

**UNITED STATES OF AMERICA
BEFORE THE
FEDERAL ENERGY REGULATORY COMMISSION**

New York Independent System Operator, Inc.)))	Docket No. ER21-2460-00_
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**MOTION OF NEW YORK INDEPENDENT SYSTEM OPERATOR, INC.
TO EXTEND EFFECTIVE DATE OF COMPLAINT TARIFF REVISIONS**

On June 17, 2022, the Federal Energy Regulatory Commission (“Commission”) issued its *Order on Compliance Filing* in this docket in which it accepted the New York Independent System Operator, Inc.’s (“NYISO”) Order No. 2222 compliance filing, directed the NYISO to make a subsequent compliance filing, and directed the NYISO to set an effective date for the proposed tariff language in the fourth quarter of 2022.¹ For the reasons discussed below, it will not be possible for the NYISO to make the tariff language proposed in this docket effective in 2022.

Distributed Energy Resources (“DER”) and Aggregations, however, will be able to participate in the NYISO-administered wholesale markets in 2023, significantly enhancing participation opportunities for both new and existing facilities. The NYISO’s DER and Aggregation participation model will enable a Market Participant to group individual DER located on the transmission and/or distribution systems to form an Aggregation for the purpose of participating in the NYISO-administered Energy, Ancillary Services, and Installed Capacity markets.²

¹ *New York Indep. Sys. Operator, Inc.*, Order on Compliance Filing, 179 FERC ¶ 61,198 (Jun. 17, 2022) (“2022 DER Order”) at P 17.

² *New York Indep. Sys. Operator, Inc.*, Proposed Tariff Revisions Regarding Establishment of Participation Model for Aggregations of Resources, Including Distributed Energy Resources, and Proposed Effective Dates, Docket No. ER19-2276 (Jun. 27, 2019) (“2019 DER Filing”).

Implementation of the NYISO's 2019 DER and Aggregation participation model in 2023 is a key first step toward the NYISO's full Order No. 2222 compliance. The NYISO's 2019 DER and Aggregation participation model, which the Commission accepted in January 2020,³ complies with Order No. 2222's requirements to (i) establish a minimum size requirement for Aggregation offers of 100 kW,⁴ (ii) establish a participation model that accommodates the physical and operational characteristics of heterogeneous and homogeneous Aggregations,⁵ and (iii) include a technology-neutral definition of DER that "does not prohibit any type of technology from participating in an Aggregation."⁶ These features of the 2019 DER and Aggregation participation model, among others, go a long way to achieving Order No. 2222's goal to remove barriers to the participation of DER and Aggregations in the NYISO-administered markets.

For the reasons discussed in this Motion, however, it will not be possible for the NYISO to make the tariff enhancements proposed in this docket effective in 2022 as directed by the Commission's 2022 DER Order.

In accordance with Rules 212 and 2008 of the Commission's Rules of Practice and Procedure,⁷ the NYISO respectfully submits this motion to extend the effective date for the revisions to its Open Access Transmission Tariff ("OATT") and Market Administration and Control Area Services Tariff ("Services Tariff") to come into full compliance with Order No.

³ *New York Indep. Sys. Operator, Inc.*, Order Accepting Tariff Revisions and Directing Compliance Filing and Informational Report, 170 FERC ¶ 61,033 (2020) ("2020 DER Order").

⁴ *Id.* at P 18.

⁵ *Id.* at P 89.

⁶ *Id.* at P 110.

⁷ 18 C.F.R. §§ 385.212, 385.2008 (2020).

2222.⁸ For the reasons set forth herein, the NYISO is proposing a flexible effective date of *no later than* December 31, 2026.

The NYISO recognizes that the proposed delay is significant, although it would still result in the NYISO coming into full compliance with Order No. 2222 in the same timeframe proposed by other Independent System Operators and Regional Transmission Organizations (“ISOs/RTOs”).⁹ As discussed below, there is good cause for granting the requested extension because of the changed circumstances since the NYISO first made its Order No. 2222 compliance filing in July 2021. In addition, the NYISO is now on track to complete its 2019 comprehensive DER and Aggregation market design accepted in Docket No. ER19-2276-000, *et al.*, in the third quarter of 2023. DER and Aggregations will therefore realize many of the benefits contemplated by Order No. 2222 far in advance of 2026.

