

Energy (ENERGISE)⁴ funding opportunities.

SETO has supported solar prediction technologies in its Solar Forecasting funding program, launched in 2013, which delivered WRF-Solar⁵—a version of the Weather Research and Forecasting (WRF) model⁶ that is optimized for solar irradiance, and more recently in the Solar Forecasting 2 funding program, launched in 2018. This latter program prioritizes improvements in the prediction of solar irradiance for horizons between 3 and 48 hours ahead, the successful integration of probabilistic solar power forecasts with generation unit scheduling, and the creation of an open-source framework for the efficient and transparent evaluation of irradiance and power forecast models.

SETO hosted a workshop on October 7–8, 2019, in Washington, DC to review the progress of projects awarded under the Solar Forecasting 2 funding program and to better understand the remaining challenges associated with the variability and prediction uncertainty of solar generation. At the event, subject matter experts and SETO-funded researchers presented on the state-of-the-art of solar irradiance forecasting, opportunities for the integration of hybrid systems with solar plants in the bulk power system, and efforts associated with the DOE-funded projects. These efforts work to improve the WRF-Solar model, use machine learning and other artificial intelligence methods to better predict irradiance under variable cloud cover and during ramps, and calculate the optimal amount of generation reserves using probabilistic solar power forecasts. An extended session was dedicated to the demonstration of the current state of Solar Forecast Arbiter,⁷ which is an open-source platform designed to facilitate objective, transparent, and auditable evaluation of irradiance and power forecasts. The participants openly discussed emerging challenges regarding the prediction of solar irradiance and power in a world with increasing solar and renewable penetration, and an increasing population of behind-the-meter variable loads. The detailed workshop agenda and presentations are available on the SETO website.⁸

In this RFI, SETO is seeking additional feedback on these topics from industry, electric utilities, balancing authorities, academia, research laboratories, government agencies, and other stakeholders. The main goal is to lower the integration cost of high penetrations of solar power to the bulk power and distribution systems by making the prediction of solar generation more accurate and effective. Such a development could be realized by leveraging advances in ground and remote sensing, numerical modeling of atmospheric processes, artificial intelligence techniques, and stochastic optimization. The questions are given as follows and responders are welcome to answer all or any subset of the questions.

Confidential Business Information

Pursuant to 10 CFR 1004.11, any person submitting information that he or she believes to be confidential and exempt by law from public disclosure should submit via email two well marked copies: One copy of the document marked “confidential” including all the information believed to be confidential, and one copy of the document marked “non-confidential” with the information believed to be confidential deleted. DOE will make its own determination about the confidential status of the information and treat it according to its determination.

Signed in Washington, DC, on January 27, 2020.

Rebecca Jones-Albertus,

Director, Solar Energy Technologies Office.

[FR Doc. 2020–02123 Filed 2–3–20; 8:45 am]

BILLING CODE 6450–01–P

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: EC20–29–000.

Applicants: Northeast Energy Associates, A Limited Partnership, North Jersey Energy Associates, A Limited Partnership, Vistra Energy Corp., NextEra Energy, Inc.

Description: Errata to January 7, 2020 Application for Authorization Under Section 203 of the Federal Power Act, et al. of Northeast Energy Associates, A Limited Partnership, et al.

Filed Date: 1/28/20.

Accession Number: 20200128–5202.

Comments Due: 5 p.m. ET 2/11/20.

Take notice that the Commission received the following exempt wholesale generator filings:

Docket Numbers: EG20–71–000.

Applicants: Blooming Grove Wind Energy Center LLC.

Description: Notice of Self-Certification of Exempt Wholesale Generator Status of Blooming Grove Wind Energy Center LLC.

Filed Date: 1/29/20.

Accession Number: 20200129–5053.

Comments Due: 5 p.m. ET 2/19/20.

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

Docket Numbers: ER10–1910–019; ER10–1911–019.

Applicants: Duquesne Light Company, Duquesne Power, LLC.

Description: Notice of Change in Status of the Duquesne MBR Sellers.

Filed Date: 1/28/20.

Accession Number: 20200128–5191.

Comments Due: 5 p.m. ET 2/18/20.

