

VIA eTariff Filing

November 2, 2022

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

**RE: *Public Service Company of New Hampshire*
Establishment of Depreciation Rate for Accounts 357 and 358 in
Appendix D-PSNH to Attachment F of the ISO-NE OATT
Docket No. ER22-2953-[]**

Dear Secretary Bose:

Pursuant to Section 205 of the Federal Power Act (“FPA”)¹ and Part 35 of the Rules of Practice and Procedure of the Federal Energy Regulatory Commission² (the “Commission”), Public Service Company of New Hampshire (“PSNH” or the “Company”) hereby submits an amendment to its September 29, 2022 filing (“Initial Filing”) in the above-captioned docket. In the Initial Filing, PSNH proposed to establish the transmission plant depreciation rates for Account 357, Underground Conduit and Account 358, Underground Conductors and Devices to be set forth in PSNH’s Appendix D to Attachment F of the ISO New England Inc. (“ISO-NE”) Open Access Transmission Tariff (“ISO-NE OATT”)³ that will be used to calculate PSNH’s annual transmission revenue requirements for transmission service under the ISO-NE OATT. With this filing, the Company submits substitute eTariff records with PSNH’s proposed depreciation rates for Accounts 357 and 358, revised versions of supporting Exhibit Nos. PSNH-1, PSNH-2, PSNH-3, and PSNH-4 and a new Exhibit No. PSNH-5.

PSNH is submitting this amendment because it became aware after making its Initial Filing that the allocated book reserve numbers represented in column (4) of Exhibit No. PSNH-4 were inaccurate, and correcting these values would necessarily result in an adjustment to the proposed depreciation rates for Accounts 357 and 358. Specifically, the amended proposed depreciation rates that result from this correction are 1.73% for Account 357 (from 1.80% in the Initial Filing) and 2.19% for Account 358 (from 2.27% in the Initial Filing). These amended proposed depreciation rates will be used to calculate the Company’s annual transmission revenue requirements for transmission service under the ISO-NE OATT, and are expected to result in a reduction in PSNH’s revenue

¹ 16 U.S.C. § 824d (2006).

² 18 C.F.R. Part 35 (2022).

³ The ISO-NE OATT is Section II of the ISO New England Inc. Transmission, Markets and Services Tariff.

requirement of approximately \$169,049 annually (an expected rate reduction of approximately \$27,314 more than proposed in the Initial Filing).⁴

With this filing, PSNH submits substitute eTariff records for Appendix D-PSNH to Attachment F of the ISO-NE OATT with PSNH's proposed depreciation rates for Accounts 357 and 358, revised versions of Exhibit Nos. PSNH-1, PSNH-2, PSNH-3, and PSNH-4, and a new Exhibit No. PSNH-5. The Company also submits a clean version (Attachment A) and a marked version (Attachment B) of revised Appendix D-PSNH to Attachment F of the ISO-NE OATT reflecting the proposed depreciation rates of 1.73% for Account 357 and 2.19% for Account 358.

I. Documents Submitted with this Filing

With this filing, PSNH submits the following documents in addition to the eTariff records:

1. This transmittal letter;
2. Exhibit No. PSNH-1 (Revised): Testimony of Karl M. Pacelle;
3. Exhibit No. PSNH-2 (Revised): Revenue Impact Statement showing a reduction in PSNH's transmission revenue requirement as a result of the proposed depreciation rate for Account 357, Underground Conduits;
4. Exhibit No. PSNH-3 (Revised): Revenue Impact Statement showing a reduction in PSNH's transmission revenue requirement as a result of the proposed depreciation rate for Account 358, Underground Conductors and Devices;
5. Exhibit No. PSNH-4 (Revised): Depreciation Study for PSNH Account 357, Underground Conduit and Account 358, Underground Conductors and Devices, prepared by Gannet Fleming Valuation and Rate Consultants, LLC;
6. Exhibit No. PSNH-5: Projected Accumulated Reserve and Net Book Value through December 31, 2022 using the current depreciation rate;
6. Attachment A: Clean Tariff showing proposed depreciation rates for Account 357, Underground Conduit and Account 358, Underground Conductors and Devices in PSNH's Appendix D to Attachment F of the ISO-NE OATT; and

