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October 3, 2016

Via e-Tariff

Kimberly D. Bose, Secretary
Federal Energy Regulatory Commission
888 First Street, N.E.
Washington, DC 20426

**Re: Frontier Windpower, LLC
Docket No. ER17-___-000**

Dear Secretary Bose:

Pursuant to Section 205 of the Federal Power Act and 18 C.F.R. Pt. 35, Frontier Windpower, LLC ("Frontier") is filing an application for market-based rate authority and a market-based rate tariff ("MBR Tariff"). Included in this filing is the Application, which includes relevant Attachments, and an MBR Tariff for Frontier, which Frontier is filing in its eTariff database. If you have any questions or concerns about the enclosed filing, please contact me at the number listed above.

Respectfully submitted,

/Steven J. Ross/
Counsel for Frontier Windpower, LLC

Attachments

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

Frontier Windpower, LLC) Docket No. ER17-____-000

APPLICATION FOR MARKET-BASED RATE AUTHORITY

Pursuant to Section 205 of the Federal Power Act (“FPA”)¹ and Subpart H of Part 35 of the Commission’s Regulations,² as amended by Order Nos. 697 and 816,³ Frontier Windpower, LLC (“Frontier” or “Applicant”) requests that the Federal Energy Regulatory Commission (the “Commission” or “FERC”) accept for filing its market-based rate (“MBR”) tariff (designated “Tariff Volume No. 1” and attached, hereinafter “Tariff”) to be effective on October 21, 2016. The Tariff will authorize Frontier to sell energy, capacity, and ancillary services at market-based rates, as described more fully herein. Applicant further requests that the Commission grant such waivers and blanket authorizations as the Commission has granted to other similarly-situated entities seeking MBR authorization, as described more fully herein.

¹ 16 U.S.C. § 824d (2012).

² 18 C.F.R. Part 35, Subpart H (2016).

³ *Market-Based Rates for Wholesale Sales of Electric Energy, Capacity and Ancillary Services by Public Utilities*, Order No. 697, FERC Stats. & Regs. ¶ 31,252 (2007) (“Order No. 697”) (subsequent history omitted) ; *Refinements to Policies and Procedures for Market-Based Rates for Wholesale Sales of Electric Energy, Capacity and Ancillary Services by Public Utilities*, Order No. 816, FERC Stats. & Regs. ¶ 31,374 (2015) (“Order No.816”), *Order on Rehearing and Clarification*, 155 FERC ¶ 61,188 (2016) (“Order No. 816-A”).

I. COMMUNICATIONS

Correspondence and communications regarding this application should be addressed to the persons below, who are also designated for service in this proceeding:

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II. DESCRIPTION OF APPLICANT AND THE FACILITY

A. Frontier Windpower, LLC

Frontier is an indirect subsidiary of Duke Energy Corporation (“Duke Energy”) and has a principal place of business at 550 South Tryon Street, Charlotte, NC 28202. Frontier submitted a notice of self-certification as an Exempt Wholesale Generator (“EWG”) in Docket No. EG16-33, and Frontier’s status as an EWG became effective by operation of 18 C.F.R. § 366.7(a) on April 4, 2016. *See* “Notice of Effectiveness of Exempt Wholesale Generator Status,” Docket No. EG16-33-000 (April 4, 2016).

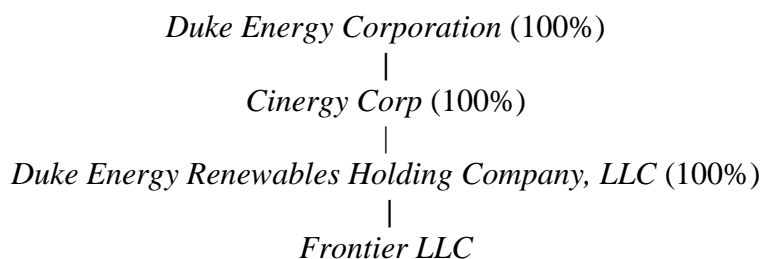
1. The Facility

Frontier’s facility is a 200 MW (nominal) wind-powered electric generation facility located in Kay County, Oklahoma (the “Frontier Facility” or “Facility”) that will be interconnected to the transmission system of Oklahoma Gas & Electric Company in the Southwest Power Pool, Inc. (“SPP”) region. The Facility will consist of an array of fifty-six Vestas V126 3.3MW wind turbine generators and five Vestas V126 3.0MW wind turbines.

Frontier has entered into a long-term power purchase agreement (“PPA”) with the City Utilities of Springfield, Missouri (“Springfield”) that provides for Springfield to purchase the full output of the Facility for a term of 22 years beginning with commercial operations. Prior to the commercial operations date under the PPA, which is projected to be in late December of this year, Frontier will sell test energy to Springfield.

2. Ownership of Applicant

Frontier is a direct, wholly-owned subsidiary of Duke Energy Renewables Holding Company, LLC, which in turn is a direct, wholly-owned subsidiary of Cinergy Corp., which in turn is a direct, wholly-owned subsidiary of Duke Energy. Duke Energy Renewables Holding Company, LLC and Cinergy Corp. are intermediate holding companies that do not own any generating or transmission facilities or provide any wholesale services. The organizational chart is as follows:



B. Other Affiliated Entities

Duke Energy, a Delaware corporation, is a public utility holding company headquartered in Charlotte, North Carolina. Together with its subsidiaries, Duke Energy is a diversified energy company with both regulated and unregulated utility operations. Duke Energy supplies, delivers, and processes energy for customers in the U.S. and

selected international markets. Duke Energy has six subsidiaries that are regulated electric utility operating companies: Duke Energy Carolinas, LLC (“DEC”), Duke Energy Indiana, LLC (“DEI”), Duke Energy Ohio, Inc. (“DEO”), Duke Energy Kentucky, Inc. (“DEK”), Duke Energy Progress, LLC (“DEP”) and Duke Energy Florida, LLC (“DEF”) (collectively, the “Duke Energy Operating Companies”). These Duke Energy Operating Companies, as well as certain other FERC-jurisdictional affiliates, are authorized to sell power at market-based rates, with the exception of sales within the DEC BAA, the DEP BAAs, or in Peninsular Florida.⁴ Two wind-generating affiliates are located in the SPP region,⁵ and an affiliate (Caprock Solar 1 LLC) is developing a 25 MW solar facility in the SPP region that is expected to begin commercial operations in early November 2016.⁶

⁴ See *Duke Power, a Div. of Duke Energy Corp.*, 111 FERC ¶ 61,506 at P 61 (2005) (limitation on market-based rate sales within the DEC BAA); *Florida Power Corp.*, 113 FERC ¶ 61,131 at P 17 (2005) (limitations on market-based rate sales within the DEP BAAs and Peninsular Florida); see also *Duke Energy Corp.*, 136 FERC ¶ 61,245 (2011); *Duke Energy Corp.*, 139 FERC ¶ 61,194 (2012).

⁵ Cimarron Windpower II, LLC obtained MBR authority in Docket No. ER12-1504, and is subject to a 2011 full-output PPA with a 20-year term. Ironwood Windpower, LLC obtained MBR authority in Docket No. ER12-1502, and is subject to a 2010 full-output PPA with a 20-year term.

⁶ Caprock Solar 1 LLC’s application for market-based rate authority is pending in Docket No. ER16-2527.

A list of the Duke Energy affiliates with market-based rate authority, as well as the United States generation assets of the Duke Energy affiliates that own generation, is attached as Appendix B to this filing.⁷

III. REQUEST FOR MARKET-BASED RATE AUTHORIZATION

Frontier requests authorization to sell electric power at market-based rates, as set forth in its Tariff being filed today with this application. In Order No. 697, the Commission consolidated its approach to reviewing requests for such authorization into a two-prong analysis that examines horizontal market power (generation) and vertical market power (transmission access and barriers to entry).⁸ The analysis incorporates restrictions on affiliate transactions that must be satisfied on an ongoing basis as a condition of obtaining and retaining market-based rate authority; affiliate abuse and reciprocal dealing are no longer a separate prong of the analysis.⁹ The two-prong analysis and affiliate restrictions have been codified in the Commission's Regulations.¹⁰ Accordingly, an applicant requesting MBR authority must show that it does not possess, or have the ability to exercise, horizontal or vertical market power and must pledge to comply with the affiliate restrictions.¹¹

⁷ Duke Energy QFs exempt from the requirements of Section 205 or generation in ERCOT are not included in Appendix B.