I. Background

The NYISO is developing and implementing two separate, but related, projects to integrate DER and Aggregations.¹⁰ On June 27, 2019, the NYISO proposed a comprehensive market design that will allow Market Participants to group individual DER located on the transmission and/or distribution systems to form a single entity—an Aggregation—for the purpose of participating in the NYISO-administered Energy, Ancillary Services, and Installed

⁸ *Participation of Distributed Energy Res. Aggregations in Mkts. Operated by Reg'l Transmission Orgs., & Indep. Sys. Operators*, Order No. 2222, 172 FERC ¶ 61,247 (2020), 85 Fed. Reg. 70,143 (Nov. 4, 2020) (“Order No. 2222”), *order on reh'g*, Order No. 2222-A, 174 FERC ¶ 61,197, *order on reh'g*, Order No. 2222-B, 175 FERC ¶ 61,227 (2021).

⁹ As discussed further in Part II of this Motion, other ISOs/RTOs have proposed effective dates for some, or all, of their Order No. 2222 compliance proposals beginning in 2024 and extending to 2029.

¹⁰ Capitalized terms that are not otherwise defined in this submission shall have the meaning specified in the NYISO's OATT or its Services Tariff.

Capacity markets (the “2019 DER Filing”). The 2019 DER Filing, which the Commission accepted on January 23, 2020, proposed new market rules and modified existing rules related to:

- (i) requirements for the eligibility, composition, and participation of Aggregations;
- (ii) requirements for Aggregation participation in the NYISO-administered Energy and Ancillary Services markets;
- (iii) rules for dual participation in the NYISO-administered markets and in programs or markets operated to meet the needs of distribution systems;
- (iv) metering and telemetry requirements;
- (v) settlement rules;
- (vi) requirements for participation in the Installed Capacity market;
- (vii) interconnection requirements; and
- (viii) other tariff revisions required to account for the physical and operational characteristics of Aggregations and DER.

The NYISO originally proposed an effective date for the tariff language proposed in the 2019 DER Filing of no earlier than October 1, 2020. As further discussed below, the NYISO is now on track to implement the participation model proposed in the 2019 DER Filing in the third quarter of 2023.

After the Commission accepted the 2019 DER Filing, the Commission issued Order No. 2222 which directed ISOs and RTOs to revise their tariffs to facilitate the participation of DER in the competitive wholesale markets. Order No. 2222 stated that the new market rules will allow DER, in aggregate, to meet minimum size and performance requirements, help address commercial and transactional barriers to DER Aggregations, and assist ISOs and RTOs with

their respective responses to near-term generation or transmission reliability related requirements.¹¹

On July 19, 2021, the NYISO submitted its Order No. 2222 compliance filing (“2021 DER Filing”).¹² The tariff revisions proposed in the 2021 DER Filing build upon the 2019 DER Filing and complement and enhance the NYISO’s DER and Aggregation market rules. The 2022 DER Order accepted the NYISO’s compliance filing, directed a further compliance filing, and instructed the NYISO to propose an effective date for the 2021 DER Filing’s tariff modifications in the fourth quarter of 2022.¹³ This Motion responds to that effective date directive.

II. Motion for Extension of Time

The NYISO respectfully requests that the Commission extend the effective date of the compliance tariff revisions until a to-be-determined date *no later than* December 31, 2026. As described below, good cause exists to extend the effective date. The requested effective date is necessary for the NYISO to complete development and testing of a robust suite of software necessary for full compliance with Order No. 2222 and the efficient integration of DER and Aggregations.

The comprehensive DER and Aggregation market design proposed in the 2019 DER Filing and supplemented in the 2021 DER Filing is a significant and complex modification to the NYISO-administered Energy, Ancillary Service, and Installed Capacity (“ICAP”) markets. The

¹¹ Order No. 2222 at P 4-5.