⁴ PSNH is making this filing proposing changes to its Appendix D to Attachment F of the ISO-NE OATT in accordance with PSNH's rights under Section 3.04(a)(i) of the Transmission Operating Agreement among ISO-NE and the New England Participating Transmission Owners ("PTOs") to submit filings under FPA Section 205 to revise an individual PTO's revenue requirements. ISO-NE is submitting this filing through eTariff as a courtesy to PSNH because only ISO-NE holds the administrative rights to submit filings through eTariff pertaining to the ISO-NE OATT.

7. Attachment B: Redlined Tariff showing updated depreciation rates for inclusion in PSNH's Appendix D to Attachment F of the ISO-NE OATT marked against the version of Appendix D-PSNH currently in effect.

II. Effective Dates and Waiver Request

PSNH respectfully requests waiver of the Commission's 60-day prior notice requirement and requests that this filing be accepted with an effective date of January 1, 2023. Good cause exists for granting such waiver, as this filing proposes a rate decrease, and the Commission has stated that it will "generally grant waiver of the 60-day prior notice requirement" for "filings that reduce rates and charges – such as rate decreases."⁵

Alternatively, if the Commission does not grant waiver and a January 1, 2023 effective date, the Company respectfully requests an effective date of February 1, 2023, which is the first day of the month that is 60 days after the date of this filing. Having an effective date on the first of a month eases the administrative burden associated with implementing new depreciation rates in the Company's accounting system.

III. Conclusion

For the foregoing reasons, PSNH respectfully requests that the Commission accept the depreciation rates and tariff revisions submitted in this filing without suspension or refund requirement and grant an effective date of January 1, 2023.

Respectfully submitted,

By: Mary E. Grover
Mary E. Grover, Esq.
Colin Francis, Esq.

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Attorneys for Public Service Company of New Hampshire

⁵ *Cent. Hudson Gas & Elec. Corp.*, 60 FERC ¶ 61,106, *reh'g denied*, 61 FERC ¶ 61,089 (1992).

CERTIFICATE OF SERVICE

I hereby certify that I have this day caused copies of the foregoing document to be served electronically upon all parties in the official service lists maintained by the Secretary of the Commission in these proceedings.

Dated this 2nd day of November, 2022

/s/ David R. Peloquin

Eversource Energy Service Company
P.O. Box 270
Hartford, CT 06141
(860) 665-3554

UNITED STATES OF AMERICA
BEFORE THE
FEDERAL ENERGY REGULATORY COMMISSION

Public Service Company of New Hampshire)

Docket No. ER22-2953-____

PREPARED TESTIMONY OF
KARL M. PACELLE

November 2, 2022

**EXHIBITS TO TESTIMONY OF
KARL M. PACELLE**

Exhibit No.	Description
PSNH-2 (Revised)	Revenue Impact Statement for Account 357
PSNH-3 (Revised)	Revenue Impact Statement for Account 358

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

Public Service Company of New Hampshire)

Docket No. ER22-2953-__

**PREPARED TESTIMONY
OF KARL M. PACELLE**

Q. Please state your name and business address.

A. My name is Karl M. Pacelle. My business address is 107 Selden Street, Berlin, Connecticut 06037.

Q. By whom are you employed and in what capacity?

A. I am employed by Eversource Energy Service Company (“Eversource Service”) as a Senior Analyst, Transmission Rates and Revenue Requirements. Eversource Service provides centralized services to its parent company, Eversource Energy, and its transmission-owning public utility subsidiaries: The Connecticut Light and Power Company (“CL&P”), NSTAR Electric Company (“NSTAR”), and Public Service Company of New Hampshire (“PSNH”).