⁸ Order No. 697 at PP 397-99.

⁹ *Id.* at P 467.

¹⁰ 18 C.F.R. §§ 35.37, 35.39.

¹¹ Order No. 697 at PP 22-24.

A. Frontier Cannot Exercise Horizontal Market Power

Order No. 697 uses two indicative market power screens – the wholesale market power screen and the pivotal supplier screen – to determine whether a seller may have market power and should be further examined.¹² The pivotal supplier screen evaluates the potential of a seller to exercise market power based on its uncommitted capacity at the time of the relevant balancing authority area’s peak demand.¹³ In Order No. 816, however, the Commission clarified that “when all of a seller’s generation capacity is sold on a long-term firm basis to one or more buyers, the seller has no uncommitted capacity and in such cases will not be required to file the indicative screens.”¹⁴

As provided for in Order No. 816, Frontier states that the entire output of the Facility (nominal 200 MW) is fully committed to Springfield under a contract that was executed on November 20, 2015, and a term that runs 22 years from the date of commercial operation. The PPA is for a term of one year or longer and there are no limiting features other than the standard commercial provisions for interruptions for *force majeure* events and uncured defaults. Based on this information, the Commission should find that Frontier cannot exercise horizontal market power and that no indicative screen analyses are required to make that finding.

¹² *Id.* at PP 33-35.

¹³ *Id.* at P 35.

¹⁴ Order No. 816 at P 39.

B. Frontier Cannot Exercise Vertical Market Power

In Order No. 697, the Commission determined that vertical market power analysis should focus on whether a seller and its affiliates have transmission market power and whether they can erect other barriers to entry in the relevant market.¹⁵

1. Frontier and its Affiliates Cannot Exercise Transmission Market Power

Neither Frontier nor any entities affiliated with Duke Energy will own or operate or currently owns or operates any transmission facilities (other than discrete generation interconnection facilities) within SPP.¹⁶ Therefore, neither Frontier nor any of its affiliates can exercise transmission market power in the relevant market. Those Duke Energy affiliates that own integrated transmission systems in other markets all are either members of ISOs or have open access tariffs on file as shown in Appendix B-2.¹⁷

¹⁵ Order No. 697 at PP 397-99.

¹⁶ To the extent it is deemed necessary in order to satisfy the requirements for a blanket waiver as described in Section 35.28(d)(2) of the Commission's Regulations, Frontier commits to comply with and be bound by the obligations and procedures applicable to electric utilities under Section 210 of the FPA, provided that the blanket waiver described is limited to the interconnection facilities that qualify for waiver under Order No. 807.

¹⁷ As to PJM Interconnection, L.L.C. ("PJM"), DEO and DEK were granted authority to move to PJM in Docket Nos. ER10-1562 and ER10-2254. *See Duke Energy Ohio, Inc.*, 133 FERC ¶ 61,058 (2010). As to the Midcontinent Independent System Operator, Inc. ("MISO"), DEI's predecessor (PSI Energy, Inc.) obtained authority to participate in MISO in Docket No. ER98-1438. *See Midwest Independent Transmission System Operator, Inc.*, 84 FERC ¶ 61,231 (1998). As to the other affiliates, DEC's baseline OATT was accepted in Docket No. ER10-2566; DEF's baseline OATT was accepted in Docket No. ER10-1775; and DEP's baseline OATT was accepted in Docket No. ER10-1774. As a result of a merger, DEC, DEF, and DEP now have a Joint OATT, which was filed on March 26, 2012, in Docket No. ER12-1343, and conditionally accepted in *Duke Energy Corp. and Progress Energy, Inc., et al.*, 139 FERC ¶ 61,193 (2012).

2. Neither Frontier nor its Affiliates Have Erected or Can Erect Other Barriers to Entry

In Order Nos. 697 and 816, the Commission clarified the information that an applicant for market-based rates must provide in regard to the seller's potential ability to erect barriers to entry in the relevant market. The Commission drew a distinction between two categories of inputs to electric power production. The first category consists of natural gas supply, interstate natural gas transportation (including interstate natural gas storage), oil supply, and oil transportation, while the second category consists of intrastate natural gas transportation, intrastate natural gas storage or distribution facilities, and sources of coal supplies and the transportation of coal supplies such as barges and rail cars.¹⁸

In regard to the first category, the Commission stated that it would not require a description or affirmative statement with respect to control or ownership of (or affiliation with an entity that has control or ownership of) such assets.¹⁹ With regard to the second category, the Commission stated that it would adopt a rebuttable presumption that ownership or control of (or affiliation with an entity that owns or controls) those types of assets would not allow a seller to raise barriers to entry, but it would allow intervenors to demonstrate otherwise.²⁰ It further noted that in order to raise the rebuttable presumption, the seller would have to "provide a description of its ownership or control

¹⁸ Order No. 697 at P 441.

¹⁹ *Id.* at P 442.

²⁰ *Id.* at P 446.

of, or affiliation with an entity that owns or controls” these types of assets and make an affirmative statement that neither it nor its affiliates had erected barriers to entry into the relevant market (nor would they erect barriers to entry into the relevant market in the future).²¹ The Commission further clarified that the obligation in the latter regard was “limited to the geographic market(s) in which the seller is located.”²²

Neither Frontier nor any of its affiliates owns or controls any intrastate natural gas transportation or intrastate natural gas storage facilities in the SPP region, although DEO and DEK do operate natural gas local distribution and storage facilities in the Northeast Region (within PJM). Frontier will not own or control any inputs to electric power production in the relevant market (SPP). Moreover, consistent with section 35.37(e)(4) of the Commission’s Regulations, Frontier affirmatively states that neither it nor its affiliates have erected barriers to entry into the relevant markets and that they will not erect barriers into such markets. Accordingly, Frontier satisfies the Commission’s requirements for market-based rates regarding vertical market power.

C. Frontier Will Comply with the Commission’s Affiliate Restrictions

In Order No. 697, the Commission codified an express requirement that any seller with market-based rate authority must comply with a number of affiliate restrictions, including those previously identified as the market-based rate “code of conduct.”²³ As

²¹ *Id.* at P 447; 18 C.F.R. § 35.37(e).

²² Order No. 697 at P 447; Order No. 816 at P 212.

²³ *Id.* at P 467; 18 C.F.R. § 35.39.

required under Order No. 697, the Tariff contains provisions stating that Frontier will comply with the affiliate restrictions listed in Part 35 of the Commission's Regulations.

IV. ANCILLARY SERVICES

Frontier seeks Commission authorization to have the ability to make sales of certain ancillary services into the SPP market. In accordance with Order No. 697, Frontier has included in its Tariff the Commission's standard provisions regarding the ancillary services that Frontier could offer to SPP.

V. FRONTIER'S SELLER CATEGORY DESIGNATION

The Tariff includes a provision designating Frontier as a "Category 1" seller in the Northeast, Central, Southeast, Southwest, and Northwest Regions because Frontier neither owns nor controls generation in any of these regions. Frontier is "Category 2" in the Southwest Power Pool Region because, upon commercial operation of the Facility, Frontier and its affiliates collectively will own or control more than 500 MW of generation in this region.²⁴

VI. EFFECTIVE DATE

Frontier respectfully request that its Tariff be permitted to take effect on October 21, 2016. While Frontier likely will not begin commercial operations until December of this year, Frontier will have to sell test energy to Springfield in order to have the facility

²⁴ Following the Commission's acceptance of the Tariff, Duke Energy will submit a change in status filing to revise the SPP category designations (from Category 1 to Category 2) in the MBR tariffs of Cimarron Windpower II, LLC, Ironwood Windpower, LLC, and Caprock Solar 1 LLC.

commissioned timely. Test energy sales could begin as early as October 21, 2016.