¹² *New York Indep. Sys. Operator, Inc.*, Compliance Filing and Request for Flexible Effective Date, Docket No. ER21-2460-000 (Jul. 19, 2021).

¹³ 2022 DER Order at P 17. The Commission directed the NYISO to submit its further compliance filing within 60 days of the issuance of its Order (*i.e.*, by August 16, 2022). *Id.* On July 18, 2022, the NYISO requested an extension of time until November 14, 2022, to submit its further compliance filing. *New York Indep. Sys. Operator, Inc.*, Motion for Extension of Time to Submit Compliance Filing, Docket No. ER21-2460-000, *et al.* (Jul. 18, 2022). The Commission granted the requested extension of time on July 27, 2022. *New York Indep. Sys. Operator, Inc.*, Notice of Extension of Time, Docket No. ER21-2460-000, -001 (Jul. 27, 2022).

NYISO's ability to register Aggregators as NYISO Customers, enroll DER and Aggregations in the markets, incorporate DER and Aggregation capabilities in its planning processes, maintain situational awareness of Aggregation operations, and issue accurate financial settlements, is dependent on new software capabilities that the NYISO must develop specifically for DER and Aggregations. Therefore, the NYISO engaged in an ambitious effort to design and build a highly automated suite of software products that, when completed, will (i) house the databases necessary to maintain and utilize accurate information for thousands of DER participating in Aggregations, (ii) facilitate NYISO staff's ability to evaluate, track, and maintain oversight of DER and Aggregations, (iii) allow for efficient review and auditing of Aggregation performance, and (iv) provide Market Participant-facing applications and user interfaces for Aggregators to enroll and manage Aggregations and participate in the NYISO-administered markets.

The NYISO initially proposed to implement its 2019 DER and Aggregation market design no earlier than the fourth quarter of 2021.¹⁴ The NYISO has subsequently developed a better understanding of the full complexity and difficulty of the work required. Changing circumstances since 2019 have also necessitated that the implementation of that participation model be delayed until next year, *i.e.*, until the third quarter of 2023. Over the last three years, the NYISO has faced several challenges in developing the databases, workflows, and software automation necessary for DER implementation. The NYISO's ambitious software design proved more complex than initially expected, and when combined with local and global factors that are out of the NYISO's control and significant competing demands on the NYISO's limited staff resources, led to significant delays to the NYISO's original timeline. During this time the NYISO has also collaborated extensively with New York's distribution utilities to better

¹⁴ 2019 DER Filing at 110-111.

understand the readiness of those systems to integrate DER and Aggregations. As the NYISO learned more about the capabilities of those systems, it was forced to adjust its software functionality to accommodate distribution system constraints.

The delays to the 2019 DER project have also impacted the NYISO's ability to move forward with designing and developing the software necessary for compliance with Order No. 2222. At the time of the 2021 DER Filing, the NYISO anticipated being able to implement its 2019 DER participation model and its Order No. 2222 compliance proposal simultaneously. The NYISO therefore requested prompt Commission action in this proceeding to guide its efforts to continue the necessary software development.¹⁵ But eleven months passed from the 2021 DER Filing to the issuance of the 2022 DER Order. During that time, the NYISO continued to move forward with its efforts on the 2019 participation model only. Given the number and complexity of the compliance revisions that the 2022 DER Order directed, it will be difficult to fully engage in the software work necessary to implement the revised 2021 DER Filing until the Commission issues a final order accepting the tariff revisions submitted in this proceeding without any material conditions.

DER and Aggregations will begin participating in the NYISO-administered markets in 2023. However, rather than simultaneous implementation of the 2019 participation model and Order No. 2222 compliance provisions, the NYISO now plans to undertake a staged implementation that will bring it into full compliance with Order No. 2222 over time.

In 2023, the NYISO intends to implement the remaining DER and Aggregation tariff revisions from the 2019 DER Filing.¹⁶ The implementation will be supported by software that is

¹⁵ 2021 DER Filing at 48.