Q. Please summarize your education and professional experience.

A. I graduated from Central Connecticut University in 2012 with a Bachelor of Science degree in Business Administration, concentrating in accounting. I joined Eversource Service and the Transmission Rates and Revenue Requirements group in 2016. I have held the positions of Associate Analyst, Analyst, and Senior Analyst in the Transmission

Rates and Revenue Requirements group. My current responsibilities include assisting in transmission rate-related FERC proceedings and filings, including the preparation and filing of various documents and exhibits related to transmission revenue requirements, rates and projects. I also assist in the coordination and implementation of transmission revenue requirements and rates for CL&P, NSTAR, and PSNH.

II. PURPOSE OF TESTIMONY

Q. What is the purpose of your testimony?

A. The purpose of my testimony is to show the impact on PSNH's transmission revenue requirement in connection with the proposed establishment of transmission plant depreciation rates for Account 357, Underground Conduit and Account 358, Underground Conductors and Devices. In this filing, PSNH seeks the Commission's approval to establish these transmission plant depreciation rates for use in calculating its annual transmission revenue requirement under Section II of the ISO New England Inc. Transmission, Markets and Services Tariff ("ISO-NE OATT").

Q. How are PSNH's annual transmission revenue requirements calculated under the ISO-NE OATT?

A. PSNH calculates its transmission revenue requirements for all transmission services, including Regional Service and Local Service, through the use of a single transmission formula rate contained in Attachment F to the ISO-NE OATT. This rate became

effective on January 1, 2022 pursuant to a Settlement approved by the Commission in Docket No. ER20-2054.¹

Q. Are you aware that utilities must obtain Commission authorization to change prices charged for transmission services (whether determined by stated rates or formula rates) to reflect a change in depreciation rates?

A. Yes. I understand from counsel that although not required to make a separate filing to obtain Commission approval before implementing changes in depreciation rates for accounting purposes, public utilities must obtain Commission approval to use such updated rates in calculating their annual transmission revenue requirements charged to customers for transmission service. Accordingly, in this filing, PSNH seeks Commission approval to change the transmission plant depreciation rates used for Account 357, Underground Conduit and Account 358, Underground Conductors and Devices to establish its annual transmission revenue requirements for transmission service across its facilities provided under the ISO-NE OATT, pursuant to the requirements set forth in Order No. 618, *Depreciation Accounting*, FERC Stats. and Reg. ¶ 31,104 (2000).

III. PROPOSED DEPRECIATION RATE

Q. Please summarize your testimony.

A. PSNH seeks Commission approval to establish two transmission plant depreciation rates used in calculating its annual transmission revenue requirements pursuant to the ISO-NE OATT. In this testimony, I discuss the impact on PSNH's annual transmission revenue

¹ See *ISO New England Inc.*, 173 FERC ¶ 61,270 (2020).

requirements as a result of this proposal. I also discuss the proposed tariff revisions to PSNH's Appendix D to Attachment F of the ISO-NE OATT.

Q. Why is PSNH establishing these depreciation rates?

A. On May 20, 2020, PSNH put the Seacoast Reliability Project into service. This project consisted of both overhead and underground transmission assets. However, PSNH did not have depreciation rates on file with the Commission for Account 357, Underground Conduit and Account 358, Underground Conductors and Devices. This filing seeks to establish rates for these accounts to ensure that PSNH's underground transmission assets can be depreciated appropriately. I understand from counsel that PSNH could not update the rate until this year because of the terms of a settlement governing, *inter alia*, ISO-NE OATT Attachment F that was approved by the Commission in 2020 ("Formula Rate Settlement") which included a moratorium on changes to certain portions of Attachment F proposed pursuant to either Section 205 or Section 206 of the Federal Power Act that extends until December 31, 2024, with certain enumerated exceptions.² The language in ISO-NE OATT, Attachment F specifically excludes from the moratorium filings to change transmission depreciation rates beginning in year three of the moratorium period (i.e., 2022), and provides that any such filings during the moratorium period shall be limited to a review of those transmission depreciation rates.

² See *ISO New England Inc.*, 173 FERC ¶ 61,270 (2020).

Q. What is PSNH's proposed transmission plant depreciation rate for Account 357, Underground Conduit?

A. PSNH engaged Mr. John Spanos of Gannett Fleming Valuation and Rate Consultants, LLC to study the asset in question. As detailed in the Depreciation Study prepared by Mr. Spanos, Mr. Spanos determined that the appropriate depreciation rate for this underground conduit associated with the Seacoast Reliability Project should be 1.73%.

