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PUBLIC UTILITIES COMMISSION

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NHPUC 15FEB17PM3:12

**AUTHORIZATION FOR CLASS I RENEWABLE ENERGY
CERTIFICATE (REC) ELIGIBILITY**

The Commission received and Staff reviewed an application requesting Class I REC eligibility for annual generation output in excess of 2,111,634 kilowatt-hours (kWh) for the Monadnock Paper Mills, Inc. (MPM) Pierce Dam 0.770 MW hydroelectric facility. Based on information submitted regarding increased production due to the installation of an Automatic Pond Level Control System, Staff has recommended and the Commission hereby approves the additional annual generation output in excess of 2,111,634 kWh as eligible for Class I RECs, effective as of December 6, 2016. The facility continues to be eligible for Class IV RECs for all kWh production up to 2,111,634 kWh per year, as certified in Docket DE 14-088. Any excess generation output reported to GIS by Eversource under the code MSS915 would not be qualified for the New Hampshire RPS program, in order to avoid any double counting of RECs.

Class I DE 13-318

Facility Name	Facility Address	Town	ST	Zip	MW	GIS Facility Code	NH Certification Code
MPM-Pierce Dam Power Station	117 Antrim Road	Bennington	NH	03442	0.770	NON39971	NH-17-I-NF90002
Independent Monitor William P. Short III							

Handwritten signature of Debra A. Howland in black ink.

Debra A. Howland
Executive Director

Date: February 15, 2017

This authorization is non-transferable without notice to and acknowledgement by the New Hampshire Public Utilities Commission.

Notifications to:

James Webb, GIS Administrator
William P. Short, III, Independent Monitor
Elise Anderson, Hydro Management Group, LLC
Mark Lombardi, Monadnock Paper Mills, Inc.

Intra-Department Communication

Monadnock Paper Mills, Inc. (MPM) is seeking Class I certification of Pierce Dam Station for incremental new annual generation over its annual historical generation baseline of 2,111,634 kWh. This additional generation is the result of a capital improvement to the facility's efficiency and an increase in the output of renewable energy pursuant to RSA 362-F:4, I (i).

*(if applicable)

Contact Information [Puc 2505.02(c)(1-4), (15)]									
	Name		Address			City	State	ZIP	
Application filed by:	Hydro Management Group, LLC		455 Union Street, 4 th Floor			Boston	MA	02106	
Contact	Elise Anderson	Phone	617-367-0032	Email	eanderson@essexhydro.com				
Contact Title									
Facility Owner	Monadnock Paper Mills, Inc.		mailing	117 Antrim Road		Bennington	NH	03442	
			physical	Same					
Facility Contact	mailto:bmaloy@mpm.com								
Facility Contact Title		Phone	617-367-0032	Email	eanderson@essexhydro.com				
Facility Name	MPM-Pierce Dam Power Station		117 Antrim Road			Bennington	NH	03442	
	Name		Address			City	State	ZIP	
Facility Operator*	Mark Lombardi		117 Antrim Road			Bennington	NH	03442	
Operator Title*	Vice President of Manufacturing	Phone	603-588-8694	Email	mlombardi@mpm.com				
ISO-NE Asset ID #	N/A	GIS Facility Code	NON39971	Verified on GIS database			yes	no	
						<input checked="" type="checkbox"/>	<input type="checkbox"/>		
	Name		Address			City	State	ZIP	
Independent Monitor	William P. Short III		PO Box 237173			New York	NY	10023-7173	
Facility Description [Puc 2505.02(c)(5)]									
Fuel Type	Gross Nameplate Capacity (MW)		Initial commercial operation date			Initial date of operation (if different)			
Hydro		0.770	June 1975			n/a			
<p>The Pierce Dam is a part of the Monadnock Project which consists of four developments; the Powder Mill Pond Development, Monadnock Development, Pierce Development and the Paper Mill Development. The Pierce Dam is 420 feet-long and 28 feet-high and is located 900 feet downstream of the Monadnock Dam. The Pierce Dam, constructed of concrete, includes the following components:</p> <ul style="list-style-type: none"> • two spillway sections that are 168 feet-long and 122 feet-long with dogleg alignments; • 2-foot-high flashboards; • a reservoir having minimal pondage; • a gated intake structure and powerhouse located at the right dam abutment, containing two turbine-generator units rated at 220 kW and 550 kW; • a trailrace partially encircling an island and re-entering the main channel of the river approximately 600 feet downstream of the main dam; and, • other appurtenant facilities. <p>Pierce Station is a net seller, and all the electric generation produced by Pierce Station is used by the commercial operations of MPM. Station service is purchased from Eversource.</p>									
Necessary Regulatory Approvals, Documentation, & Other Requirements [[Puc 2505.02(c)(7-14, 16)]									
Approval(s)			Date			Notes:			
FERC Order Issuing New License			May 23, 2014			Project No. 6597-013			
PSNH Interconnection Report for Customer Generation			May 18, 1992						
NHPUC Order Approving Settlement Agreement Amending Rate Order Issued to PSNH			August 9, 2002			Modifies Public Service Company of New Hampshire Power Supply Arrangement with Steels Pond Hydro, Inc.			
Water Quality Certification, In Fulfillment of Section 401 of the United States Clean Water Act (33 U.S.C 1341)			March 11, 2016			Appurtenant License: Federal Energy Regulatory Commission No. P6597			
FERC Order Incorporating New Water Quality Certificate, Amending License, and Approving Plans			August 4, 2016			Project No. 6597-019			
A description of how the facility's output is connected to the distribution facility.			The site interconnects to a tap on line 313 that is normally fed radially from the Jackman substation and into the Eversource system.						
A statement that the facility's output is reported to and verified by ISO-NE.			yes	no	A description of how the facilities output is reported to the GIS if not reported to & verified to and verified by ISO-NE.				Yes
			<input type="checkbox"/>	<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>

