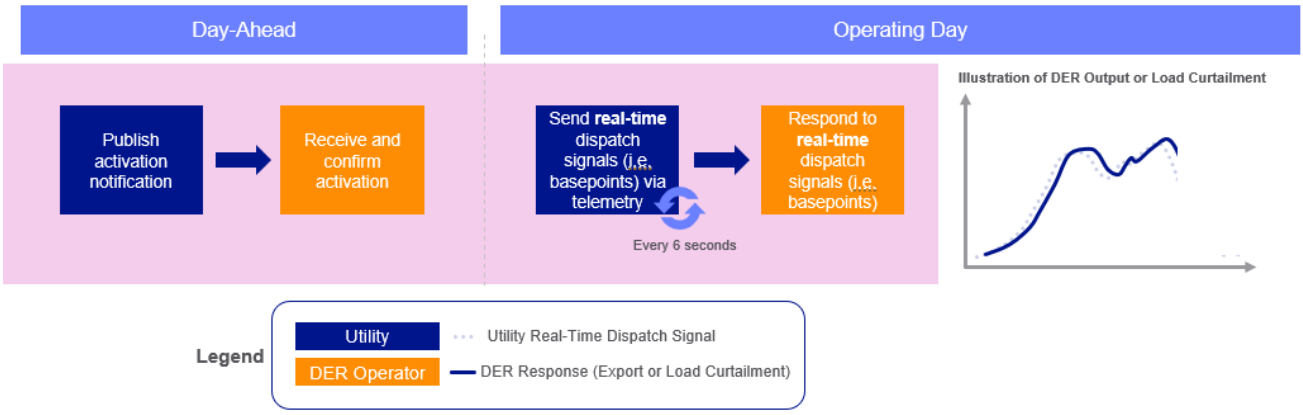
Note: Dark blue substations are neighboring substations and other colored feeders are not relevant to this RFI.

4 RFI Questionnaire

Please see the attached Excel RFI Questionnaire Template. As part of their RFI submission, respondents are required to complete the excel workbook. The Excel template allows respondents to address one, multiple, or all locations of interest in a consistent format. Instructions for completing the workbook are provided within the Excel file. This approach is intended to support consistent and efficient review of responses while providing flexibility for respondents to propose a range of solution types and development approaches. Completed questionnaires will need to be uploaded to the Piclo platform for submission.

Appendix A - NWA Real-Time Dispatch Service Operational and Integration Requirements

- **NWA Real-Time Dispatch Services** - services from a DER that is activated at least day-ahead and is able to respond to real-time dispatches from the Company and the dispatch signal is dependent on real-time conditions. DER co-located with load (i.e., BTM) are ineligible to provide this service.



This appendix specifies requirements applicable to NWA Real-Time Dispatch Service that NWA solution providers can elect to provide to the Company.

NWA Real-Time Dispatch Service Requirements

Monitoring and Dispatch Control Requirements for NWA Real-Time Dispatch Service

For parallel-connected generation connecting to National Grid's electric power system (EPS), the proposed solution must be compliant with National Grid's Electric System Bulletin (ESB) No. 756 – Requirements for Parallel Generation Connected to a National Grid-owned EPS (ESB 756).[1]

In addition to requirements under ESB 756, the proposed solution must also have communication capability to provide telemetry data so National Grid Operations can monitor real-time status of the NWA solution (DER facility or the DER aggregation) and issue real-time dispatch basepoints to the NWA solution. Dispatch basepoint may be telemetered as quickly as 6 second intervals and therefore the NWA solution provider's proposed operation must meet the ability to receive dispatch signals at the same rate. However, the dispatch basepoint is expected to change values at one-minute intervals.

The NWA solution provider is expected to support integration of a National Grid-owned and managed DER gateway, real-time automation controller, or other similar equipment that will utilize the DNP3 communication protocol standard for SCADA telemetry unless otherwise specified by National Grid. The DER gateway will be provided and installed by National Grid at the DER facility and the bidder or DER facility owner may be required to install make-ready provisions (e.g., mounting structure, control power) that must meet National Grid's equipment specifications. For proposed DER aggregations, the bidder will be expected to designate a centralized location within the Company's service area for the Company DER gateway to be installed that best facilitates integration with the bidder's aggregation dispatch system.