Q. What is PSNH's proposed transmission plant depreciation rate for Account 358, Underground Conductors and Devices?

A. PSNH engaged Mr. John Spanos of Gannett Fleming Valuation and Rate Consultants, LLC to study the asset in question. As detailed in the Depreciation Study prepared by Mr. Spanos, Mr. Spanos determined that the appropriate depreciation rate for underground conductors and devices associated with the Seacoast Reliability Project should be 2.19%.

Q. What exhibits are included in this filing in support of the change in transmission plant depreciation expense as a result of the proposed transmission plant depreciation rates?

A. Exhibit No. PSNH-2 (Revised) is a revenue impact statement that shows the impact on PSNH's transmission revenue requirement as a result of the proposed transmission plant depreciation rate for Account 357, Underground Conduit. The Estimated Annual Transmission Related Depreciation Expense provided in Exhibit No. PSNH-2 (Revised), page 3 shows the proposed transmission plant depreciation rate of 1.73% for Account 357, Underground Conduit in Column (B) multiplied by the June 30, 2022 transmission

plant balance in column (A) to show what the annual depreciation expense would have been had the proposed transmission plant depreciation rate of 1.73% for these assets been in effect for a year. The Estimated Change in Annual Transmission Related Depreciation Expense provided in Exhibit No. PSNH-2 (Revised), page 1 compares the level of depreciation expense currently included in PSNH's revenue requirements for 2022 against the expected annual depreciation expense under the proposed rate for Account 357, Underground Conduit, and provides the difference in Column (C).

Exhibit No. PSNH-3 (Revised) is a revenue impact statement that shows the impact on PSNH's transmission revenue requirement as a result of the proposed transmission plant depreciation rate for Account 358, Underground Conductors and Devices. The Estimated Annual Transmission Related Depreciation Expense provided in Exhibit No. PSNH-3 (Revised), page 3 shows the proposed transmission plant depreciation rate of 2.19% for Account 358, Underground Conductors and Devices in Column (B) multiplied by the June 30, 2022 transmission plant balance in column (A) to show what the annual depreciation expense would have been had the proposed transmission plant depreciation rate of 2.19% for these assets been in effect for a year. The Estimated Change in Annual Transmission Related Depreciation Expense provided in Exhibit No. PSNH-3 (Revised), page 1 compares the annual depreciation expense included in PSNH's current revenue requirements for 2022 against the expected annual depreciation expense under the proposed rate for Account 358, Underground Conductors and Devices, and provides the difference in Column (C).

IV. REVENUE IMPACT

Q. What is the impact to annual transmission plant depreciation expense related to transmission service resulting from the new transmission plant depreciation rates?

A. The estimated impact to transmission plant depreciation expense was calculated based on balances as of June 30, 2022. As shown on Exhibit Nos. PSNH-2 (Revised) and PSNH-3 (Revised), the estimated transmission-related depreciation expense impact for PSNH that results from the updated, proposed depreciation rates is a *reduction* in PSNH's transmission revenue requirement of approximately \$169,049. This rate reduction stems from the fact that all of the transmission assets for the Seacoast Reliability Project – both overhead and underground – are currently being depreciated at the 2.49% annual rate approved for Account 356, Overhead Conductor and Devices. When the Commission approves the 1.73% depreciation rate for Account 357 and the 2.19% depreciation rate for Account 358, the underground transmission assets associated with the Seacoast Reliability Project will begin to be depreciated at those lower depreciation rates, which will drive the reduction to the PSNH transmission revenue requirement.

Q. Is PSNH proposing any tariff revisions in connection with the proposed transmission plant depreciation rates for Account 357, Underground Conduit and Account 358, Underground Conductors and Devices?

A. Yes. PSNH is proposing limited tariff revisions to its Appendix D to Attachment F of the ISO-NE OATT to reflect the updated depreciation rates. Specifically, PSNH is proposing to add lines for Account 357, Underground Conduit with a rate of 1.73% and Account 358, Underground Conductors and Devices with a rate of 2.19%.

