

and ions; high power targets for secondary beam generation; precision x-ray optics; particle and radiation detectors, and advanced accelerator concepts. It also includes materials such as superconducting sheet, wire, and cable; permanent magnet materials; materials for laser and x-ray optics and coatings; photocathode materials and structures for polarized electron sources; and materials for particle detectors.

The transfer of high technology from academic and research use into industrialized production for broader use is a vital step towards reducing cost and increasing reliability of particle accelerators generally. Collaborative models of accelerator R&D, public-private partnerships, cooperative research and development agreements, Small Business Innovation Research programs, and industrial R&D are but a few of the critical mechanisms that move technology from concept to practice.

Request for Information: The objective of this request for information is to gather information about the current marketplace of particle accelerator technology, and to explore opportunities, possible partnerships, and mechanisms to strengthen the domestic supply chain.

The questions below are intended to assist in the formulation of comments and should not be considered as a limitation on either the number or the issues that may be addressed in such comments. A summary of the comments provided will be made public.

The DOE Office of Accelerator R&D and Production is specifically interested in receiving input pertaining to any of the following questions:

Status and Future of the Market

1. What are the current industrial applications of particle accelerators and closely related accelerator technologies (see previous description)? What is the approximate size of these markets?

2. What are the emergent industrial applications of particle accelerators and closely related technologies?

3. Are there specific aspects of the current market that pose challenges to maintaining a viable accelerator technology business?

4. Are there specific aspects of the current market that inhibit technology transfer and/or the introduction of new accelerator technologies?

Models for Technology Transfer

5. What mechanisms are currently in use to transfer technology innovations to industrial practice in your technology area?

a. What aspects of these mechanisms are effective?

b. What opportunities exist to improve these mechanisms?

c. How widely known or easily accessible are these mechanisms?

6. Can you describe previous examples of successful technology R&D partnerships or mechanisms? Why, specifically, were these partnerships or mechanisms successful?

7. Can you describe examples of failed technology partnerships or mechanisms? Why, specifically, did these attempts fail?

8. Are there new models of technology transfer that should be explored?

Workforce Development

9. Do present training mechanisms such as SULI,² post-baccalaureate programs in accelerator science & engineering, Traineeship Programs,³ USPAS,⁴ and the Energy I-Corps⁵ meet the workforce needs for industry, academia, and the national laboratories?

a. What aspects of current training mechanisms could be improved?

b. What additional mechanisms could be used to improve overall workforce expertise and readiness?

Defining an Optimal Federal Role

10. What mix of institutions (industrial, academic, lab, government) could best carry out the required technology transfer R&D, and who should drive the R&D?

11. What collaboration models would be most effective for pursuing joint technology R&D?

12. How could accelerator technology R&D efforts engage with other innovation and manufacturing initiatives, such as Manufacturing USA?⁶

13. At what point in the technology transfer and subsequent manufacturing development cycle would federal support no longer be needed?

14. How best can integrated production know-how for niche market technologies be preserved once high-quality sustainable production has been achieved?

15. What metrics should be used to assess the progress of an accelerator technology transfer effort over the short term (e.g., 1–2 years) and long term (e.g., 5 years or more)?

² <https://science.osti.gov/wdts/suli>.

³ <https://uspas.fnal.gov/opportunities/educational-opps/DOE-traineeships.shtml>.

⁴ <https://uspas.fnal.gov/index.shtml>.

⁵ <https://energyicorps.energy.gov/>.

⁶ See <https://www.manufacturingusa.com/for-a-program-description>.

Other Factors

16. Are there other factors, not addressed by the questions above, that impact the successful transfer and industrialization of accelerator technology?

Depending on the response to this RFI, a subsequent workshop may be held to further explore and elaborate the opportunities.

Signing Authority

This document of the Department of Energy was signed on January 25, 2021, by J. Stephen Binkley, Acting Director, Office of Science, pursuant to delegated authority from the Acting Secretary of Energy. That document with the original signature and date is maintained by DOE. For administrative purposes only, and in compliance with requirements of the Office of the Federal Register, the undersigned DOE Federal Register Liaison Officer has been authorized to sign and submit the document in electronic format for publication, as an official document of the Department of Energy. This administrative process in no way alters the legal effect of this document upon publication in the **Federal Register**.

Signed in Washington, DC, on January 26, 2021.

Treena V. Garrett,

Federal Register Liaison Officer, U.S. Department of Energy.

[FR Doc. 2021–01959 Filed 1–28–21; 8:45 am]

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DEPARTMENT OF ENERGY

Federal Energy Regulatory Commission

[Project No. 10855–333]

Upper Peninsula Power Company: Notice of Application for Amendment of License, Soliciting Comments, Motions To Intervene, and Protests

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

a. *Type of Proceeding:* Request for temporary variance of Article 402.

b. *Project No.:* 10855–033.

c. *Date Filed:* January 14, 2021.

d. *Licensee:* Upper Peninsula Power Company.

e. *Name of Project:* Dead River Hydroelectric Project.

f. *Location:* The project is located on the Dead River, in Marquette County, Michigan.

