

offering the operational flexibility they are technically capable of providing?

2. To what extent do existing RTO/ISO energy and ancillary services market rules require standalone variable energy resources to respond to dispatch instructions (e.g., curtailment)?

a. To what extent are standalone variable energy resources technically capable of being “dispatchable?” Is there a distinction between being dispatched down and being curtailed?

b. Under what circumstances can a standalone variable energy resource be dispatched up versus down?

3. To what extent do resource capabilities vary amongst different classes and vintages of variable energy resources (e.g., newer vs. older wind turbine models, onshore vs. offshore wind, fixed-tilt vs. tracking solar, etc.) and do offer rules currently reflect such differences, if any?

4. To what extent are emerging resource types, such as hybrids, storage resources, and distributed energy resource aggregations technically capable of providing existing ancillary service products or other reliability services? Acknowledging that some market rules are evolving due to Order Nos. 841⁸ and 2222,⁹ do current RTO/ISO market rules for ancillary services and other reliability services, such as eligibility requirements, align with these emerging resource types’ capabilities?

5. What RTO/ISO energy and ancillary services market reforms could be adopted, if any, to ensure that new and emerging resource types are able to offer their full operational capabilities into RTO/ISO energy and ancillary services markets to help operators manage changing system needs?

a. Would shortening the day-ahead market interval length increase the operational flexibility available from resources? What considerations (e.g., computing time) are important to consider when establishing the length of energy and ancillary services market intervals?

b. RTOs/ISOs often require resources that provide ancillary services to be capable of doing so for a duration of 60 minutes. Does this eligibility requirement limit the pool of resources available to offer ancillary services into RTO/ISO markets? Would reexamining the need for this particular eligibility

requirement present reliability concerns or raise other issues for operators? If so, please explain.

Panel 3: Revising RTO/ISO Market Models, Optimization, and Other Software Elements To Address Operational Flexibility Needs

1. What are the challenges to incorporating uncertainty within the current RTO/ISO market software? For example, how can improvements in forecasting, the use of intra-day commitment processes that include a range of forecasts, or longer look-ahead commitment and dispatch horizons result in more efficient unit commitment and dispatch in real time?

2. Can changes to RTO/ISO unit commitment and dispatch software address the need to posture system resources optimally to meet expected and unexpected ramp and operational flexibility needs?

a. How are these enhancements tailored to the expected magnitude of forecast errors in different time periods?

b. How would multi-period dispatch modeling in the real-time market help address operational flexibility needs? What are the advantages and disadvantages of a binding as opposed to an advisory multi-period dispatch model?

c. What are the computational burdens associated with such modeling enhancements?

3. To what extent can software enhancements for modeling specific technology types (e.g., multi-configuration modeling of combined cycle units, storage, etc.) help address the system’s changing operational needs?

4. Can multi-day-ahead markets or hour-ahead markets help address operational flexibility needs in RTOs/ISOs? What is the objective of such approaches, and are there potential drawbacks?

Panel 4: Out-of-Market Operator Actions Used To Manage Net Load Variability and Uncertainty

1. RTO/ISO reports and filings to the Commission indicate that at times operators take out-of-market actions to address net load uncertainty. What impacts do such actions have on price formation in RTO/ISO energy and ancillary services markets? How strong are those impacts, both in terms of individual instances of operator actions and in terms of more general effects on the efficiency of the markets?

2. Do RTOs/ISOs anticipate that, without RTO/ISO market reforms, out-of-market operator actions will increase

over time in response to changing system needs?

3. To what degree, if any, do out-of-market actions by operators undermine RTO/ISO energy and ancillary services market reforms, such as operating reserve demand curve reforms or ramp products, designed to incent resources to provide RTO/ISO operators with the operational flexibility needed to manage the system?

4. How can RTOs/ISOs best mitigate the risks of out-of-market operator actions undermining incentives for resource operational flexibility, to the extent such risks exist?

Technical Information: Alex Smith, Office of Energy Policy and Innovation, Federal Energy Regulatory Commission, 888 First Street NE, Washington, DC 20426, (202) 502-6601, alexander.smith@ferc.gov.