Q. Are you sponsoring any exhibits?

A. Yes, in addition to this testimony, I am sponsoring Exhibit Nos. PSNH-2 (Revised) and PSNH-3 (Revised), which illustrate the revenue impact of the proposed update to PSNH's transmission plant depreciation rates on PSNH's transmission revenue requirements described in my testimony above.

V. CONCLUSION

Q. Does that complete your testimony?

A. Yes it does.

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

Public Service Company of New Hampshire

)

Docket No. ER22-2953-[]

AFFIDAVIT OF KARL M. PACELLE

I, Karl M. Pacelle, under the penalty of perjury, state that the information contained in the Prepared Testimony of Karl M. Pacelle on behalf of Public Service Company of New Hampshire is true, correct, accurate, and complete to the best of my knowledge, information and belief.

Executed this 31st day of October 2022.

Karl Pacelle

Karl M. Pacelle

Exhibit No. PSNH-2 (Revised)

**Summary of Estimated Change and Estimated Expense Due To
Establishment of Transmission Plant Depreciation Rate for Account 357,
Underground Conduit**

Public Service Company of New Hampshire

Public Service Company of New Hampshire
Estimated Change in Annual Transmission Related Depreciation Expense
Due to Establishment of Transmission Plant Depreciation Rate for Account 357
As of June 30, 2022

Exhibit No. PSNH-2 (Revised)

Page 1 of 3

Line No.	FERC Account Number	FERC Account Description	(A) Current Annual Depreciation Expense (a)	(B) Proposed Annual Depreciation Expense (b)	(C) = (B)-(A) Annual Depreciation Expense Increase/ (Decrease) (c)
1	357	Underground Conduit	\$ 333,443	\$ 231,669	\$ (101,774)

Notes:

- (a) Exhibit No. PSNH-2 (Revised), Page 2, Current Annual Transmission Related Depreciation Expense Under Current Transmission Plant Depreciation Rate, Column (C)
- (b) Exhibit No. PSNH-2 (Revised), Page 3, Estimated Transmission Related Depreciation Expense Under Proposed Transmission Plant Depreciation Rate, Column (C)
- (c) The estimated annual revenue requirement impact is based solely on the change in the depreciation rate applied to the gross plant in service for this project on a stand-alone basis and is presented for illustrative purposes

Public Service Company of New Hampshire
Current Annual Transmission Related Depreciation Expense
Under Current Transmission Plant Depreciation Rate

Exhibit No. PSNH-2 (Revised)
Page 2 of 3

Line No.	FERC Account Number	FERC Account Description	(A) Account Balance as of June 30, 2022	(B) Current Depreciation Rate (a)	(C) = (A)*(B) Annual Depreciation Expense
1	356	Overhead Conductor and Devices	\$ 13,391,292	2.49%	\$ 333,443

Notes:

(a) ISO New England Inc. Open Access Transmission Tariff, Attachment F, Appendix D-Public Service Company of New Hampshire

Public Service Company of New Hampshire
Estimated Annual Transmission Related Depreciation Expense
Under Proposed Transmission Plant Depreciation Rate

Exhibit No. PSNH-2 (Revised)
Page 3 of 3

Line No.	FERC Account Number	FERC Account Description	(A) Account Balance as of June 30, 2022	(B) Proposed Depreciation Rate (a)	(C) = (A)*(B) Annual Depreciation Expense
1	357	Underground Conduit	\$ 13,391,292	1.73%	\$ 231,669

Notes:

(a) Exhibit No. PSNH-4 (Revised) - Study from Gannett Fleming

Exhibit No. PSNH-3 (Revised)

**Summary of Estimated Change and Estimated Expense Due To
Establishment of Transmission Plant Depreciation Rate for Account 358,
Underground Conductors and Devices**

Public Service Company of New Hampshire

Public Service Company of New Hampshire
Estimated Change in Annual Transmission Related Depreciation Expense
Due to Establishment of Transmission Plant Depreciation Rate for Account 358
As of June 30, 2022

