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February 9, 2018

M. Kathryn Sedor, Hearing Officer  
Department of Public Utilities  
One South Station  
Boston, MA 02110

Re: NSTAR Electric Company, D.P.U. 14-03

Dear Ms. Sedor:

Please find enclosed the post-construction compliance filing of NSTAR Electric Company d/b/a Eversource Energy to the Department of Public Utilities in the above-referenced proceeding.

I have also enclosed a Certificate of Service. Thank you for your attention to this matter.

Very truly yours,



David S. Rosenzweig

Enclosures

cc: Service List

**COMMONWEALTH OF MASSACHUSETTS  
DEPARTMENT OF PUBLIC UTILITIES**

\_\_\_\_\_) )  
Petition of NSTAR Electric Company Pursuant to ) )  
G.L. c. 40A, § 3 for Zoning Exemptions from the ) ) D.P.U. 14-03  
Zoning Bylaws of the Town of Mashpee ) )  
\_\_\_\_\_)

**CERTIFICATE OF SERVICE**

I certify that I have this day served the foregoing upon the Department of Public Utilities and the Service List in the above-docketed proceeding in accordance with the requirements of 220 C.M.R. § 1.05.



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Erika J. Hafner, Esq.  
Keegan Werlin LLP  
99 High Street, 29<sup>th</sup> Floor  
Boston, MA 02110  
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Dated: February 9, 2018

**MASHPEE SUBSTATION MODIFICATION PROJECT**

**D.P.U. 14-03**

**NSTAR Electric Company d/b/a Eversource Energy**

**90 Day Post-Project Completion Compliance Report**

**February 9, 2018**

On April 13, 2015, the Department of Public Utilities (“Department”) issued a Final Order (the “Order”) in connection with the NSTAR Electric Company (“NSTAR,” or the “Company”)<sup>1</sup> Mashpee Substation Modification Project (the “Project”). The Project consisted of the expansion and upgrade of the Company’s existing Mashpee Substation No. 946 (“Substation”) located at 21 Orchard Road in Mashpee. Specifically, the Company expanded the Substation site from approximately 30,000 square feet to approximately 60,000 square feet and upgraded the existing equipment in the following manner: (1) installed a second 30/40/50 MVA 115-kilovolt (“kV”) to 23-kV transformer; (2) installed a second 23-kV bus section for four 23-kV feeders, and a 4.8-MVAR switched capacitor bank; (3) replaced the existing open 23-kV bus with enclosed, metal-clad switchgear; (4) added an auto-bus restoral scheme; (5) installed a new control center; (6) relocated one existing 23-kV distribution feeder, to connect to the new 23-kV bus section; (7) constructed a new 23-kV feeder underground to Orchard Road, to serve local load on Route 28; and (8) replaced the existing 115-kV arrangement (one transformer tapped off of Line 136) with a 115-kV bus with two 115-kV circuit breakers, to sectionalize Line 136 between the Falmouth Tap and the West Barnstable Substation).<sup>2</sup> Among other conditions, the Department’s Order provides:

That within 90 days of Project completion, NSTAR submit a report to the Department documenting compliance with all conditions contained in this Order, noting any outstanding conditions yet to be satisfied and the expected date and status of such resolution[.]

As of June 20, 2017, the Substation was energized and placed in service and as of October 13, 2017, all Project construction, including the completion of enhanced landscaping in the vicinity of the access road entrance from Orchard Road, was completed. The following documents the Company’s compliance with all conditions contained in the Order.

**1. That NSTAR submit to the Department as a compliance filing the final NHESP determination regarding the potential for Project impacts on rare and endangered species, once the NHESP determination is issued.**

By letter dated April 27, 2015, the Company submitted to the Department a copy of the determination by the Natural Heritage & Endangered Species Program of the Massachusetts Division of Fisheries & Wildlife that the Project will not result in a prohibited “take” of state-listed species.

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<sup>1</sup> NSTAR Electric Company is now doing business as Eversource Energy (“Eversource”).

<sup>2</sup> Also as part of the Project, the Company installed foundations on the 115-kV side of the Substation to eventually support six circuit breakers in a future breaker-and-a-half scheme; the Project included installation of only two of the circuit breakers.