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

h. *Licensee Contact*: Mr. Virgil Schlorke, Upper Peninsula Power Company, 800 Greenwood Street, Ishpeming, MI 49849, (906) 485-2480.

i. *FERC Contact*: Brian Bartos, (202) 502-6679, Brian.Bartos@ferc.gov.

j. Deadline for filing comments, motions to intervene, and protests, is 30 days from the issuance date of this notice by the Commission.

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, you may submit a paper copy. Submissions sent via the U.S. Postal Service must be addressed to: Kimberly D. Bose, Secretary, Federal Energy Regulatory Commission, 888 First Street NE, Room 1A, Washington, DC 20426. Submissions sent via any other carrier must be addressed to: Kimberly D. Bose, Secretary, Federal Energy Regulatory Commission, 12225 Wilkins Avenue, Rockville, MD 20852. The first page of any filing should include docket number P-10855-033. 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*: The applicant proposes to modify the start-of-month target reservoir surface elevation requirements at the Silver Lake Storage Basin (SLSB) and Dead River Storage Basin (DRSB) for the year 2021. Specifically, the applicant proposes to increase the SLSB start-of-month target elevations in February and March from 1,477.5 to 1,479.0 feet National Geodetic Vertical Datum (NGVD); April from 1,477.5 to 1,485.0 feet NGVD; May from 1,479.0 to 1,485.0

feet NGVD; June from 1,481.0 to 1,485.0 feet NGVD; July from 1,481.5 to 1,485.0 feet NGVD; August from 1,480.0 to 1,482.5 feet NGVD; September and October from 1,479.5 to 1,480.0 feet NGVD. The licensee would continue to maintain the target elevations for the remaining months as required by Article 402. The applicant proposes to increase the DRSB start-of-month target elevation for May from 1,340.0 to 1,341.0 feet NGVD. The applicant states that the temporary variance will allow the applicant to continue to determine if there are operational modifications that can be employed to improve water quality in the Dead River.

l. *Locations of the Application*: This filing may 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. Agencies may obtain copies of the application directly from the applicant.

m. Individuals desiring to be included on the Commission's mailing list should so indicate by writing to the Secretary of the Commission.

n. *Comments, Protests, or Motions to Intervene*: Anyone may submit comments, a protest, or a motion to intervene in accordance with the requirements of Rules of Practice and Procedure, 18 CFR 385.210, .211, .214, respectively. In determining the appropriate action to take, the Commission will consider all protests or other comments filed, but only those who file a motion to intervene in accordance with the Commission's Rules may become a party to the proceeding. Any comments, protests, or motions to intervene must be received on or before the specified comment date for the particular application.

o. *Filing and Service of Documents*: Any filing must (1) bear in all capital letters the title "COMMENTS", "PROTEST", or "MOTION TO INTERVENE" as applicable; (2) set forth in the heading the name of the applicant and the project number of the application to which the filing responds; (3) furnish the name, address, and telephone number of the person commenting, protesting or intervening; and (4) otherwise comply with the requirements of 18 CFR 385.2001 through 385.2005. All comments,

motions to intervene, or protests must set forth their evidentiary basis. Any filing made by an intervenor must be accompanied by proof of service on all persons listed in the service list prepared by the Commission in this proceeding, in accordance with 18 CFR 385.2010.

Dated: January 25, 2021.

Kimberly D. Bose,
Secretary.

[FR Doc. 2021-01967 Filed 1-28-21; 8:45 am]

BILLING CODE 6717-01-P

DEPARTMENT OF ENERGY

Federal Energy Regulatory Commission

Combined Notice of Filings

Take notice that the Commission has received the following Natural Gas Pipeline Rate and Refund Report filings:

Docket Numbers: RP21-397-000.

Applicants: Stagecoach Pipeline & Storage Company LLC.

Description: § 4(d) Rate Filing: Stagecoach Pipeline & Storage Company LLC—Filing of Tariff Modifications to be effective 2/22/2021.

Filed Date: 1/22/21.

Accession Number: 20210122-5043.

Comments Due: 5 p.m. ET 2/3/21.

Docket Numbers: RP21-398-000.

Applicants: Algonquin Gas Transmission, LLC.

Description: § 4(d) Rate Filing: Negotiated Rate—Yankee Gas 510802 Release eff 1-23-2021 to be effective 1/23/2021.

Filed Date: 1/22/21.

Accession Number: 20210122-5083.

Comments Due: 5 p.m. ET 2/3/21.

The filings are accessible in the Commission's eLibrary system (<https://elibrary.ferc.gov/idmws/search/fercensearch.asp>) by 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 date(s). 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.