[1] National Grid Electric System Bulletins are located on the Company's website: https://gridforce.my.site.com/electric/s/article/Electric-Specifications. ESB 756 is typically applicable to DER interconnecting in parallel with the Company's electric power system ("EPS").

Dispatch Coordination Expectations for NWA Real-Time Dispatch Service

NWA Real-Time Dispatch Service providers will be expected to respond to real-time dispatch basepoints telemetered by National Grid during the Service Window defined in this RFI for each day it has been activated. In this manner, DER providing NWA Real-Time Dispatch Service will act similar to 'load-following' grid resources.

Dispatch Notification (day-ahead) Process: The Company will provide activations for NWA Real-Time Dispatch Service at least 24 hours (i.e., day-ahead) prior to an NWA dispatch call see Appendix B Service Terms in the Standard Flexibility Contract for more details. Providers are to confirm receipt and availability when notified of activation.

Real-time Dispatch Process: NWA solution providers are to provide at a minimum the required dispatch response based on dispatch basepoints received from the Company. However, Providers' responses may exceed the basepoint within the limits of any interconnection allowances (e.g., if renewable on-site generation can exceed the dispatch response requested). Any response in excess of the dispatch basepoint will not be compensated for grid services procured by this NWA solicitation.

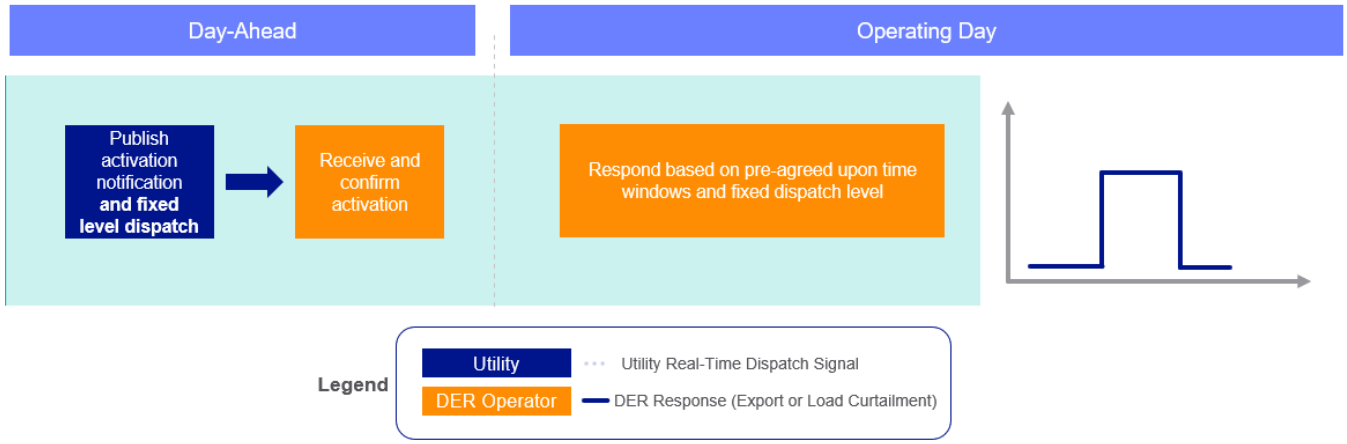
Metering

Metering and associated communications are necessary to ensure that the Company must be able to measure and verify the load relief that was delivered during an NWA event. The NWA Real-Time Dispatch Service provider shall be responsible for all metering and communication devices and associated costs.

For parallel connected generation connecting to National Grid's EPS, the proposed solution must be compliant with the revenue metering requirements within ESB 756. Revenue metering must be, at a minimum, hourly interval meters to support National Grid's dispatch measurement and verification (M&V) process.

Appendix B - NWA Scheduled Dispatch Service Operational and Integration Requirements

NWA Scheduled Dispatch Service - services from a single or aggregation of DERs that can operate at a flat level dispatch when called upon a day ahead by the Company, based on pre-agreed output and over fixed time window and a minimum run time defined for the DER and its bid



This appendix specifies requirements applicable to NWA Scheduled Dispatch Service that bidders can elect to provide to the Company.

NWA Scheduled Dispatch Service Requirements

Monitoring and Dispatch Control Requirements for NWA Scheduled Dispatch Service

NWA Scheduled Dispatch Service providers will not require real-time telemetry between National Grid and individual DERs or the DER aggregation.