Frontier respectfully requests waiver of any regulations necessary for the Commission to grant that effective date. Good cause exists for the Commission to grant waivers enabling Frontier to submit this filing less than 60 days before the requested effective date as Frontier has attempted to have all of its required regulatory approvals filed and/or updated by the time the Facility might begin generating test energy.

VII. REPORTING REQUIREMENTS

Frontier will comply with the Commission's reporting requirements for entities that are authorized to sell electricity at market-based rates. Specifically, Frontier will submit Electric Quarterly Reports in accordance with Order No. 2001²⁵ and subsequent relevant orders. Frontier will also, pursuant to Order No. 652 and Order Nos. 697 and 816, promptly inform the Commission of any change in status that would reflect a departure from the facts that the Commission relied upon in approving market-based rates for Frontier.²⁶

In accordance with 18 C.F.R. § 385.41(c), Frontier hereby notifies the Commission that it will not engage in reporting of transactions to publishers of electric or natural gas price indices.

²⁵ *Revised Public Utility Filing Requirements*, Order No. 2001, FERC Stats. & Regs ¶ 31,127 (May 8, 2002), *subsequent history omitted*.

²⁶ *Reporting Requirements for Changes in Status for Public Utilities with Market-Based Rate Authority*, Order No. 652, FERC Stats. & Regs. ¶ 31,175 (2005); 18 C.F.R. § 35.42.

VIII. REQUEST FOR ADDITIONAL WAIVERS

Frontier respectfully requests that the Commission grant the following waivers and authorizations consistent with Commission practice:

- A. Waiver of Parts 41, 101 (with the exception of the provisions of Part 101 that apply to licensed hydropower projects), and 141 of the Commission's accounting and periodic reporting requirements (with the exception of 18 C.F.R. §§ 141.14 and 141.15);
- B. Waiver of the filing requirements of subparts B and C of Part 35 of the Commission's Regulations, except for 18 C.F.R. §§ 35.12(a), 35.13(b), 35.15, and 35.16;
- C. Blanket authorization under Section 204 of the FPA and Part 34 of the Commission's Regulations for all future issuances of securities or assumptions of liabilities; and
- D. Waiver of any other Commission requirement necessary for Frontier's Tariff to be made effective as requested in this filing.

The Commission previously has granted these waivers to a subsidiary of Duke Energy in Docket No. ER16-141-001. *Conetoe II Solar, LLC*, unpublished Letter Order (December 15, 2015). The Tariff does not contain a citation to the order accepting the tariff and the limitations and exemptions, but consistent with Commission practice, Frontier will revise its Tariff to include that citation the next time Frontier makes a filing.²⁷

²⁷ See *Colonial Eagle Solar, LLC*, Docket No. ER16-355-000, unpublished Letter Order issued January 6, 2016.

IX. LIST OF MATERIALS SUBMITTED

Frontier is submitting the following documents with this application: Frontier Windpower, LLC Tariff Volume No. 1,²⁸ the Order Nos. 697 and 816 “Appendix B” tables of assets and long-term power purchase agreements in the format required in Order No. 816 (Attachment B), and a clean copy of the Tariff for posting in e-Library.

Frontier notes that because it is not submitting market power analyses, the capacity of all generating plants under Duke Energy ownership or control is reported (nameplate and adjusted) in the Asset Appendix even if the capacity was not included in the most recent market-based rate triennial submission. Frontier further notes that DEO has not included on the Long-Term PPA portion of the Asset Appendix the long-term supply arrangements that it enters into as a result of the “retail default-supplier auctions” that are conducted to arrange power to serve DEO’s non-shopping Ohio retail customers. The Duke Energy MBR companies previously have not included such purchases on the Asset Appendix because they do not convey to DEO control over generating assets. Indeed, the winning bidders typically are energy marketers who arrange power supplies only after they learn whether they were awarded any supply tranches in the auctions, and DEO has no contractual relationship with any of the winning bidders’ upstream suppliers.

Under these circumstances, it did not appear to Frontier that Order No. 816 intended for applicants to report these type of arrangements on the Long-Term PPA table

²⁸ Frontier is also submitting the Tariff in RTF format with metadata attached in compliance with Order No. 714, *Electric Tariff Filings*, 73 Fed. Reg. 57515 (Oct. 3, 2008), FERC Stats. & Regs. ¶ 32,276 (2008).

in Appendix B, because DEO neither has made long-term transmission reservations for these arrangements²⁹ nor do the arrangements confer upon DEO “significant economic control over the power,” as the sellers and not DEO have the right to bid any excess energy into the PJM energy market.³⁰ Indeed, Frontier could not find evidence that other utilities subject to state-required default-supply auction mechanisms such as used in Ohio that had submitted the new form of Asset Appendix had reported these types of auction purchases. The Duke Energy MBR companies are of course willing to report such PPAs if required, subject to any confidentiality requirements.³¹

²⁹ DEO reserves and pays for network service under the PJM tariff, but DEO does not designate any of its retail default-supply agreements as “Network Resources.”

³⁰ Order No. 816 at 133.

³¹ For example, under the Public Utilities Commission of Ohio rules, default supply auction contracts are made public on a delayed basis.

X. CONCLUSION

WHEREFORE, based on the foregoing, Frontier respectfully requests that the Commission accept for filing Frontier's Tariff Volume No. 1 and grant Frontier authority to sell energy, capacity and ancillary services at market-based rates as requested herein.

Respectfully submitted,

/Steven J. Ross/

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Washington, DC 20036

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Attorneys for Frontier Windpower, LLC

October 3, 2016
Attachments

FRONTIER WINDPOWER, LLC
MARKET BASED RATE TARIFF
TARIFF VOLUME NO. 1

Frontier Windpower, LLC Market Based Rate Tariff

(Tariff Volume No. 1)

1. Availability: Frontier Windpower, LLC (“Frontier” or “Seller”) makes electric energy and capacity and ancillary services available under this Tariff at market-based rates for wholesale sales to purchasers with whom Frontier has contracted. All transactions under this Tariff shall be voluntary.

2. Applicability: This Tariff is applicable to all market-based wholesale sales of electric energy and capacity and ancillary services by Frontier not otherwise subject to a particular rate schedule of Frontier.

3. Rates: All sales shall be made at rates established by agreement between the purchaser and Frontier.

4. Other Terms and Conditions: All other terms and conditions of sale shall be established by agreement between the purchaser and Frontier.

5. Ancillary Services

a. RTO/ISO Specific:

SPP: Seller offers regulation service, spinning reserve service, and non-spinning reserve service to the Southwest Power Pool (“SPP”) and to others that are self-supplying ancillary services to the SPP.

b. Third Party Provider:

Third-party ancillary services: Seller offers Regulation and Frequency Response Service, Reactive Supply and Voltage Control Service, Energy and Generator Imbalance Service, Operating Reserve-Spinning , and Operating Reserve-Supplemental Reserves. Sales will not include the following: (1) sales to an RTO or an ISO, i.e., where that entity has no ability to self-supply ancillary services but instead depends on third parties; and (2) sales to a traditional, franchised public utility affiliated with the third-party supplier, or sales where the underlying transmission service is on the system of the public utility affiliated with the third-party supplier. Sales of Operating Reserve-Spinning and Operating Reserve-Supplemental will not include sales to a public utility that is purchasing ancillary services to satisfy its own open access transmission tariff requirements to offer ancillary services to its own customers, except where the Commission has granted authorization. Sales of Regulation and Frequency Response Service and Reactive Supply and Voltage Control Service will not include sales to a public utility that is purchasing ancillary services to satisfy its

own open access transmission tariff requirements to offer ancillary services to its own customers, except at rates not to exceed the buying public utility transmission provider's OATT rate for the same service or where the Commission has granted authorization.