Exhibit No. PSNH-3 (Revised)
Page 1 of 3

Line No.	FERC Account Number	FERC Account Description	(A)	(B)	(C) = (B)-(A)
			Current Annual Depreciation Expense (a)	Proposed Annual Depreciation Expense (b)	Annual Depreciation Expense Increase/ (Decrease) (c)
1	358	Underground Conductors and Devices	\$ 558,382	\$ 491,107	\$ (67,275)

Notes:

- (a) Exhibit No. PSNH-3, Page 2 (Revised), Current Transmission Related Depreciation Expense Under Current Transmission Plant Depreciation Rate, Column (C)
- (b) Exhibit No. PSNH-3, Page 3 (Revised), Estimated Transmission Related Depreciation Expense Under Proposed Transmission Plant Depreciation Rate, Column (C)
- (c) The estimated annual revenue requirement impact is based solely on the change in the depreciation rate applied to the gross plant in service for this project on a stand-alone basis and is presented for illustrative purposes

Public Service Company of New Hampshire
Current Annual Transmission Related Depreciation Expense
Under Current Transmission Plant Depreciation Rate

Exhibit No. PSNH-3 (Revised)
Page 2 of 3

Line No.	FERC Account Number	FERC Account Description	(A) Account Balance as of June 30, 2022	(B) Current Depreciation Rate (a)	(C) = (A)*(B) Annual Depreciation Expense
1	356	Overhead Conductor and Devices	\$ 22,424,993	2.49%	\$ 558,382

Notes:

(a) ISO New England Inc. Open Access Transmission Tariff, Attachment F, Attachment D-Public Service Company of New Hampshire

Public Service Company of New Hampshire
Estimated Annual Transmission Related Depreciation Expense
Under Proposed Transmission Plant Depreciation Rate

Exhibit No. PSNH-3 (Revised)
Page 3 of 3

Line No.	FERC Account Number	FERC Account Description	(A) Account Balance as of June 30, 2022	(B) Proposed Depreciation Rate (a)	(C) = (A)*(B) Annual Depreciation Expense
1	358	Underground Conductors and Devices	\$ 22,424,993	2.19%	\$ 491,107

Notes:

(a) Exhibit No. PSNH-4 (Revised) - Study from Gannett Fleming



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October 26, 2022

[Send via email to Lindsey.Ekblade@Eversource.com](mailto:Lindsey.Ekblade@Eversource.com)

Ms. Lindsey A. Ekblade
Plant Accounting
Eversource Energy
107 Selden Street
Berlin, CT 06037

Dear Lindsey:

Depreciation Rate for Seacoast

Per your request, we have determined recommended depreciation rates for transmission assets related to Seacoast Accounts 357.00, Underground Conduit and 358.00, Underground Conductor and Devices for Public Service Company of New Hampshire (PSNH) as of June 30, 2022. The recommended depreciation accrual rates are based on the surviving plant in service and accumulated depreciation (book reserve) as of June 30, 2022. The resulting depreciation rates were based on the average service life of 60 years, survivor curve - S2.5, a negative 5 percent net salvage for Account 357 and an average service life of 50 years, survivor curve - R2.5 and a negative 10 percent net salvage for Account 358. The survivor curve and net salvage parameters represent the most appropriate estimates for recover of the type of assets in service and the remaining life of the location. Each parameter is established with the general understanding of the type of assets and the estimates of comparable assets within the industry. The resulting remaining life rate reflects past recovery patterns. The tables below set forth the developed rates of 1.73 and 2.19 for the Seacoast assets in Account 357 and 358 as of June 30, 2022.