Legal Information: Adam Eldean, Office of the General Counsel, Federal Energy Regulatory Commission, 888 First Street NE, Washington, DC 20426, (202) 502-8047, adam.eldean@ferc.gov.

Dated: December 6, 2021.

Kimberly D. Bose,
Secretary.

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DEPARTMENT OF ENERGY

Federal Energy Regulatory Commission

[Docket No. ER22-541-000]

**NSF Chaumont Site 1 LLC;
Supplemental Notice That Initial
Market-Based Rate Filing Includes
Request for Blanket Section 204
Authorization**

This is a supplemental notice in the above-referenced proceeding of NSF Chaumont Site 1 LLC’s application for market-based rate authority, with an accompanying rate tariff, noting that such application includes a request for blanket authorization, under 18 CFR part 34, of future issuances of securities and assumptions of liability.

Any person desiring to intervene or to protest should file with the Federal Energy Regulatory Commission, 888 First Street NE, Washington, DC 20426, in accordance with Rules 211 and 214 of the Commission’s Rules of Practice and Procedure (18 CFR 385.211 and 385.214). Anyone filing a motion to intervene or protest must serve a copy of that document on the Applicant.

Notice is hereby given that the deadline for filing protests with regard to the applicant’s request for blanket

⁸ *Electric Storage Participation in Markets Operated by Regional Transmission Organizations and Independent System Operators*, Order No. 841, 83 FR 9580, 162 FERC ¶ 61,127.

⁹ *Participation of Distributed Energy Resource Aggregations in Markets Operated by Regional Transmission Organizations and Independent System Operators*, Order No. 2222, 85 FR 67094, 172 FERC ¶ 61,247.

authorization, under 18 CFR part 34, of future issuances of securities and assumptions of liability, is December 27, 2021.

The Commission encourages electronic submission of protests and interventions in lieu of paper, using the FERC Online links at <http://www.ferc.gov>. To facilitate electronic service, persons with internet access who will eFile a document and/or be listed as a contact for an intervenor must create and validate an eRegistration account using the eRegistration link. Select the eFiling link to log on and submit the intervention or protests.

Persons unable to file electronically may mail similar pleadings to the Federal Energy Regulatory Commission, 888 First Street NE, Washington, DC 20426. Hand delivered submissions in docketed proceedings should be delivered to Health and Human Services, 12225 Wilkins Avenue, Rockville, Maryland 20852.

In addition to publishing the full text of this document in the **Federal Register**, the Commission provides all interested persons an opportunity to view and/or print the contents of this document via the internet through the Commission's Home Page (<http://www.ferc.gov>) using the "eLibrary" link. Enter the docket number excluding the last three digits in the docket number field to access the document. At this time, the Commission has suspended access to the Commission's Public Reference Room, due to the proclamation declaring a National Emergency concerning the Novel Coronavirus Disease (COVID-19), issued by the President on March 13, 2020. For assistance, contact the Federal Energy Regulatory Commission at FERCOnlineSupport@ferc.gov or call toll-free, (886) 208-3676 or TTY, (202) 502-8659.

Dated: December 6, 2021.

Kimberly D. Bose,

Secretary.

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DEPARTMENT OF ENERGY

Federal Energy Regulatory Commission

Combined Notice of Filings #1

Take notice that the Commission received the following electric corporate filings:

Docket Numbers: EC22-16-000.

Applicants: Energy Center Paxton LLC, KKR Thor Bidco, LLC.

Description: Supplement to November 15, 2021 Application for Authorization Under Section 203 of the Federal Power Act of Energy Center Paxton LLC.

Filed Date: 12/3/21.

Accession Number: 20211203-5256.

Comment Date: 5 p.m. ET 12/17/21.

Take notice that the Commission received the following electric rate filings:

Docket Numbers: ER22-46-002.

Applicants: Parkway Generation Essex, LLC.

Description: Tariff Amendment: Response to Deficiency Letter to be effective 12/1/2021.

Filed Date: 12/6/21.

Accession Number: 20211206-5176.

Comment Date: 5 p.m. ET 12/27/21.

Docket Numbers: ER22-87-001.

Applicants: Southwest Power Pool, Inc., Basin Electric Power Cooperative.