6. Compliance with Commission Regulations: Seller shall comply with the provisions of 18 C.F.R. Part 35, Subpart H, as applicable, and with any conditions the Commission imposes in its orders concerning Seller's market-based rate authority, including orders in which the Commission authorizes Seller to engage in affiliate sales under this Tariff or otherwise restricts or limits the Seller's market-based rate authority. Failure to comply with the applicable provisions of 18 C.F.R. Part 35, Subpart H, and with any orders of the Commission concerning Seller's market-based rate authority, will constitute a violation of this Tariff.

7. Limitations and Exemptions Regarding Market-Based Rate Authority

a. Mitigated Sales: Frontier does not have authority under this Tariff to make sales within the Duke Energy Carolinas, LLC balancing authority area, the Duke Energy Progress balancing authority areas, or in Peninsular Florida (the "Mitigated Markets"). *See Duke Power, a Div. of Duke Energy Corp.*, 111 FERC ¶ 61,506, at P 61 (2005) (limitation on market-based rate sales within the Duke Energy Carolinas balancing authority area); *Florida Power Corp.*, 113 FERC ¶ 61,131, at P 17 (2005) (limitations on market-based rate sales within the Duke Energy Progress balancing authority areas and Peninsular Florida); *see also Duke Energy Corp.*, 136 FERC ¶ 61,245 (2011); *Duke Energy Corp.*, 139 FERC ¶ 61,194 (2012). Any sales by Frontier within the Mitigated Markets will be made in accordance with the rate schedules approved by the Commission prior to Frontier commencing such sales.

Peninsular Florida is defined for purposes of this Tariff as all of that portion of the State of Florida lying to the east of the Duke Energy Florida ("DEF") points of interconnection with Gulf Power Company, and to the south of the points of interconnection of those transmission lines jointly owned by Florida Power & Light Company and Jacksonville Electric Authority with Georgia Power Company and south of the points of interconnection of the City of Tallahassee and DEF with Georgia Power Company. *See DeSoto County Generating Co.*, 106 FERC ¶ 61,100 (2004).

b. Exemptions: The Commission granted Seller the following waivers and blanket authorization: (a) waiver of Subparts B and C of Part 35 of the Commission's regulations requiring the filing of cost-of-service information, except for sections 35.12(a), 35.13(b), 35.15 and 35.16; (b) waiver of the accounting and other requirements of Parts 41, 101 (with the exception that the waiver does not apply to provisions that apply to licensed hydropower projects) and 141, with the exception of 18 C.F.R. §§ 141.14 and 141.15; and (c) blanket approval as to Section 204 of the Federal Power Act and Part 34 of the Commission's regulations for all future issuances of securities and assumption of liabilities. *See*

Frontier Windpower, LLC, Docket No. ER17- ____-000.

8. Seller Category: Seller is a Category 1 seller in all regions other than the Southwest Power Pool Region, and a Category 2 seller in the Southwest Power Pool Region, as those categories are as defined in 18 C.F.R. § 35.36(a).

FERC rendition of the electronically filed tariff records in Docket No. ER17-00002-000

Filing Data:

CID: C005416

Filing Title: MBR Tariff and Application

Company Filing Identifier: 1

Type of Filing Code: 400

Associated Filing Identifier:

Tariff Title: Tariffs, Rate Schedules and Service Agreements

Tariff ID: 1

Payment Confirmation:

Suspension Motion:

Tariff Record Data:

Record Content Description, Tariff Record Title, Record Version Number, Option Code:

Tariff Volume No. 1, Market Based Rates Tariff, 0.0.0, A

Record Narrative Name:

Tariff Record ID: 1

Tariff Record Collation Value: 8388608 Tariff Record Parent Identifier: 0

Proposed Date: 2016-10-21

Priority Order: 1000000000

Record Change Type: NEW

Record Content Type: 1

Associated Filing Identifier:

FRONTIER WINDPOWER, LLC

MARKET BASED RATE TARIFF

TARIFF VOLUME NO. 1

Frontier Windpower, LLC Market Based Rate Tariff

(Tariff Volume No. 1)

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own open access transmission tariff requirements to offer ancillary services to its own customers, except at rates not to exceed the buying public utility transmission provider's OATT rate for the same service or where the Commission has granted authorization.

6. Compliance with Commission Regulations: Seller shall comply with the provisions of 18 C.F.R. Part 35, Subpart H, as applicable, and with any conditions the Commission imposes in its orders concerning Seller's market-based rate authority, including orders in which the Commission authorizes Seller to engage in affiliate sales under this Tariff or otherwise restricts or limits the Seller's market-based rate authority. Failure to comply with the applicable provisions of 18 C.F.R. Part 35, Subpart H, and with any orders of the Commission concerning Seller's market-based rate authority, will constitute a violation of this Tariff.

7. Limitations and Exemptions Regarding Market-Based Rate Authority

a. Mitigated Sales: Frontier does not have authority under this Tariff to make sales within the Duke Energy Carolinas, LLC balancing authority area, the Duke Energy Progress balancing authority areas, or in Peninsular Florida (the "Mitigated Markets"). *See Duke Power, a Div. of Duke Energy Corp.*, 111 FERC ¶ 61,506, at P 61 (2005) (limitation on market-based rate sales within the Duke Energy Carolinas balancing authority area); *Florida Power Corp.*, 113 FERC ¶ 61,131, at P 17 (2005) (limitations on market-based rate sales within the Duke Energy Progress balancing authority areas and Peninsular Florida); *see also Duke Energy Corp.*, 136 FERC ¶ 61,245 (2011); *Duke Energy Corp.*, 139 FERC ¶ 61,194 (2012). Any sales by Frontier within the Mitigated Markets will be made in accordance with the rate schedules approved by the Commission prior to Frontier commencing such sales.

Peninsular Florida is defined for purposes of this Tariff as all of that portion of the State of Florida lying to the east of the Duke Energy Florida ("DEF") points of interconnection with Gulf Power Company, and to the south of the points of interconnection of those transmission lines jointly owned by Florida Power & Light Company and Jacksonville Electric Authority with Georgia Power Company and south of the points of interconnection of the City of Tallahassee and DEF with Georgia Power Company. *See DeSoto County Generating Co.*, 106 FERC ¶ 61,100 (2004).

b. Exemptions: The Commission granted Seller the following waivers and blanket authorization: (a) waiver of Subparts B and C of Part 35 of the Commission's regulations requiring the filing of cost-of-service information, except for sections 35.12(a), 35.13(b), 35.15 and 35.16; (b) waiver of the accounting and other requirements of Parts 41, 101 (with the exception that the waiver does not apply to provisions that apply to licensed hydropower projects) and 141, with the exception of 18 C.F.R. §§ 141.14 and 141.15; and (c) blanket approval as to Section 204 of the Federal Power Act and Part 34 of the Commission's regulations for all future issuances of securities and assumption of liabilities. *See*

Frontier Windpower, LLC, Docket No. ER17- ____-000.

8. Seller Category: Seller is a Category 1 seller in all regions other than the Southwest Power Pool Region, and a Category 2 seller in the Southwest Power Pool Region, as those categories are as defined in 18 C.F.R. § 35.36(a).