ACCOUNT 357.00 UNDERGROUND CONDUIT

CALCULATED REMAINING LIFE DEPRECIATION ACCRUAL
RELATED TO ORIGINAL COST AS OF JUNE 30, 2022

YEAR	ORIGINAL COST	CALCULATED ACCRUED	ALLOC. BOOK RESERVE	FUTURE BOOK ACCRUALS	REM. LIFE	ANNUAL ACCRUAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)

SURVIVOR CURVE.. IOWA 60-S2.5

NET SALVAGE PERCENT.. -5

2020	13,391,292.06	468,648	630,341	13,430,515	58.00	231,561
	13,391,292.06	468,648	630,341	13,430,515		231,561

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 58.0 1.73

ACCOUNT 358.00 UNDERGROUND CONDUCTORS AND DEVICES

SURVIVOR CURVE.. IOWA 50-R2.5

NET SALVAGE PERCENT.. -10

2020	22,424,992.61	927,498	1,055,566	23,611,925	48.12	490,688
	22,424,992.61	927,498	1,055,566	23,611,925		490,688

COMPOSITE REMAINING LIFE AND ANNUAL ACCRUAL RATE, PERCENT .. 48.1 2.19

Respectfully submitted,

GANNETT FLEMING VALUATION
AND RATE CONSULTANTS, LLC

JOHN J. SPANOS
President

Exhibit No. PSNH-5

Projected Accumulated Reserve and Net Book Value

Public Service Company of New Hampshire

**PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE
SEACOAST**

Exhibit No. PSNH-5
Page 1 of 2

357.00 UNDERGROUND CONDUIT (a)	Original Rate
Plant Balance - May 2020	\$ 150,409
Plant Additions To In Service - 2020 (Post May 2020)	\$ 12,996,148
Less Depreciation Expense - 2020	\$ (169,032)
Plant Additions To In Service - 2021	\$ 253,567
Less Depreciation Expense - 2021	\$ (317,033)
Plant Additions To In Service - 2022	\$ (8,832)
Less Depreciation Expense - through 12/31/2022	\$ (310,997)
Net Book Value - December 2022	<u>\$ 12,594,229</u>

358.00 UNDERGROUND CONDUCTORS AND DEVICES (a)	
Plant Balance - May 2020	\$ 19,283,912
Plant Additions To In Service - 2020 (Post May 2020)	\$ 3,352,233
Less Depreciation Expense - 2020	\$ (291,045)
Plant Additions To In Service - 2021	\$ (209,813)
Less Depreciation Expense - 2021	\$ (522,430)
Plant Additions To In Service - 2022	\$ (1,340)
Less Depreciation Expense - through 12/31/2022	\$ (521,282)
Net Book Value - December 2022	<u>\$ 21,090,236</u>

Note (a): The above reflects charges/credits to the project post-in-service date; the Group Depreciation methodology was used.

**PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE
SEACOAST**

Exhibit No. PSNH-5
Page 2 of 2

357.00 UNDERGROUND CONDUIT (a)

Original Rate

		May-20	Dec-20	Dec-21	Jun-22	Sep-22	Dec-22
Plant Balance	\$	150,409	\$ 13,146,557	\$ 13,400,124	\$ 13,391,292	\$ 13,391,292	\$ 13,391,292
Less Accumulated Reserve - Depreciation	\$	812	\$ 169,032	\$ 486,066	\$ 630,341	\$ 695,299	\$ 797,063
Net Book Value	\$	149,597	\$ 12,977,524	\$ 12,914,058	\$ 12,760,951	\$ 12,695,993	\$ 12,594,229

358.00 UNDERGROUND CONDUCTORS AND DEVICES (a)

		May-20	Dec-20	Dec-21	Jun-22	Sep-22	Dec-22
Plant Balance	\$	19,283,912	\$ 22,636,145	\$ 22,426,332	\$ 22,424,993	\$ 22,424,993	\$ 22,424,993
Less Accumulated Reserve - Depreciation	\$	104,076	\$ 291,045	\$ 813,475	\$ 1,055,566	\$ 1,164,344	\$ 1,334,757
Net Book Value	\$	19,179,835	\$ 22,345,100	\$ 21,612,857	\$ 21,369,427	\$ 21,260,648	\$ 21,090,236

Note (a): The above reflects charges/credits to the project post-in-service date; the Group Depreciation methodology was used.