Description: Tariff Amendment: Southwest Power Pool, Inc. submits tariff filing per 35.17(b): 3843 Basin/Saskatchewan Power Corp Inter Agr-Amended Filing to be effective 12/15/2021.

Filed Date: 12/3/21.

Accession Number: 20211203-5239.

Comment Date: 5 p.m. ET 12/27/21.

Docket Numbers: ER22-94-001.

Applicants: Basin Electric Power Cooperative.

Description: Tariff Amendment: Basin Electric Submission of Amendment to Interconnection Agreement in ER22-94 to be effective 7/10/2020.

Filed Date: 12/6/21.

Accession Number: 20211206-5150.

Comment Date: 5 p.m. ET 12/27/21.

Docket Numbers: ER22-541-000.

Applicants: NSF Chaumont Site 1 LLC, Bracewell LLP.

Description: Baseline eTariff Filing: NSF Chaumont Site 1 LLC submits tariff filing per 35.12: Application for Market-Based Rate Authorization, Request for Related Waivers to be effective 12/17/2021.

Filed Date: 12/3/21.

Accession Number: 20211203-5206.

Comment Date: 5 p.m. ET 12/27/21.

Docket Numbers: ER22-542-000.

Applicants: NSF Chaumont Site 2 LLC, Bracewell LLP.

Description: Baseline eTariff Filing: NSF Chaumont Site 2 LLC submits tariff filing per 35.12: Application for Market-Based Rate Authorization, Request for Related Waivers to be effective 12/17/2021.

Filed Date: 12/3/21.

Accession Number: 20211203-5215.

Comment Date: 5 p.m. ET 12/27/21.

Docket Numbers: ER22-543-000.

Applicants: NSF Chaumont Site 3 LLC, Bracewell LLP.

Description: Baseline eTariff Filing: NSF Chaumont Site 3 LLC submits tariff filing per 35.12: Application for Market-Based Rate Authorization, Request for Related Waivers to be effective 12/17/2021.

Filed Date: 12/3/21.

Accession Number: 20211203-5220.

Comment Date: 5 p.m. ET 12/27/21.

Docket Numbers: ER22-544-000.

Applicants: NSF Chaumont Site 4 LLC, Bracewell LLP.

Description: Baseline eTariff Filing: NSF Chaumont Site 4 LLC submits tariff filing per 35.12: Application for Market-Based Rate Authorization, Request for Related Waivers to be effective 12/17/2021.

Filed Date: 12/3/21.

Accession Number: 20211203-5225.

Comment Date: 5 p.m. ET 12/27/21.

Docket Numbers: ER22-545-000.

Applicants: NSF Chaumont Site 5 LLC, Bracewell LLP.

Description: Baseline eTariff Filing: NSF Chaumont Site 5 LLC submits tariff filing per 35.12: Application for Market-Based Rate Authorization, Request for Related Waivers to be effective 12/17/2021.

Filed Date: 12/3/21.

Accession Number: 20211203-5229.

Comment Date: 5 p.m. ET 12/27/21.

Docket Numbers: ER22-546-000.

Applicants: PacifiCorp.
Description: § 205(d) Rate Filing: Rock Creek Provisional Large Gen Interconnection Agrmt to be effective 12/2/2021.

Filed Date: 12/3/21.

Accession Number: 20211203-5231.

Comment Date: 5 p.m. ET 12/27/21.

Docket Numbers: ER22-547-000.

Applicants: Tri-State Generation and Transmission Association, Inc.

Description: § 205(d) Rate Filing: Service Agreement No. 901 to be effective 11/19/2020.

Filed Date: 12/3/21.

Accession Number: 20211203-5235.

Comment Date: 5 p.m. ET 12/27/21.

Docket Numbers: ER22-548-000.

Applicants: PJM Interconnection, L.L.C.

Description: § 205(d) Rate Filing: Revisions to OATT, Behind the Meter Generation Business Rules on Status Changes to be effective 2/2/2022.

Filed Date: 12/3/21.

Accession Number: 20211203-5244.

Comment Date: 5 p.m. ET 12/27/21.

Docket Numbers: ER22-549-000.

Applicants: The Valence Group, LLC.

Description: Baseline eTariff Filing: Application For Market Based Rate Authority to be effective 12/15/2021.

Filed Date: 12/6/21.