However, for parallel-connected generation connecting to National Grid's EPS and seeking to provide NWA Scheduled Dispatch Service, the proposed solution must still be compliant with the ESB 756 .

For aggregated DER co-located with retail load and are non-exporting facilities that do not fall under the scope of ESB 756, the third-party aggregator is responsible for installing, commissioning, operating, and maintaining all necessary telemetry equipment that the aggregator needs to maintain visibility and control of DER to third party aggregator. However, no real-time telemetry is required between the aggregator (or its DER) and the Company. In the case of aggregations, only the aggregator will be notified of the NWA event. The aggregator is responsible for notifying resources within its respective aggregation(s).

Dispatch Coordination Expectations for NWA Scheduled Dispatch Service

NWA Scheduled Dispatch Service providers will be expected to provide pre-agreed fixed (flat level) responses during the Service Window for each day activated. In this manner, DERs providing NWA Scheduled Dispatch Service will serve similar to 'event-based' grid resources, akin to traditional demand response programs.

Dispatch Notification (day-ahead) Process: The Company will provide activations for NWA Scheduled Dispatch Service at least 24 hours (i.e., day-ahead) prior to a dispatch event. Providers are to confirm receipt and availability when notified of activation. See Standard Flexibility Contract at Appendix B for details.

Real-time Dispatch Process: Providers are to provide at minimum the required dispatch response based on the pre-agreed fixed (flat level) response contracted when selected during the procurement event. However, providers may have responses exceed the basepoints within the limits of any interconnection allowances, such as additional load curtailment. Any responses in excess of the pre-agreed responses will not be compensated for grid services procured by this NWA solicitation.

Metering

Metering and associated communications are necessary to ensure that National Grid must be able to measure and verify the load relief that was delivered during an NWA event. The customer shall be responsible for all metering and communication devices and associated costs.

For NWA solutions that do not have SCADA capabilities or fully dispatchable such as behind the meter assets, participants must have National Grid interval metering in place to participate. All performance will be measured using the Company's interval meter data.

All DER facilities providing NWA Real-Time Dispatch Service and NWA Scheduled Dispatch Service must have National Grid-approved revenue grade interval metering requirements regardless of the flexibility service type.

For parallel-connected generation connecting to National Grid's EPS, the proposed solution must be compliant with the revenue metering requirements within ESB 756. Revenue metering must be at minimum hourly interval meters to support National Grid's dispatch M&V process.

Any resource requesting interval metering must submit a request to the Company requesting the installation of a new meter and ensure the interval meter is in place in time by the in-service date. The customer taking electric service from the Company is responsible for the metering and installation costs. The metering and installation costs are available from the Company's representatives. Metering communications are necessary for administration of the NWA solution.

Appendix C - How to Use the National Grid New York System Data Portal to Locate Feeders for the NWA Opportunity

This appendix provides step-by-step guidance for using National Grid's New York System Data Portal to ensure that your proposed NWA solution is located on the correct distribution feeders. Projects must be interconnected to or on the feeder(s) specified in Section 3.2, "Project Details," under the **Feeders** row.

Step-by-Step Instructions:

1. **Access the Portal:** Open National Grid's New York System Data Portal: https://systemdataportal.nationalgrid.com/NY/
2. **Open the Distribution Map:** Click on the **"Distribution Assets Overview"** tab at the top of the page.
3. **Search for the Substation:** Use the **search bar on the left** to enter the substation name (e.g., *West Adams*). The substation will appear as a **blue square** on the map.

   Note, the map may often zoom in very closely on the substation, and surrounding feeders may not be visible at this level. To view associated feeders, you may need to **manually zoom out** or **adjust your map view** until the overhead lines become visible.
4. **Locate the Feeders:** Look at the **bottom panel** of the screen. Under the **"OH" tab** (for Overhead), you'll find the associated feeder(s). If the table isn't visible, click the **upward arrow tab** at the bottom of the screen to expand it.
5. **View Feeder Details:** You can **click a feeder row** in the table to highlight its path on the map in **blue**. If necessary you can trace the full extent of the feeder, **zoom out** or **adjust your map view** to ensure all feeder lines are visible . You can also use the **search bar** to locate specific feeders directly.

Note: Please ensure your proposed solution is interconnected to or on one of the designated feeders listed in Section 3.3 Project Details of the RFI document. Projects not located on the specified feeder(s) will not be considered responsive to the identified system need.