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Public Service Company of New Hampshire
Appendix D to Attachment F of the ISO New England OATT
Depreciation and Amortization Rates

Line No.	FERC Account Number	FERC Account Description	Annual Rate Percentage
<u>I. Transmission Plant</u>			
1	350	Land and Land Rights	0.00%
2	352	Structures and Improvements	1.51%
3	353	Station Equipment	1.98%
4	354	Towers and Fixtures	1.46%
5	355	Poles and Fixtures	2.36%
6	356	Overhead Conductor and Devices	2.49%
7	357	Underground Conduit	1.73%
8	358	Underground Conductors and Devices	2.19%
9	359	Roads and Trails	1.37%
<u>II. General Plant</u>			
10	389	Land and Land Rights	0.00%
11	390	Structures & Improvements	1.40%
12	391	Office Furniture & Equipment	4.53%
13	392	Transportation Equipment	9.48%
14	392	Class 1 Car	14.29%
15	392	Class 2 Light Trucks	12.50%
16	392	Class 3 Medium Trucks	11.11%
17	392	Class 4 Heavy Trucks	10.00%
18	392	Class 5 Rolling Equipment	8.33%
19	392	Class 6 Trailers	6.67%
20	392	Electric Vehicle Charge Station	20.00%
21	392	Fleet Vehicles	33.33%
22	393	Stores Equipment	6.91%
23	394	Tools, Shop & Garage Equipment	5.78%
24	395	Laboratory Equipment	3.62%
25	396	Power Operated Equipment	10.00%
26	397	Communication Equipment 5 Year Life	20.00%
27	397	Communication Equipment Microwave	6.09%
28	397	Communications Equipment	6.09%
29	398	Miscellaneous General Equipment	10.56%
30	399	Other Tangible Property	0.00%
<u>III. Intangible Plant</u>			
31	303	3 Year Life Intangible Plant	33.33%

Public Service Company of New Hampshire
Appendix D to Attachment F of the ISO New England OATT
Depreciation and Amortization Rates

Line No.	FERC Account Number	FERC Account Description	Annual Rate Percentage
32	303	5 Year Life Intangible Plant	20.00%

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Public Service Company of New Hampshire
Appendix D to Attachment F of the ISO New England OATT
Depreciation and Amortization Rates

Line No.	FERC Account Number	FERC Account Description	Annual Rate Percentage
<u>I. Transmission Plant</u>			
1	350	Land and Land Rights	0.00%
2	352	Structures and Improvements	1.51%
3	353	Station Equipment	1.98%
4	354	Towers and Fixtures	1.46%
5	355	Poles and Fixtures	2.36%
6	356	Overhead Conductor and Devices	2.49%
7	357	Underground Conduit	1.73%
8	358	Underground Conductors and Devices	2.19%
97	359	Roads and Trails	1.37%
<u>II. General Plant</u>			
108	389	Land and Land Rights	0.00%
119	390	Structures & Improvements	1.40%
1240	391	Office Furniture & Equipment	4.53%
1344	392	Transportation Equipment	9.48%
1442	392	Class 1 Car	14.29%
1543	392	Class 2 Light Trucks	12.50%
1644	392	Class 3 Medium Trucks	11.11%
1745	392	Class 4 Heavy Trucks	10.00%
1846	392	Class 5 Rolling Equipment	8.33%
1947	392	Class 6 Trailers	6.67%
2048	392	Electric Vehicle Charge Station	20.00%
2149	392	Fleet Vehicles	33.33%
2220	393	Stores Equipment	6.91%
2324	394	Tools, Shop & Garage Equipment	5.78%
2422	395	Laboratory Equipment	3.62%
2523	396	Power Operated Equipment	10.00%
2624	397	Communication Equipment 5 Year Life	20.00%
2725	397	Communication Equipment Microwave	6.09%
2826	397	Communications Equipment	6.09%
2927	398	Miscellaneous General Equipment	10.56%
3028	399	Other Tangible Property	0.00%
<u>III. Intangible Plant</u>			
3129	303	3 Year Life Intangible Plant	33.33%

Public Service Company of New Hampshire
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Depreciation and Amortization Rates

Line No.	FERC Account Number	FERC Account Description	Annual Rate Percentage
32 30	303	5 Year Life Intangible Plant	20.00%