Historical Notes December 3, 2012 Update

- 1 PRK 08.26.08: In ER01-1820, Cinergy Operating Companies (DEO and DEI) obtained an MBR Tariff. Later the name was changed to Duke Midwest Operating Companies and Duke Energy Shared Services, Inc. acted as Agent. On July 1, 2008, Duke Energy Shared Services, Inc. was merged into Duke Energy Business Services LLC. See page 6 of Northeast Market Power filing of June 20, 2008.
- 2 PRK 08.26.08: On April 18, 2008, Brownsville Power I, LLC sold the 450 Megawatt Brownsville generating facility located in the TVA balancing authority area to TVA. Brownsville Power I, LLC's MBR tariff was terminated effective April 10, 2009 in docket ER00-826.
- 3 PRK 08.26.08: On January 1, 2008, DEI sold Unit 1 (274 Megawatt) of its Wabash river facility to Wabash Valley Power Association.
- 4 PRK 08.28.08: On Dec. 31, 2007, DEO retired Miami Fort Unit 5 (80 MW).
- 5 PRK 09.24.08: On Sept. 12, 2008, DEGS Wind I, LLC purchased all the stock of Catamount Energy Corporation. As a result of the purchase, Duke owns a 33.1126% interest in Ryegate, a 20 MW wood-burning QF located in northeast Vermont and a 15.0537% interest in Rumford, an 85 MW cogeneration QF located in Rumford, Maine. The full output of both facilities is committed to long-term purchasers. Because the owners do not have MBR authority, we have determined that we are not required to include these assets on App. B. Duke also acquired portions of 5 wind facilities (Sweetwater 1-5) located in ERCOT which are not required to be listed on App. B. 203 docket is EC08-107.
- 6 PRK 10.01.08: On Sept. 30, 2008, DEC closed on the purchase of an additional 153 MW of Catawba Nuclear from Saluda River increasing Duke's interest in Catawba to 19.2%. See EC08-94-000.
- 7 PRK 11.20.08: App. B-1 amended to include docket ER99-962 wherein DEBS, agent for Duke Midwest Companies, was granted acceptance of MBR Tariff No. 7. Other docket listed is for tariff No. 9. Both tariffs are in effect.
- 8 PRK 12.10.08: App. B-1 amended to show Belews Creek derates from 1135 to 1100 MW and Rockingham capacity changed from 469 to 775 to conform to EIA filing. Basis for 469 number unknown.
- 9 RMG 01.09.09: Corrected docket number where MBR authority was granted to CC&T from ER02-1337 to ER01-1337
- 10 PRK 01.14.09: Caledonia Power I, LLC sold to Wood Group Power Solutions, Inc. on 12/27/06.
- 11 PRK 01.14.09: Cinergy Marketing & Trading, LP sold to Fortis on 10/01/06.
- 12 PRK 01.14.09: Entities owning Fayette, Hanging Rock, Lee, Vermillion, and Washington each merged into Cincinnati Gas & Electric Co. on 4/10/06.
- 13 PRK 01.16.09: B-2 corrected to show Miami Power as owner of 40 miles of a 138 kV T line from Miami Fort through Ky and Ind. to OVEC's Clifty Creek station. The 40 miles had been attributed to DEO.
- 14 PRK 04.03.09: Duke Energy Marketing America tariff terminated March 22, 2009 in ER09-557.
- 15 PRK 05.20.09: Derates totalling 124 MW at DEC Riverbend, Dan River, and Buck. See DEC system capability letter dated May 14, 2009 and detail on derates in Brandon Snyder note to Paul Kinny dated May 20.
- 16 PRK 07.07.09 Acquisition of North Allegheny Wind, LLC from Gamesa on June 30, 2009
- 17 PRK 10.13.09 Silver Sage added to B-1 after it reached commercial operations - FERC staff has said tariff app will be accepted effective Aug. 26.
- 18 PRK 01.20.10 Three Buttes added to B-1.
- 19 NNW 02.10.10: Updated App B-2 per emails forwarded by PRK.
- 20 NNW 02.18.10: Derates totaling 18 MW at Allen, 2 MW at Lee and 0.225 at Dillsboro. See DEC system capacity letter dated 2/12/10.
- 21 PRK 04.12.10: CC&T changed name to DECE.
- 22 NNW: 7.17.10: Updated docket references on Appendix B-1 to reflect the tariffs accepted in eTariff
- 23 NNW 7.16.10: Derates totaling 61.4 MW (Hydros) at Great Falls, Rocky Creek, Gaston Shoals, 99 Islands, Tennessee Creek, Franklin, and Mission; and derate totaling 20 MW at Buzzards Roost. Also, added asset Rooftop Solar 1 MW. See DEC system capability letter dated July 12, 2010.
- 24 NNW 8.4.10: Updated B-2 changes to Carolina's Transmission Assets through 7/1/10, per email from Buck Boyd to PRK dated 7/14/10. 100KV total miles = 17.16; 44KV total miles = -.74
- 25 PRK 09.22.10: Amend certain docket numbers per FERC staff's instructions.
NNW 09.22.10: TOW and Kit C added to B-1.
- 26 NNW 10.20.10: Per email from Sheri May dated 10.19.10, CPI Investments name has been changed to Duke Energy Commercial Asset Management, Inc. Updating B-1 accordingly.
- 27 NNW 10.20.10: Updated B-2 changes to Carolina's Transmission Assets through 10/1/10, per email from Tom Henderson to NNW dated 10.12.10 (updates were put in OpenPages by Tom). 161KV total miles = 26.6; 100KV total miles = 21.06; 66KV total miles = -24.72; 44KV total miles = -0.4

- 28 NNW 10.26.10: Updated B-1 to show 5 new companies: Duke Energy Fayette II, LLC; Duke Energy Hanging Rock II, LLC; Duke Energy Lee II, LLC; Duke Energy Vermillion II, LLC; and Duke Energy Washington II, LLC (formerly under
- 29 NNW 10.27.10: Updated B-1 notes to add "Inc." to Duke Energy Commercial Asset Management, Inc.
PRK 10.27.10: DEI Wabash River 1 and 1A removed. These units are operated by Duke but owned 100% by WVPA per Steve Sandfoss and David Freeman.
- 30 NNW 11.15.10: Updated B-1 to show revised summer rating numbers on the following units (per email from SHM to PRK and NNW dated 11/9/10) Henry County; Wheatland; Allen; Belews Creek; Buck; Dan River; Lee; Marshall; Riverbend; Rockingham; Beckjord; Dicks Creek; Miami Fort; Fayette; Hanging Rock; Lee; Vermillion; Washington.
- 31 NNW 12.15.10: Updated B-2 to show changes in Duke Midwest Transmission Assets, per email from Jeff Gindling to PRK and NNW dated 12.10.10
- 32 PRK 03.08.11: Updated DEC transmission line mileage per Tom Henderson note to PRK of 3/08/11
- 33 NNW 4.29.10: Per note from Jeff Gindling dated 4/1/11 to PRK and NNW - no changes to report for the Duke Energy Midwest transmission assets (includes DEI, DEK, DEO and Miami Power, excludes DEC).
- 34 BM 6.28.11: Per note from Julie Solomon dated 6/22/11 to PRK - the following changes were made: in-service date (one column only); eliminate the ownership share column.
- 35 BM. 6.28.11 6 QF's were included on Appendix B
- 36 BM 6.30.11 In accordance with Capacity Letter dated 6/22/11 and information received from PRK updated the
- 37 BM 7.26.11 Per note from Jeff Gindling dated 7.26.11 to BM, PRK and NW - the following changes were made for: Duke Energy midwest transmission assets (includes DEI, DEK, DEO, and Miami Power; excludes DEC)
- 38 BM 7.28.11 Per email from Jennifer Key dated 7/20/11 to PRK and email to BM from PRK dated 7/27/11, As of 8/8/11 CinCapIV and DETM will no longer exist as MBR affiliates and should come out of asset appendix (Appendix B). On July 20, 2011, FERC issued a letter Order accepting Duke Energy Trading & Market, LLC (DETM) and Duke Energy Corporations (CinCap IV, LLC) filing of a Notice of Cancellation requesting that the Commission cancel its market based rate tariff under ER11-3768 and ER11-3767 respectively. CinCapIV Docket No. ER98-421 and DETM Docket
- 39 ALW: 8/12/11: added Shirley Wind, LLC to Appendix B-1, per email from Tedd Matula confirming closing of acquisition transaction occurred on 8/11/2011.
- 40 JT 10/25/11: Per 10/25/11 email from Rashida Gittens, deleted Cliffside Steam Station units 1 through 4 (retired on 10/1/11) from App. B-1
- 41 JT 12/22/11: Per 12/26/11 email from PRK: deleted Edwardsport coal units 6, 7, 8 (units retired 3/11); added DEC Buck units 10-12; increased Bridgewater unit capacity by 20 MW; changed Shirley Wind and SSNCII capacity to reflect gross MW rather than net MW; added CS Murphy Point, ISH Solar Beach, ISH Solar Grin, ISH Solar Mouth, Cudahy, Downey, NCRP, RE Ajo 1, RE Baghdad Solar 1, RE Bellflower, RE Fontana 2, RE Irvine, RE San Diego, RP-Orlando,
- 42 JT 1/31/12: Appendix B-1 updates: For all DEOK units, changed BAA from MISO to PJM, and Geographic Region from Central to Northeast. Per PRK discussion, for Vermillion facility, changed Filing Entity, Owned By, Controlled By, Date Control Transferred, and ownership share to reflect sale of assets to DEI and WVPA. Removed assets from DEV II. For SSNCII, changed BAA and Geographic Region to PJM and Northeast. Appendix B-2 updates: For MPC, changed BAA to PJM and Region to Northeast. Per discussion with Tim Abbott, for DEOK-owned transmission over 69 kV, changed BAA to PJM and Region to Northeast (several 138 kV lines were shown to be controlled by DEO or DEK,
- 43 JT 2/16/12: Per email from Danny Wiles and Duke public website, deleted Gallagher units 1 and 3 to reflect February 2012 retirements
- 44 JT 3/1/12: Per phone call with Phillip Beard, deleted Miami Wabash unit 4 to reflect June 2011 retirement
- 45 JT 3/2/12: Letter order accepting DEV II Notice of Tariff Cancellation issued today. Removed DEV II from Appendix B.
- 46 JT 3/28/12: Per email from PRK, added to Appendix B-1 two ISH Solar AZ facilities (Tank Farm, WWTS), four ISH Solar CA facilities (Santa Clara County 01, Santa Clara County 04, SBWMA Material Recovery, SBWMA Transfer Station), and four SUEZ-DEGS facilities (Ashtabula, Rochester, Silver Grove, Tuscola). These QFs are listed on the Chart of QFs Owned by Duke Energy Corporation, but had been erroneously omitted from Appendix B-1.
- 47 JT 4/5/12: Per 4/4/12 DEC Capacity Letter from Rashida Gittens to PRK, deleted Dan River Steam Station units 1-3 (units retired 4/1/12) from App. B-1
- 48 JT 4/9/12: Per email from Jeff Gindling to PRK, changed sizes of transmission assets on App. B-2
- 49 JT 5/25/12: Per FERC delegated letter order issued on this date approving MBR tariffs, added Cimarron II and
- 50 JT 5/30/12: Per phone conversation with Nick Melillo, removed Beckjord unit 1 due to May 2012 retirement. Additionally, per Order No. 697 at P 343, changed designation on capacity ratings from nameplate to seasonal (in EIA data for the DEGS units, nameplate ratings are equal to seasonal ratings). Order No. 697 and subsequent FERC audits have required consistent use of nameplate or seasonal ratings in MBR filings.