Docket Numbers: ER12–162–027; ER11–2044–032; ER11–3876–023.

ER13–1266–028; ER15–2211–025; ER18–1419–001.

Applicants: MidAmerican Energy Company, Bishop Hill Energy II LLC, CalEnergy, LLC, Cordova Energy Company LLC, MidAmerican Energy Services, LLC, Walnut Ridge Wind, LLC.

Description: Notice of Non-Material Change in Status of the Berkshire Hathaway Filing Parties.

Filed Date: 1/28/20.

Accession Number: 20200128–5198.

Comments Due: 5 p.m. ET 2/18/20.

Docket Numbers: ER16–902–005.

Applicants: Voyager Wind I, LLC.

Description: Notice of Non-Material Change in Status of Voyager Wind I, LLC.

Filed Date: 1/29/20.

Accession Number: 20200129–5097.

Comments Due: 5 p.m. ET 2/19/20.

Docket Numbers: ER19–1073–002;

ER10–2460–015; ER10–2461–016; ER10–2463–015; ER10–2466–016; ER10–2917–019; ER10–2918–020; ER10–2920–019; ER10–2921–019; ER10–2922–019; ER10–2966–019; ER10–3167–011; ER11–2201–019; ER11–2383–014; ER11–3941–017; ER11–3942–020; ER11–4029–015; ER12–1311–015; ER12–161–019; ER12–2068–015; ER12–645–020; ER12–682–016; ER13–1139–019; ER13–1346–011; ER13–1613–012; ER13–17–013; ER13–203–011; ER13–2143–012; ER14–1964–010; ER14–25–015; ER14–2630–012; ER16–287–005; ER17–482–004; ER19–1074–002; ER19–1075–002; ER19–1076–002; ER19–2429–001; ER19–529–002.

⁴ <https://www.energy.gov/eere/solar/funding-opportunity-announcement-enabling-extreme-real-time-grid-integration-solar-energy>.

⁵ <https://ral.ucar.edu/projects/wrf-solar>.

⁶ <https://www.mmm.ucar.edu/weather-research-and-forecasting-model>.

⁷ <https://SolarForecastArbiter.org>.

⁸ <https://www.energy.gov/eere/solar/downloads/solar-forecasting-2-workshop>.

Applicants: Alta Wind VIII, LLC, Bear Swamp Power Company LLC, BIF II Safe Harbor Holdings LLC, BIF III Holtwood LLC, Black Bear Development Holdings, LLC, Black Bear Hydro Partners, LLC, Black Bear SO, LLC, BREG Aggregator LLC, Brookfield Energy Marketing Inc., Brookfield Energy Marketing LP, Brookfield Power Piney & Deep Creek LLC, Brookfield Renewable Energy Marketing US, Brookfield Renewable Trading and Marketi, Brookfield Smoky Mountain Hydropower LP, Brookfield White Pine Hydro LLC, Carr Street Generating Station, L.P., Erie Boulevard Hydropower, L.P., Granite Reliable Power, LLC, Great Lakes Hydro America, LLC, Hawks Nest Hydro LLC, Mesa Wind Power Corporation, Rumford Falls Hydro LLC, Safe Harbor Water Power Corporation, Windstar Energy, LLC, Bishop Hill Energy LLC, Blue Sky East, LLC, California Ridge Wind Energy LLC, Canadaigua Power Partners, LLC, Canadaigua Power Partners II, LLC, Erie Wind, LLC, Evergreen Wind Power, LLC, Evergreen Wind Power III, LLC, Imperial Valley Solar 1, LLC, Niagara Wind Power, LLC, Prairie Breeze Wind Energy LLC, Regulus Solar, LLC, Stetson Wind II, LLC, Vermont Wind, LLC, Stetson Holdings, LLC.

Description: Amendment to October 30, 2019 Notice of Change in Status of the Brookfield Companies and TerraForm Companies.

Filed Date: 1/29/20.

Accession Number: 20200129–5103.

Comments Due: 5 p.m. ET 2/19/20.

Docket Numbers: ER19–1639–002.

Applicants: South Peak Wind LLC.

Description: Notice of Non-Material Change in Status of South Peak Wind LLC.