- 2. That NSTAR install a 20-foot high three-sided sound wall, to the south, east and west of the two transformers: the Proposed Transformer and the Existing Transformer.**

The Company installed a 20-foot high three-sided sound wall, to the south, east and west of the two transformers at the Substation.

- 3. That NSTAR limit Project construction to Monday through Friday from 7:00 a.m. to 5:00 p.m., with the exception of activities that require continuous construction. Should the Company need to extend construction work beyond these hours or days, the Company is directed to seek written permission from the relevant Town authority prior to the commencement of such work and to provide the Department with a copy of such permission. If the Company and Town officials are not able to agree on whether such extended construction hours should occur, the Company may request prior authorization from the Department.**

All Project construction was performed between 7:00 a.m. and 5:00 p.m. on a Monday through Friday schedule, with the exception of activities that required continuous construction. Please see Attachment A for a copy of correspondence from the Town acknowledging notice of continuous work activities.

- 4. That NSTAR update the Substation landscaping plan to include increased landscaping in the vicinity of the access road entrance from Orchard Road, to help screen the views from homes southeast of the Project site. If the Company finds that adequate visual mitigation is not possible in this vicinity due to restrictions found in the NSTAR [Vegetation Management Plan (“VMP”)] associated with the ROW, the Department directs the Company to work with the affected abutters to the southeast of the Project to provide off-site mitigation.**

On June 18, 2015, the Company provided a compliance filing with an updated landscaping plan containing additional plantings to screen views of the Substation from various abutters. On September 10, 2015, the Company filed a letter responding to the Presiding Officer’s questions with regard to that landscaping plan. Consistent with the Presiding Officer’s subsequent directive issued in her September 25, 2015 letter to the Company, enclosed as Attachment B is the Affidavit of Coleman Geary, (1) certifying that, as of October 13, 2017, the Company has completed the installation of the plantings associated with the Company’s Substation landscaping plan; and (2) updating the Department on the results of discussions with abutting homeowners regarding off-site landscaping and other visual mitigation. The Company contacted affected abutters to the southeast of the Substation to discuss additional mitigation. Abutters at 2 Strawberry Lane requested five to six junipers (or similar plantings) to mitigate the view of the substation from this location. The Company agreed to provide such plantings. Additionally, affected abutters to the southeast of the Project were concerned that the paved apron installed at the Substation entrance was causing erosion to their shared driveway just south of on Orchard Road. After meeting with these customers, Eversource agreed on a solution the Company’s civil contractor re-graded the shared driveway.

5. **That NSTAR, in consultation with the Town, develop a community outreach plan for Project construction and operation. The outreach plan should, at a minimum, lay out procedures for providing prior notification to affected residents of: (a) the scheduled start, duration, and hours of construction; (b) any construction that must take place outside the hours or days indicated below; (c) any operation the Company intends to conduct that could result in unexpected community impacts due to unusual circumstances; and (d) complaint and response procedures including contact information.**

The Company developed a community outreach plan for Project construction and operation in consultation with the Town of Mashpee in accordance with the Order.

6. **That NSTAR ensure: (1) that all diesel-powered non-road construction equipment with engine horsepower ratings of 50 and above to be used for 30 or more days over the course of the Project construction will have USEPA-verified or equivalent emission control devices installed; and (2) that all vehicle idling be limited, generally to five minutes, in accordance with the Massachusetts anti-idling law and regulations.**

No diesel-powered non-road construction equipment with engines rated at 50 horsepower and above have been used at the Project to date. All vehicle idling has been limited, generally, to five minutes in accordance with MassDEP regulations.

7. **That NSTAR inform the Department if it adds additional SF<sub>6</sub> to any equipment at the Substation or replaces any equipment at the Substation due to SF<sub>6</sub> loss within five years of the completion and initial operation of the Project, after which time the Company will consult with the Department to determine whether the Department will require continuing reporting, as deemed appropriate.**

No additional SF<sub>6</sub> has been added to any equipment at the Substation. The Company has not replaced any equipment at the Substation due to SF<sub>6</sub> loss. The Company will consult with the Department within five years of the completion and initial operation of the Project to determine whether the Department will require continuing reporting.

8. **That NSTAR confer with all relevant air safety authorities and conform to any height restrictions or other requirements imposed by those authorities regarding the Project.**

The Company conferred with the relevant air safety authorities, and no height restrictions or other requirements were imposed by those authorities regarding the Project.