- 51 JT 6/4/12: Per 6/3/12 Jennifer Key email, 1) Removed DEBS and replaced with DMOCs (just to be more clear that DEBS is not an entity with MBR); 2) Editing both the entries and Notes on Cimarron and Ironwood to reflect ownership/control as resting with the LLC, not the holding company; 3) Changed docket for Vermillion to DEI's docket, as the docket listed related to the old company; 4) Corrected ownership/control of Kryger Creek and Clifty Creek to OVEC and IKEC and edited note on same – Duke entities control and OVEC/IKEC own; 5) Formerly DEI was listed as "owning" Kryger, when it likely should have been DEO;
6) Deleted Dillsboro, which has been retired; 7) Miami Fort 6, which is remaining with DEK, had been listed as being controlled by DEO; 8) Added entries for 8 new DEO coal LLCs filing MBR applications
- 52 JT 6/14/12: Added docket numbers for DEO coal LLC MBR applications (7/9/12 - Reverted to prior docket numbers and ownership designations. Will update when DEO 203 application and MBR applications are approved.)
- 53 JT 6/18/12: Changed Rochester facility rating from 202 MW to 203 MW, per November 4, 1999 Notice of Self-
- 54 JT 7/3/12: Added Progress assets to App B-1 and B-2 per 7/2/12 emails from PRK & Nina McLaurin
- 55 JT 7/9/12: See note 52
- 56 JT 7/30/12: Updated St. Paul Cogen rating based on most recent QF self-recert. Formatting changes to App. B-2.
- 57 NM 10/30/12: Synced the DEC generation capacity with the Duke Energy Carolinas Capacity Letter of 10-16-12. Included a number of retirements: Riverbend 8-11, Dan River 4-6, Buck 6-9, Buzzard Roost 6-15. Also make some more minor capacity changes with the largest one being a 50 MW increase for Jocassee 3-4 and a capacity switch between Buck 10 and 12. Other more minor changes also made. Also added in 3 small hydros that were in this letter but not in App B. Got in-service dates from Phillip Beard
- 58 NM 10/30/12: Catawba ownership number (19.246 is the correct number) refined through discussions and email with Phillip Beard on 10/23/12.
- 59 NM 10/30/12: PEC retirements as sent in email from Susan Leonard on Oct 9, 2012. Retirements included: Lee 1-3, Cape Fear 5-6, Robinson 1, Cape Fear 2B, Lee GT 1-4, Moreheard 1.
- 60 NM 10/30/12: PEC "Richmond" units renamed to "Smith" as reflected in the email from Kim Thomas of Oct 17, 2012.
- 61 NM 10/30/12: Wind Commercial Operation Dates were updated with telephone conversation with Ben Moore.
- 62 NM 11/14/12: Made changes for Black Mountain Solar and Washington White Post Solar as requested in Ann Warren's 10/25/12 email.
- 63 NM 12/03/12: Added Notes to the Pending Filings spreadsheet related to the Washington Airport Millfield Solar and the Washington Millfield Solar facilities. Operational date of 12/13/13.
- 64 NM 12/03/12: Took Laurel Hills off of App B-2. Looked like it was just an outstanding error in the report of