¹⁶ Certain of the tariff revisions proposed in the 2019 DER Filing (*e.g.*, rules permitting dual participation, rules related to Resources with Energy Duration Limitations, and rules related to Meter Services Entities) have already become effective as proposed by the NYISO and accepted by the Commission. Additionally, the NYISO

critical to integrating DER and Aggregations but will not include the full suite of features envisioned by the NYISO as necessary for long-term implementation of DER in its markets. The initial software deployment requires changes to over twenty software systems, including the NYISO's Network Manager (which is its Energy Management System and Business Management System), Bid/Post system, OASIS, outage scheduling systems, metering systems, and settlement systems, as well as development of new software such as the forthcoming Aggregation System. Development for these systems is nearing completion and quality assurance and user acceptance testing has begun.

The NYISO is also developing a number of automation features to its software design that will be deployed in 2024. This second software deployment will automate much of the work that will at first be done manually by NYISO staff. These automation features will be essential for long-term sustainability as DER penetration increases in New York State. The 2024 deployment will also include some of the features that will be needed to support the functionality needed for full Order No. 2222 compliance.

Once this second deployment occurs, project staff, which has been working on the 2019 DER and Aggregation participation model, and will continue to work almost exclusively on projects related to DER, will continue its work to develop the software necessary to implement the incremental tariff revisions proposed in compliance with Order No. 2222.¹⁷ The NYISO

will propose an effective date in which it will sunset its Day-Ahead Demand Response Program and Demand Side Ancillary Services Program that is after implementation of the DER and Aggregation participation model becomes effective. Sunsetting these two demand response programs after the DER and Aggregation participation model is implemented will allow time for existing Demand Side Resources to transition to the DER model while retaining market and reliability benefits for the grid, and payments to the suppliers.

¹⁷ The software development plan for the NYISO includes developing software to comply with the Commission's instructions with respect to the provision of Ancillary Services by heterogeneous DER Aggregations. See 2021 DER Order at P 93, as clarified by New York Indep. Sys. Operator, Inc., *Order Addressing Arguments Raised on Rehearing*, 181 FERC ¶ 61,054 (Oct. 24, 2022). The NYISO expects to be able to implement the

estimates that it will be able to complete development and testing of the Order No. 2222 compliant software and implement it in 2026.

The NYISO recognizes that Order No. 2222 compliance is an important priority for the Commission and many stakeholders—as it is for the NYISO itself. The NYISO is working diligently to fully comply with Order No. 2222 as soon as practicable. The delayed effective date proposed herein has been brought on by a number of factors including unforeseen complexities that arose during the NYISO’s software development process which were only identified after the NYISO had made material progress toward implementation of DER.

Beginning in 2023, DER and Aggregations will have the opportunity to participate in New York’s wholesale Energy, Ancillary Services, and Installed Capacity Markets. Aggregators will be able to develop portfolios of facilities seeking to act in concert to maintain market efficiency and grid reliability. The NYISO will be able to register, monitor, utilize, and financially settle Aggregations to supplement its existing generation fleet. The planned 2023 effective date for the remaining 2019 DER Filing tariff language, and associated software, will achieve many of Order No. 2222’s goals.

While the NYISO recognizes the significance of a nearly four-year delay in implementing the remaining Order No. 2222 provisions, the delay is necessary so that the NYISO can further develop the robust suite of tools needed to facilitate widespread DER and Aggregation participation in the NYISO-administered markets. The fact that the implementation of fully Order No 2222-compliant provisions must be delayed is not a reason to postpone, or abandon, the nearer-term implementation of the 2019 DER Filing. The 2019 DER Filing was

Ancillary Services directive on the same schedule as the remaining Order No. 2222 compliance directives as described in this Motion.

accepted as just, reasonable, and not unduly discriminatory on its merits under section 205 of the Federal Power Act. It was never intended to serve as an Order No. 2222 compliance proposal, as it pre-dated Order No. 2222. At the same time, the implementation of the 2019 DER Filing will realize many of the benefits that Order No. 2222 was intended to bring more quickly than is now possible for the 2021 DER Filing. Section 205 filings that address the same subject as a rulemaking may go into effect before compliance with a rulemaking can be finalized.¹⁸