Filed Date: 1/28/20.

Accession Number: 20200128–5187.

Comments Due: 5 p.m. ET 2/18/20.

Docket Numbers: ER19–1778–001.

Applicants: Glen Ullin Energy Center, LLC.

Description: Notice of Non-Material Change in Status of Glen Ullin Energy Center, LLC.

Filed Date: 1/28/20.

Accession Number: 20200128–5189.

Comments Due: 5 p.m. ET 2/18/20.

Docket Numbers: ER20–276–001.

Applicants: Midcontinent Independent System Operator, Inc.

Description: Tariff Amendment: 2020–01–29 Deficiency Response Prairie Power Attachment O to be effective 1/1/2020.

Filed Date: 1/29/20.

Accession Number: 20200129–5148.

Comments Due: 5 p.m. ET 2/19/20.

Docket Numbers: ER20–884–000.

Applicants: Hanwha Q CELLS USA Corp.

Description: Request for Waiver of Hanwha Q CELLS USA Corp.

Filed Date: 1/27/20.

Accession Number: 20200127–5208.

Comments Due: 5 p.m. ET 2/18/20.

Docket Numbers: ER20–287–001.

Applicants: CPV Fairview, LLC.

Description: Compliance filing: Compliance to 122 to be effective 12/9/2019.

Filed Date: 1/28/20.

Accession Number: 20200128–5161.

Comments Due: 5 p.m. ET 2/18/20.

Docket Numbers: ER20–888–000.

Applicants: Puget Sound Energy, Inc.

Description: § 205(d) Rate Filing: Revised Attachment K Northern Grid Filing to be effective 4/1/2020.

Filed Date: 1/28/20.

Accession Number: 20200128–5155.

Comments Due: 5 p.m. ET 2/18/20.

Docket Numbers: ER20–889–000.

Applicants: CPV Fairview, LLC.

Description: Compliance filing: Compliance to 122 to be effective 12/9/2019.

Filed Date: 1/28/20.

Accession Number: 20200128–5156.

Comments Due: 5 p.m. ET 2/18/20.

Docket Numbers: ER20–890–000.

Applicants: Idaho Power Company.

Description: § 205(d) Rate Filing: Attachment K—NorthernGrid Per FERC 12/27/19 Order to be effective 4/1/2020.

Filed Date: 1/28/20.

Accession Number: 20200128–5162.

Comments Due: 5 p.m. ET 2/18/20.

Docket Numbers: ER20–891–000.

Applicants: MATL LLP.

Description: § 205(d) Rate Filing: NorthernGrid Attachment K 28 Jan 2020 to be effective 4/1/2020.

Filed Date: 1/28/20.

Accession Number: 20200128–5163.

Comments Due: 5 p.m. ET 2/18/20.

Docket Numbers: ER20–892–000.

Applicants: Portland General Electric Company.

Description: § 205(d) Rate Filing: Att K Revision Filing to be effective 4/1/2020.

Filed Date: 1/28/20.

Accession Number: 20200128–5164.

Comments Due: 5 p.m. ET 2/18/20.

Docket Numbers: ER20–893–000.

Applicants: Southwest Power Pool, Inc.

Description: § 205(d) Rate Filing: 3158R1 Basin Electric and MidAmerican Energy Attachment AO to be effective 1/1/2020.

Filed Date: 1/29/20.

Accession Number: 20200129–5001.

Comments Due: 5 p.m. ET 2/19/20.

Docket Numbers: ER20–894–000.

Applicants: PJM Interconnection, L.L.C.

Description: § 205(d) Rate Filing: 4th Quarterly 2019 Revisions to OA, Sch. 12 and RAA, Sch. 17 Members List to be effective 12/31/2019.

Filed Date: 1/29/20.

Accession Number: 20200129–5029.

Comments Due: 5 p.m. ET 2/19/20.

Docket Numbers: ER20–895–000.

Applicants: NC 102 Project LLC.

Description: § 205(d) Rate Filing: Notice of Non-Material Change in Status to be effective 1/30/2020.

Filed Date: 1/29/20.

Accession Number: 20200129–5034.

Comments Due: 5 p.m. ET 2/19/20.