Electric Transmission Assets and Natural Gas Distribution Facilities

Filing Entity and its Energy Affiliates*	Asset Name and Use	Owned by*	Controlled by*
Duke Energy Carolinas, LLC	Combined 500kV Lines	Duke Energy Carolinas, LLC	Duke Energy Carolinas, LLC
Duke Energy Carolinas, LLC	Combined 230kV Lines	Duke Energy Carolinas, LLC	Duke Energy Carolinas, LLC
Duke Energy Carolinas, LLC	Combined 161kV Lines	Duke Energy Carolinas, LLC	Duke Energy Carolinas, LLC
Duke Energy Carolinas, LLC	Combined 100 - 138kV Line	Duke Energy Carolinas, LLC	Duke Energy Carolinas, LLC
Duke Energy Carolinas, LLC	Combined 66kV Lines	Duke Energy Carolinas, LLC	Duke Energy Carolinas, LLC
Duke Energy Carolinas, LLC	Combined 44kV Lines	Duke Energy Carolinas, LLC	Duke Energy Carolinas, LLC
Duke Energy Indiana, LLC	Combined 345kV Lines	Duke Energy Indiana, LLC	MISO
Duke Energy Indiana, LLC	Combined 230kV Lines	Duke Energy Indiana, LLC	MISO
Duke Energy Indiana, LLC	Combined 138kV Lines	Duke Energy Indiana, LLC	MISO
Duke Energy Indiana, LLC	Combined 69kV Lines	Duke Energy Indiana, LLC	DEI
Duke Energy Ohio, Inc.	Combined 345kV Lines	Duke Energy Ohio, Inc.	PJM
Duke Energy Ohio, Inc.	Conesville-Hyatt 345kV	Duke Energy Ohio, Inc. (8.43%)	PJM
Duke Energy Ohio, Inc.	Conesville-Hyatt 345kV	Duke Energy Ohio, Inc. (16.86%)	PJM
Duke Energy Ohio, Inc.	Conesville-Hyatt 345kV	Duke Energy Ohio, Inc. (17.50%)	PJM
Duke Energy Ohio, Inc.	Combined 345kV Lines	Duke Energy Ohio, Inc. (28%)	PJM
Duke Energy Ohio, Inc.	Combined 345kV Lines	Duke Energy Ohio, Inc. (30%)	PJM
Duke Energy Ohio, Inc.	Combined 345kV Lines	Duke Energy Ohio, Inc. (30%)	PJM
Duke Energy Ohio, Inc.	Combined 345kV Lines	Duke Energy Ohio, Inc. (30%)	PJM
Duke Energy Ohio, Inc.	Zimmer-Port Union	Duke Energy Ohio, Inc. (33.33%)	PJM
Duke Energy Ohio, Inc.	Combined 345kV Lines	Duke Energy Ohio, Inc. (33.33%)	PJM
Duke Energy Ohio, Inc.	Hillcrest-Foster 345kV	Duke Energy Ohio, Inc. (50%)	PJM
Duke Energy Ohio, Inc.	Combined 345kV Lines	Duke Energy Ohio, Inc. (55%)	PJM
Duke Energy Ohio, Inc.	Combined 345kV Lines	Duke Energy Ohio, Inc. (50%)	PJM
Duke Energy Ohio, Inc.	Combined 345kV Lines	Duke Energy Ohio, Inc. (55%)	PJM
Duke Energy Ohio, Inc.	Combined 138kV Lines	Duke Energy Ohio, Inc.	PJM
Duke Energy Ohio, Inc.	Combined 69kV Lines	Duke Energy Ohio, Inc.	Duke Energy Ohio, Inc.
Duke Energy Kentucky, Inc.	Combined 69kV Lines	Duke Energy Kentucky, Inc.	Duke Energy Kentucky, Inc.
Miami Power Corporation	Combined 138kV Lines	Miami Power Corporation	PJM
Duke Energy Ohio, Inc.	Intrastate Gas Distribution	Duke Energy Ohio, Inc.	Duke Energy Ohio, Inc.
Duke Energy Kentucky, Inc.	Intrastate Gas Distribution	Duke Energy Kentucky, Inc.	Duke Energy Kentucky, Inc.

Transmission

Filing Entity and its Energy Affiliates*	Asset Name and Use	Owned by*	Controlled by*
Duke Energy Progress, LLC	Combined 500 kV Lines	Duke Energy Progress, LLC	Duke Energy Progress, LLC
Duke Energy Progress, LLC	Combined 230 kV Lines	Duke Energy Progress, LLC	Duke Energy Progress, LLC
Duke Energy Progress, LLC	Combined 115 kV Lines	Duke Energy Progress, LLC	Duke Energy Progress, LLC
Duke Energy Progress, LLC	Combined 500 kV Lines	Duke Energy Progress, LLC	Duke Energy Progress, LLC
Duke Energy Progress, LLC	Combined 230 kV Lines	Duke Energy Progress, LLC	Duke Energy Progress, LLC
Duke Energy Progress, LLC	Combined 115 kV Lines	Duke Energy Progress, LLC	Duke Energy Progress, LLC
Duke Energy Florida, LLC	Combined 500 kV Lines	Duke Energy Florida, LLC	Duke Energy Florida, LLC
Duke Energy Florida, LLC	Combined 230 kV Lines	Duke Energy Florida, LLC	Duke Energy Florida, LLC
Duke Energy Florida, LLC	Combined 115 kV Lines	Duke Energy Florida, LLC	Duke Energy Florida, LLC
Duke Energy Florida, LLC	Combined 69 kV Lines	Duke Energy Florida, LLC	Duke Energy Florida, LLC

Transmission

Filing Entity and its Energy Affiliates*	Asset Name and Use	Owned by*	Controlled by*
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Transmission

Date Control Transferred	Balancing Authority Area	Geographic Region (per Appendix D)	Size
NA	DUK	Southeast	575.96 combined miles
NA	DUK	Southeast	1393.66 combined miles
NA	DUK	Southeast	106.79 combined miles
NA	DUK	Southeast	3600.69 combined miles
NA	DUK	Southeast	105.94 combined miles
NA	DUK	Southeast	2379.49 combined miles
2/1/2001	MISO	Central	850.03 combined miles
2/1/2001	MISO	Central	774.87 combined miles
2/1/2001	MISO	Central	1463.44 combined miles
NA	MISO	Central	2743.21 combined miles
1/1/2012	PJM	Central	99.82 combined miles
10/1/2004	PJM (AEP)	Northeast	11.35 miles
10/1/2004	PJM (AEP)	Northeast	56.98 miles
10/1/2004	PJM (AEP)	Northeast	14.88 miles
1/1/2012	PJM	Northeast	78.40 combined miles
1/1/2012	PJM	Northeast	114.15 combined miles
10/1/2004	PJM (AEP)	Northeast	169.43 combined miles
10/1/2004	PJM (DPL)	Northeast	121.18 combined miles
1/1/2012	PJM	Northeast	9.52 miles
10/1/2004	PJM (AEP)	Northeast	172.81 combined miles
1/1/2012	PJM	Northeast	3.2 miles
1/1/2012	PJM	Northeast	77.44 combined miles
10/1/2004	PJM (DPL)	Northeast	77.34 combined miles
10/1/2004	PJM (DPL)	Northeast	267.6 miles
1/1/2012	PJM	Central	627.64 combined miles
NA	PJM	Central	604.82 combined miles
NA	PJM	Northeast	106.98 combined miles
1/1/2012	PJM	Northeast	40.10 combined miles
NA	PJM	Northeast	5,685 combined miles
NA	PJM	Northeast	1,416 combined miles

Transmission

Date Control Transferred	Balancing Authority Area	Geographic Region (per Appendix D)	Size
N/A	CPLE	Southeast	292 combined miles
N/A	CPLE	Southeast	3271 combined miles
N/A	CPLE	Southeast	2226 combined miles
N/A	CPLW	Southeast	0 combined miles
N/A	CPLW	Southeast	56 combined miles
N/A	CPLW	Southeast	298 combined miles
N/A	FPC	Southeast	169 combined miles
N/A	FPC	Southeast	1632 combined miles
N/A	FPC	Southeast	998 combined miles
N/A	FPC	Southeast	2298 combined miles

Transmission

Date Control Transferred	Balancing Authority Area	Geographic Region (per Appendix D)	Size
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Duke Energy Indiana, LLC

ER07-189

ents (PPA)