Order No. 2222 expressly allowed ISOs/RTOs to propose “a reasonable implementation date, together with adequate support explaining how the proposal is appropriately tailored for its region and implements this final rule in a timely manner.”¹⁹ Other ISOs/RTOs have encountered the same issues as the NYISO regarding the complexity of implementing Order No. 2222’s requirements, the long lead times required to develop and test necessary software systems, and interactions between Order No. 2222-related software changes and other major software initiatives at each ISO/RTO. These other ISOs/RTOs have proposed effective dates for their Order No. 2222 compliance revisions, that are comparable to the revised effective date that the NYISO is proposing here.

For example, in August, the California ISO requested an extension of the effective date for its Order No 2222 revisions until November 2024.²⁰ Like the NYISO, the California ISO explained that its software development capabilities are “finite,” and that prudent management of

¹⁸ See, e.g., *Improvements to Generator Interconnection Procedures and Agreements*, Notice of Proposed Rulemaking, 179 FERC ¶ 61,194 (2022) at P 6 (“We recognize that transmission providers have undertaken efforts to address interconnection queue management issues. This NOPR is not intended to divert or slow the potential progress represented by those efforts. We will review any filings that result from those efforts based on the record before us in those proceedings and not based on whether they comply with the proposed reforms in this NOPR.”).

¹⁹ Order No. 2222 at P 361.

²⁰ See *California Independent System Operator Corp.*, Motion to Amend Effective Date, Docket No. ER21-2455-001, at 11-13 (Aug. 15, 2022).

its software development resources mandated that the California ISO wait until it had final approval of its compliance proposal before commencing the lengthy process of developing, testing, and implementing the necessary software to implement most aspects of that proposal.²¹ Like the NYISO, the California ISO does not have sufficient time to complete that process before the California ISO's originally requested November 1, 2022 effective date.²²

Other ISOs and RTOs have asked for similar extensions of time, for all or significant portions of their compliance proposals. The PJM Interconnection, LLC has proposed a February 2, 2026 effective date for most of its Order No. 2222 compliance revisions,²³ and ISO New England Inc. has requested an effective date of November 1, 2026 for a portion of its proposal.²⁴ Southwest Power Pool, Inc. has asked for an effective date in the third quarter of 2025 as long as the Commission issues a final order by the end of 2022,²⁵ while the Midcontinent Independent System Operator, Inc. ("MISO") has asked for an effective date of October 1, 2029, which would allow for the commencement of DER participation in the MISO markets in 2030.²⁶

The NYISO, therefore, respectfully requests that the Commission extend the effective date of the compliance revisions until a to-be-determined date no later than December 31, 2026. The December 31, 2026, date constitutes a backstop date by which the NYISO's Order No. 2222 compliance tariff revisions will be implemented and provides certainty to Market Participants

²¹ *Id.*

²² *Id.*

²³ See *PJM Interconnection, L.L.C.*, Order No. 2222 Compliance Filing of PJM Interconnection, L.L.C., Docket No. ER22-962-000, at 89-91 (Feb. 1, 2022).

²⁴ See *ISO New England Inc.*, Revisions to ISO New England Inc. Transmission, Markets and Services Tariff to Allow for the Participation of Distributed Energy Resource Aggregations in New England, Docket No. ER22-983-000, at 43 (Feb. 2, 2022).

²⁵ See *Southwest Power Pool, Inc.*, Compliance Filing of Southwest Power Pool, Inc., Docket No. ER22-1697-000, at 2 (April 28, 2022).