Docket Numbers: ER20–896–000.

Applicants: Southwest Power Pool, Inc.

Description: § 205(d) Rate Filing: 3126R5 WAPA NITSA NOA to be effective 1/1/2020.

Filed Date: 1/29/20.

Accession Number: 20200129–5039.

Comments Due: 5 p.m. ET 2/19/20.

Docket Numbers: ER20–897–000.

Applicants: Southwest Power Pool, Inc.

Description: § 205(d) Rate Filing: 3161R1 Basin Electric and MidAmerican Energy Attachment AO to be effective 1/1/2020.

Filed Date: 1/29/20.

Accession Number: 20200129–5040.

Comments Due: 5 p.m. ET 2/19/20.

Docket Numbers: ER20–898–000.

Applicants: Southwest Power Pool, Inc.

Description: § 205(d) Rate Filing: 1630R10 The Empire District Electric Company NITSA NOA to be effective 1/1/2020.

Filed Date: 1/29/20.

Accession Number: 20200129–5050.

Comments Due: 5 p.m. ET 2/19/20.

Docket Numbers: ER20–899–000.

Applicants: Wheelabrator Frackville Energy Company Inc.

Description: Petition for Limited Waiver, et al. of Wheelabrator Frackville Energy Company Inc.

Filed Date: 1/28/20.

Accession Number: 20200128–5201.

Comments Due: 5 p.m. ET 2/18/20.

Docket Numbers: ER20–900–000.

Applicants: Northern States Power Company, a Minnesota corporation.

Description: Tariff Cancellation: CHAK—West Crk SS Const Agrmt 283–NSP–NOC to be effective 3/29/2020.

Filed Date: 1/29/20.

Accession Number: 20200129–5065.

Comments Due: 5 p.m. ET 2/19/20.

Docket Numbers: ER20–901–000.

Applicants: West Penn Power Company, PJM Interconnection, L.L.C.
Description: § 205(d) Rate Filing: West Penn Power Company submits OIA Sa No. 5504 to be effective 3/29/2020.

Filed Date: 1/29/20.

Accession Number: 20200129–5071.

Comments Due: 5 p.m. ET 2/19/20.

Docket Numbers: ER20–902–000.

Applicants: sPower Energy Marketing.

Description: Baseline eTariff Filing: sPower Energy Marketing, LLC MBR Tariff to be effective 1/30/2020.

Filed Date: 1/29/20.

Accession Number: 20200129–5072.

Comments Due: 5 p.m. ET 2/19/20.

Docket Numbers: ER20–903–000.

Applicants: PJM Interconnection, L.L.C.

Description: § 205(d) Rate Filing: Ministerial Clean Up of OATT and OA Sections Due to Overlapping Dates to be effective 12/3/2019.

Filed Date: 1/29/20.

Accession Number: 20200129–5078.

Comments Due: 5 p.m. ET 2/19/20.

Docket Numbers: ER20–904–000.

Applicants: Southwest Power Pool, Inc.

Description: § 205(d) Rate Filing: SPP–MISO JOA Revisions to Enhance Pseudo-Tie Coordination to be effective 3/30/2020.

Filed Date: 1/29/20.

Accession Number: 20200129–5130.

Comments Due: 5 p.m. ET 2/19/20.

Docket Numbers: ER20–905–000.

Applicants: Midcontinent

Independent System Operator, Inc.

Description: § 205(d) Rate Filing: 2020–01–29 SPP and MISO JOA Pseudo-Tie Revisions to be effective 3/30/2020.

Filed Date: 1/29/20.

Accession Number: 20200129–5145.

Comments Due: 5 p.m. ET 2/19/20.

Take notice that the Commission received the following qualifying facility filings:

Docket Numbers: QF18–452–002.

Applicants: North American Natural Resources, Inc.

Description: Pre-Arranged/Pre-Agreed (Settlement and Settlement Agreement) Filing, et al. of North American Natural Resources, Inc.

Filed Date: 1/28/20.

Accession Number: 20200128–5192.

Comments Due: 5 p.m. ET 2/3/20.

The filings are accessible in the Commission's eLibrary system by clicking on the links or querying the docket number.