Seller Name	Amount of PPA (MW)	Location
		Market/Balancing Authority Area
Apple Energy LLC	20.00	DUK
Apple Energy LLC	20.00	DUK
Blue Ridge Electric Membership Corporation	32	DUK
Blue Ridge Electric Membership Corporation	1.64	DUK
Blue Ridge Electric Membership Corporation	1.825	DUK
Blue Ridge Electric Membership Corporation	1.825	DUK
Blue Ridge Electric Membership Corporation	7.311	DUK
Town of Dallas, North Carolina	3	DUK
Town of Forest City, North Carolina	6.6	DUK
Town of Forest City, North Carolina	4.3	DUK
Haywood Electric Membership Corporation	4	DUK
Haywood Electric Membership Corporation	3	DUK
Haywood Electric Membership Corporation	1	DUK
Haywood Electric Membership Corporation	2	DUK
Haywood Electric Membership Corporation	3	DUK
Haywood Electric Membership Corporation	2	DUK
Haywood Electric Membership Corporation	0.926	DUK
City of Kings Mountain, North Carolina	3	DUK
City of Kings Mountain, North Carolina	6.5	DUK
Lockhart Power Company	0.85	DUK
Lockhart Power Company	0.8	DUK
Lockhart Power Company	1.1	DUK
North Carolina Electric Membership Corporation	2	DUK
Piedmont Electric Membership Corporation	16	DUK
Cherokee County Cogeneration Partners, LLC	86	DUK
Florida Power Development LLC	60	FPC
Southern Power Company	434	FPC
Shady Hills Power Company	519	FPC
Vandolah Power Company	651	FPC
Osprey Energy Center LLC	599	TEC
Craven County Wood Energy, LP	48	CPLE
The City of Camden, South Carolina	1.755	CPLE
The Public Works Commission of the City of Fayetteville, North Carolina	220	CPLE
Haywood Electric Membership Corporation	5	CPLE
Haywood Electric Membership Corporation	2	CPLE
North Carolina Electric Membership Corporation	57.5	CPLE
North Carolina Electric Membership Corporation	57.5	CPLE
North Carolina Electric Membership Corporation	57.5	CPLE
North Carolina Electric Membership Corporation	57.5	CPLE
North Carolina Electric Membership Corporation	57.5	CPLE
North Carolina Electric Membership Corporation	57.5	CPLE
North Carolina Electric Membership Corporation	56	CPLE
North Carolina Electric Membership Corporation	56	CPLE
North Carolina Electric Membership Corporation	56	CPLE
North Carolina Electric Membership Corporation	42	CPLE
North Carolina Electric Membership Corporation	49	CPLE
Southern Power	145	CPLE
Broad River Energy LLC	516	CPLE
Broad River Energy LLC	383	CPLE

Benton County Wind Farm

100.5

MISO

Geographic Region	Start Date (mo/da/yr)	End Date (mo/da/yr)	End Note Number (Enter text in End Note Tab)
Southeast	4/18/2013	4/30/2023	12
Southeast	11/13/2012	12/14/2022	13
Southeast	1/1/2010	12/31/2031	14
Southeast	1/1/2011	12/31/2021	15
Southeast	1/1/2011	12/31/2021	16
Southeast	1/1/2011	12/31/2021	17
Southeast	1/1/2010	12/31/2031	
Southeast	1/1/2009	12/31/2028	18
Southeast	1/1/2009	12/31/2028	19
Southeast	1/1/2009	12/31/2028	20
Southeast	1/1/2009	12/31/2031	21
Southeast	1/1/2009	12/31/2031	22
Southeast	1/1/2009	12/31/2024	
Southeast	1/1/2009	12/31/2021	
Southeast	1/1/2009	12/31/2019	
Southeast	1/1/2009	12/31/2021	
Southeast	1/1/2009	12/31/2031	
Southeast	1/1/2009	12/31/2018	23
Southeast	1/1/2009	12/31/2018	24
Southeast	1/1/2009	12/31/2023	25
Southeast	1/1/2009	12/31/2023	26
Southeast	1/1/2009	12/31/2023	27
Southeast	1/1/2013	12/31/2027	28
Southeast	1/1/2009	12/31/2031	29
Southeast	1/1/2013	12/31/2020	30
Southeast	7/10/2009	5/20/2034	31
Southeast	6/1/2016	5/31/2021	32
Southeast	4/1/2007	4/20/2024	33
Southeast	6/1/2012	5/31/2027	34
Southeast	10/1/2014	1/2/2017	35
Southeast	8/19/2010	1/1/2018	36
Southeast	1/1/2014	12/31/2020	37
Southeast	1/1/2012	6/30/2021	38
Southeast	1/1/2009	12/31/2031	39
Southeast	1/1/2009	12/31/2031	
Southeast	1/1/2013	12/31/2032	40
Southeast	1/1/2013	12/31/2032	41
Southeast	1/1/2013	12/31/2032	42
Southeast	1/1/2013	12/31/2032	43
Southeast	1/1/2013	12/31/2032	44
Southeast	1/1/2013	12/31/2032	45
Southeast	1/1/2013	5/30/2019	46
Southeast	1/1/2013	5/30/2019	47
Southeast	1/1/2013	5/30/2019	48
Southeast	1/1/2013	12/31/2032	
Southeast	1/1/2013	12/31/2032	49
Southeast	1/1/2010	12/31/2019	50
Southeast	6/1/2001	5/31/2021	51
Southeast	6/12/2001	2/28/2022	52

Central

1/1/2008 12/31/2028

53

End Notes

- 1-DEI owns or controls 50.05% of Gibson 5's 620 MW total capacity.
- 2-DEC owns or controls 19.246% of each of Catawba 1's 1140 MW total capacity, and Catawba 2's 1129 MW total ca
- 3-DEI owns or controls 62.5% of Vermillion's 640 MW total capacity.
- 4-DEI owns or controls 9% of each of the Clifty Creek facilities' total 199 MW capacity, and DEO owns or controls 9%
- 5-Duke's affiliate Ironwood-Cimarron Holdings owns or controls 50% of Cimarron's 131.1 MW total capacity.
- 6-Duke's affiliate Ironwood-Cimarron Holdings owns or controls 50% of Ironwood's 167.9 MW total capacity.
- 7-DEP owns or controls 81.67% of each of Brunswick 1's 938 MW total capacity, and Brunswick 2's 932 MW total cap
- 8-DEP owns or controls 83.83% of Harris 1's 900 MW total capacity.
- 9-DEP owns or controls 83.83% of Mayo 1's 727 MW total capacity.
- 10-DEP owns or controls 96.30% of each of Roxboro 1's 364 MW total capacity, Roxboro 2's 659 MW total capacity, I
- 11-These units support the combined cycle configuration for the below identified unit. Therefore there is no capacity I
- 12-Unit Specific - Apple
- 13-Unit Specific - Apple
- 14-Unit Specific - Catawba Nuclear
- 15-Unit Specific - New River Diesel 1
- 16-Unit Specific - New River Diesel 2
- 17-Unit Specific - New River Diesel 3
- 18-Unit Specific - Park Road
- 19-Unit Specific - Lawing Road
- 20-Unit Specific - Beaver Street
- 21-Unit Specific - Anson and Hamlet
- 22-Unit Specific - Catawba Nuclear
- 23-Unit Specific - York Road
- 24-Unit Specific - Gaston Street
- 25-Unit Specific - Bypass/Diversion/Min Flow
- 26-Unit Specific - Lower Pacolet
- 27-Unit Specific - Upper Pacolet
- 28-Unit Specific - DEC-NCCEMC small diesel generators
- 29-Unit Specific - Catawba Nuclear
- 30-Unit Specific - Cherokee Cogeneration
- 31-Unit Specific - Brooksville Power Plant
- 32-Unit Specific - Franklin 1
- 33-Unit Specific - GE
- 34-Unit Specific - Northern Star
- 35-Unit Specific - Osprey
- 36-Unit Specific - Craven County Wood Energy
- 37-Unit Specific - Camden diesel generators
- 38-Unit Specific - Butler-Warner
- 39-Unit Specific - Anson and Hamlet
- 40-Unit Specific - Anson 1
- 41-Unit Specific - Anson 2
- 42-Unit Specific - Anson 3
- 43-Unit Specific - Anson 4
- 44-Unit Specific - Anson 5
- 45-Unit Specific - Anson 6
- 46-Unit Specific - Hamlet 1
- 47-Unit Specific - Hamlet 4
- 48-Unit Specific - Hamlet 5
- 49-Unit Specific - DEP-NCCEMC small diesel generators
- 50-Unit Specific - Rowan
- 51-Unit Specific - Broad River Energy Units 1-3
- 52-Unit Specific - Broad River Energy Units 4-5

53-Unit Specific - Benton County Wind Farm

capacity. DEC controls an additional 50 MW of capacity from Catawba from purchases from Blue Ridge EMC, Piedmont EMC, and
of Kyger Creek 1's total 199 MW capacity, and 9% of each of Kyger Creek 2 through Kyger Creek 5's total 197 MW capacity.

capacity.

Roxboro 3's 696 MW total capacity, and Roxboro 4's 698 MW total capacity.
listed for these units.

id Haywood EMC.

Document Content(s)

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