²⁶ See *Midcontinent Independent System Operator, Inc.*, Order No. 2222 Compliance Filing, Docket No. ER22-1640-000 at 32 (April 14, 2022).

that the new requirements will be in place no later than that date. The proposed extension is consistent with Order No. 2222 because it is reasonable, appropriately tailored for the NYISO region, and as timely as practicable given current circumstances. It is supported by the explanation offered in this Motion and the affidavit by Michael A. DeSocio, the NYISO's Director of Market Design, in Attachment A to this Motion.²⁷ The reasonableness of the NYISO's request is further reinforced by the fact that the other Commission-jurisdictional ISOs/RTOs have all proposed similar timeframes for coming into full compliance with Order No. 2222 due to similar concerns regarding software development and other issues. There is "good cause" for granting the extension under Rule 2008 for the same reasons.

The NYISO will work diligently to implement the full Order No. 2222 requirements prior to the December 31, 2026 date, and expects to implement the 2019 DER and Aggregation market design proposed and accepted in Docket No. ER19-2276-000, *et al.* in the third quarter of 2023. If the NYISO is able to implement its compliance proposal prior to this date, then the NYISO will request that the Commission make the relevant tariff provisions effective on that earlier date. As it has done in many previous "flexible effective date" proposals, the NYISO proposes to submit a compliance filing at least two weeks prior to its proposed effective date that will specify the effective date for the revised tariff language. Consistent with Commission precedent, such filing will provide adequate notice to the Commission and Market Participants of the implementation of its Order No. 2222-compliance tariff revisions.²⁸

²⁷ The NYISO was unable to include the notarized signature of Michael A. DeSocio on the attached Affidavit at the time this Motion was submitted. The NYISO will submit the notarized signature on November 15, 2022. To the extent deemed necessary by the Commission, the NYISO requests a one-day waiver of any requirement of Rule 2005 of the Commission's Rules of Practice and Procedure that the notarized signature accompany the Affidavit. 18 C.F.R. § 385.2005 (2022).

²⁸ See, e.g., *New York Indep. Sys. Operator, Inc.*, 106 FERC ¶ 61,111 at P 10 (2004); Docket No. ER 11-2544-000, *New York Indep. Sys. Operator, Inc.*, Letter Order at 1 (February 10, 2011); Docket No. ER15-485-000,

III. Conclusion

Wherefore, for the foregoing reasons, the New York Independent System Operator, Inc. respectfully requests that the Commission accept this Motion and extend the effective date for the tariff revisions proposed in this proceeding to a to-be-determined date no later than December 31, 2026.

Respectfully submitted,

/s/ Gregory J. Campbell

Gregory J. Campbell

Counsel for

New York Independent System Operator, Inc.

November 14, 2022

cc: Janel Burdick
Matthew Christiansen
Robert Fares
Jignasa Gadani
Jette Gebhart
Leanne Khammal
Jaime Knepper
Kurt Longo
David Morenoff
Douglas Roe
Eric Vandenberg
Gary Will
Adria Woods

New York Indep. Sys. Operator, Inc., Letter Order at 2 (January 15, 2015); *New York Indep. Sys. Operator, Inc.*, 151 FERC ¶ 61,057 at P 20 (2015).

Attachment A

Affidavit of Michael A. DeSocio

**UNITED STATES OF AMERICA
BEFORE THE
FEDERAL ENERGY REGULATORY COMMISSION**

New York Independent System Operator, Inc.)))	Docket No. ER21-2460-00_
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AFFIDAVIT OF MICHAEL A. DESOCIO

1. My name is Michael A. DeSocio. I am currently the Director, Market Design for the New York Independent System Operator, Inc. (“NYISO”). My business address is 10 Krey Boulevard, Rensselaer, NY 12144. I received a Bachelor’s of Science in Electrical Engineering degree from Clarkson University, and a Master’s of Engineering in Electrical Power Engineering degree from Rensselaer Polytechnic Institute.
2. I have been involved in the design and operation of wholesale electricity markets at the NYISO for over 22 years. I originally joined the NYISO as a Security Constrained Unit Commitment Engineer in 2000 responsible for Day-Ahead Market design and administration. I transitioned to the NYISO’s Market Structures Department in 2009 as a Senior Market Product Specialist. I was promoted to Manager of Energy Market Design in 2013. I was promoted to Senior Manager of Market Design in 2015 and, in 2019, I was promoted to my current role as the NYISO’s Director of Market Design.
3. As the NYISO’s Director of Market Design, I have responsibility for designing and improving the NYISO’s Energy, Capacity and Ancillary Services products. My responsibilities include integrating new resource technologies into the NYISO’s wholesale market structures; research and development of mathematical models for use in developing and implementing market designs; and achieving compliance with applicable reliability rules, the ISO Tariffs, Federal Energy Regulatory Commission (“Commission”) orders, and any applicable New York Public Service Commission orders or requirements.