A statement as to whether the facility has been certified under another non-federal jurisdiction's RPS and proof thereof.											NA
											<input type="checkbox"/>
Massachusetts	yes	no	Connecticut (CEO)	yes	no	Rhode Island	yes	no	Maine	yes	no
	<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input type="checkbox"/>
A statement that the source complies with the metering requirements of Puc 2506.					yes	no	A statement by the owner that the information provided is accurate.			yes	no
					<input checked="" type="checkbox"/>	<input type="checkbox"/>				<input checked="" type="checkbox"/>	<input type="checkbox"/>
Other information provided.						An affidavit was signed by Mark Lombardi, Vice President of Manufacturing for MPM					
Note:	An Automatic Pond Level Control Systems (APLCS) has been installed and operating at Pierce Dam Station since November 2014. MPM and Hydro Management Group prepared a comparison of kWh output for 2014 and 2015 showing an increased production of electricity of approximately 27.3% over the historical generation baseline.										
	Under RSA 362-F:4, I (i), a hydroelectric generation facility may be eligible to produce Class I RECs for its increased incremental electricity output resulting from capital investments made after January 1, 2006 with the successful purpose of improving the efficiency or increasing the output of renewable energy from the facility, only to the extent such incremental output exceeds its "historical generation baseline." RSA 362-F:2, X (b) defines "historical generation baseline" as the average annual production of a hydroelectric facility from the later of January 1, 1986 or the date of first commercial operation through December 31, 2005.										
	With respect to demonstration of the historical generation baseline for the Pierce Dam project, MPM provided total MPM system generation data from 1986 to present, but Pierce Dam Power Station data is only available back to 2005. Taking into account the % power that was generated by Pierce Station from 2005-2016 (excluding 2010 when MPM had an extended outage at the Mill), it can be shown that Pierce Dam generated approximately 42.1% of the total MPM system power output. By applying that percentage to total MPM system hydroelectric production from 1986-2005, the historical generation baseline is estimated to be 2,111,634 kWh annually for the Pierce Dam Station. This estimation methodology is similar to that used in connection with the certification of the Monadnock Dam Power Station in 2014.										

I have reviewed this information as provided and agree that it conforms with Puc 2505.2 (c) and recommend this facility be certified as eligible to produce Class I RECs for its annual generation output in excess of the 2,111,634 kilowatt-hours (kWh) historical generation baseline. Any excess generation output reported to GIS by Eversource under the code MSS915 would not be qualified for the New Hampshire RPS program, in order to avoid any double counting of RECs.

/Barbara Bernstein/

Barbara Bernstein

SERVICE LIST - EMAIL ADDRESSES - DOCKET RELATED

Pursuant to N.H. Admin Rule Puc 203.11 (a) (1): Serve an electronic copy on each person identified on the service list.

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FILING INSTRUCTIONS:

- a) Pursuant to N.H. Admin Rule Puc 203.02 (a), with the exception of Discovery, file 7 copies, as well as an electronic copy, of all documents including cover letter with:
DEBRA A HOWLAND
EXEC DIRECTOR
NHPUC
21 S. FRUIT ST, SUITE 10
CONCORD NH 03301-2429
- b) Serve an electronic copy with each person identified on the Commission's service list and with the Office of Consumer Advocate.
- c) Serve a written copy on each person on the service list not able to receive electronic mail.