Any person desiring to intervene or protest in any of the above proceedings must file in accordance with Rules 211 and 214 of the Commission's

Regulations (18 CFR 385.211 and 385.214) on or before 5:00 p.m. Eastern time on the specified comment date. Protests may be considered, but intervention is necessary to become a party to the proceeding.

eFiling is encouraged. More detailed information relating to filing requirements, interventions, protests, service, and qualifying facilities filings can be found at: <http://www.ferc.gov/docs-filing/efiling/filing-req.pdf>. For other information, call (866) 208–3676 (toll free). For TTY, call (202) 502–8659.

Dated: January 29, 2020.

Kimberly D. Bose,

Secretary.

[FR Doc. 2020–02109 Filed 2–3–20; 8:45 am]

BILLING CODE 6717–01–P

DEPARTMENT OF ENERGY

Federal Energy Regulatory Commission

[Project No. 3011–017]

NATCO Products Corporation; Notice of Application for Surrender of License, Soliciting Comments, Motions To Intervene, and Protests

Take notice that the following hydroelectric application has been filed with the Commission and is available for public inspection:

a. *Application Type:* Application for surrender of minor license.

b. *Project No:* 3011–017.

c. *Date Filed:* December 31, 2019.

d. *Applicant:* NATCO Products Corporation.

e. *Name of Project:* Arctic Hydroelectric Project.

f. *Location:* The 478-kilowatt project is located on the South Branch of the Pawtuxet River, in West Warwick, Kent County, Rhode Island. The project does not occupy any federal lands.

g. *Filed Pursuant to:* Federal Power Act, 16 U.S.C. 791a–825r.

h. *Applicant Contact:* Mr. Steve Burke, NATCO Products Corporation, 155 Brookside Avenue, West Warwick, RI 02893; phone (401) 828–0300, email sburke@natcohome.com.

i. *FERC Contact:* Diana Shannon, (202) 502–6136, diana.shannon@ferc.gov.

j. *Deadline for filing comments, motions to intervene, and protests:* February 28, 2020.

The Commission strongly encourages electronic filing. Please file comments, motions to intervene, and protests using the Commission's eFiling system at <http://www.ferc.gov/docs-filing/efiling.asp>. Commenters can submit

brief comments up to 6,000 characters, without prior registration, using the eComment system at <http://www.ferc.gov/docs-filing/ecomment.asp>. You must include your name and contact information at the end of your comments. For assistance, please contact FERC Online Support at FERCOnlineSupport@ferc.gov, (866) 208–3676 (toll free), or (202) 502–8659 (TTY). In lieu of electronic filing, please send a paper copy to: Secretary, Federal Energy Regulatory Commission, 888 First Street NE, Washington, DC 20426. The first page of any filing should include docket number P–3011–017. Comments emailed to Commission staff are not considered part of the Commission record.

The Commission's Rules of Practice and Procedure require all intervenors filing documents with the Commission to serve a copy of that document on each person whose name appears on the official service list for the project. Further, if an intervenor files comments or documents with the Commission relating to the merits of an issue that may affect the responsibilities of a particular resource agency, they must also serve a copy of the document on that resource agency.

k. *Description of Request:* In 2017, the applicant filed a Notice of Intent to file an application for a subsequent license. Upon evaluation of costs associated with study requirements, expected new license requirements, and repairs to the turbine, the applicant has decided to surrender the project. The applicant proposes to decommission the project by installing a steel/concrete bulkhead to prevent flow through the turbine, close and lock the two turbine gate control arms; and remove all fuses to isolate the generating equipment from the power grid. The dam and powerhouse would remain in place.

l. *Locations of the Application:* A copy of the application is available for inspection and reproduction at the Commission's Public Reference Room, located at 888 First Street NE, Room 2A, Washington, DC 20426, or by calling (202) 502–8371. This filing may also be viewed on the Commission's website at <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. You may also register online at <http://www.ferc.gov/docs-filing/esubscription.asp> to be notified via email of new filings and issuances related to this or other pending projects. For assistance, call 1–866–208–3676 or email FERCOnlineSupport@ferc.gov, for TTY, call (202) 502–8659. A copy is also available for inspection and