4. The purpose of this Affidavit is to confirm, to the extent necessary, the facts set forth in the NYISO's November 14, 2022 Motion of New York Independent System Operator, Inc. to Extend Effective Date of Compliance Tariff Revisions ("NYISO Motion").
5. In my capacity as Senior Manager of Market Design and later Director of Market Design, I oversaw the NYISO's development of its Distributed Energy Resource ("DER") rules that were filed on June 27, 2019 and accepted by the Commission on January 23, 2020 in Docket No. ER19-2276-000, *et al. New York Indep. Sys. Operator, Inc.*, Order Accepting Tariff Revisions and Directing Compliance Filing and Informational Report, 170 FERC ¶ 61,0333 (2020). I also oversaw the NYISO's development of its Order No. 2222¹ compliance filing that was submitted on July 19, 2021.
6. Members of my staff who focus on developing participation models for new resource integration and I worked with the NYISO's Operations and Product and Project Management Departments, and an external software vendor, to determine how the NYISO could achieve compliance with Order No. 2222's requirements. As part of that effort, the NYISO identified computational and software modifications that were necessary to permit Distributed Energy Resource and Aggregation participation in the NYISO-administered Energy, Ancillary Services and Installed Capacity markets.²
7. I participated in developing the NYISO's answer to protests that was submitted in Docket No. ER21-2460-000 on September 14, 2021. I participated in developing the NYISO's response to the Commission's deficiency letter that was submitted in Docket Nos. ER21-

¹ *Participation of Distributed Energy Resource Aggregations in Markets Operated by Regional Transmission Organizations and Independent System Operators*, Order No. 2222, 172 FERC 61,247 (Sep. 17, 2020), 85 Fed. Reg. 70,143 (Nov. 4, 2020) ("Order No. 2222"); Order No. 2222-A, 174 FERC ¶ 61,197 (Mar. 18, 2021); Order No. 2222-B, 175 FERC ¶ 61,227 (Jun. 17, 2021).

² Capitalized terms that are not defined in this Affidavit have the meaning ascribed to them in the NYISO's Market Administration and Control Area Services Tariff.

2460-000 and -001 on November 19, 2021. Finally, I participated in developing the NYISO Motion.

8. With regard to the NYISO Motion, I provided guidance on (a) the NYISO's software development efforts and timeline; (b) the challenges encountered by NYISO staff in developing and implementing DER and Aggregations in the NYISO-administered markets; and (c) the NYISO's collaboration with New York's distribution utilities.
9. I helped develop the explanation of the past and current challenges the NYISO has faced in the development of its DER and Aggregation implementation efforts. The concerns the NYISO explained in the NYISO Motion were previously raised in other pleadings in Docket Nos. ER19-2276 and ER21-2460 that I participated in developing.
10. I have reviewed the facts stated in the NYISO Motion, and I have personal knowledge of and helped develop the factual statements contained in the NYISO Motion. The factual statements set forth in the NYISO Motion are true and correct to the best of my information, knowledge, and belief.
11. This concludes my affidavit.

CERTIFICATE OF SERVICE

I hereby certify that I have this day served the foregoing document upon each person designated on the official service list compiled by the Secretary in this proceeding in accordance with the requirements of Rule 2010 of the Rules of Practice and Procedure, 18 C.F.R. §385.2010.

Dated at Rensselaer, NY this 14th day of November 2022.

/s/ Elizabeth Rilling

Elizabeth Rilling
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