9. **That NSTAR use herbicides approved by the Massachusetts Department of Agricultural Resources for use in Sensitive Areas, at a minimum.**

The Company used no herbicides during the course of the Project.

- 10. That NSTAR and its contractors and subcontractors comply with all applicable federal, state and local laws, regulations and ordinances for which the Company has not received an exemption, including those pertaining to noise, emissions, herbicides, and hazardous materials.**

The Company and its contractors and subcontractors have complied with all applicable federal, state and local laws and regulations for which the Company has not received an exemption, including those pertaining to noise, emissions, herbicides and hazardous materials.

- 11. That NSTAR obtain all other governmental approvals necessary for the Project.**

The Company obtained all governmental approvals necessary for the Project.

- 12. That NSTAR and its successors in interest notify the Department of any significant changes in the planned timing, design, or environmental impacts of the Project so that the Department may decide whether to inquire further into a particular issue.**

On January 13, 2016, the Company notified the Department that, in order to facilitate the delivery of the control house and the new transformer to the Substation site, the Company determined that minor, temporary upgrades to the existing access road were required. By email dated January 15, 2016, the Presiding Officer notified the Company that no further inquiry was required with regard to the access road modifications. Subsequently, the Company also notified the Department that portions of the construction schedule associated with the Project were further delayed because of outage schedule restrictions over the summer construction period, ongoing discussions with abutters and the Town, as well as construction delays.

- 13. That because the issues addressed in this Order relative to this Project are subject to change over time, construction of the Project commence within three years of the date of this Order.**

Construction of the Project was commenced within three years of the date of the Order.

- 14. That the Secretary of the Department transmit a certified copy of this Order to the Town of Mashpee, and that NSTAR serve a copy of this Order on the Mashpee Board of Selectmen, the Mashpee Planning Board and the Mashpee Zoning Board of Appeals within five business days of its issuance and certify to the Secretary of the Department within ten business days of its issuance that such service has been accomplished.**

The Order was issued on April 13, 2015. On the next business day, April 14, 2015, the Company served a copy of the Order on the Mashpee Board of Selectmen, the Mashpee Planning Board and the Mashpee Zoning Board of Appeals. On April 17, 2015, the

NSIAR Electric Company d/b/a Eversource Energy  
Mashpee Substation Modification Project, D.P.U. 14-03  
90-Day Post Project Completion Compliance Report  
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Company certified to the Secretary of the Department that such service had been accomplished.



**From:** Jerome P. McDermott  
**To:** [Coleman P. Geary Jr.](#); [Kathleen M. Shanley](#); [Erika Hafner](#); [David Rosenzweig](#)  
**Cc:** [Dennis Galvam](#)  
**Subject:** Fwd: Orchard Road Station  
**Date:** Thursday, February 08, 2018 12:38:33 PM  
**Attachments:** [image001.png](#)

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See below.

Get [Outlook for Android](#)

From: Christine Willander  
Sent: Thursday, February 8, 11:43 AM  
Subject: Orchard Road Station  
To: Jerome P. McDermott

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Good Day Mr. McDermott,

On behalf of the Town Manager, I would like to thank you for your diligence in communicating with our office over the course of construction at the Orchard Road site in Mashpee. You were purposeful in keeping us abreast of the status of the project, as well as informing our office of extended hours. While we were glad we did not have any resident complaints/concerns to report to you, your visit following those two round-the-clock work days in late July 2017 was particularly appreciated.

Again, thank you for your periodic calls and visits, and for leaving your business card in the event we needed to reach you.

**Christine A. Willander** | Administrative Secretary  
Office of the Town Manager  
16 Great Neck Road North, Mashpee, MA 02649  
Office: 508.539.1401 | Fax: 508.539.1142



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**COMMONWEALTH OF MASSACHUSETTS  
DEPARTMENT OF PUBLIC UTILITIES**

) ) Petition of NSTAR Electric Company Pursuant to ) G.L. c. 40A, § 3 for Zoning Exemptions from the ) Zoning Bylaws of the Town of Mashpee ) )	D.P.U. 14-03
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**AFFIDAVIT OF COLEMAN GEARY**

Coleman Geary does hereby depose and say as follows:

1. I, Coleman Geary, on behalf of NSTAR Electric Company d/b/a Eversource Energy (the “Company”), certify that, as of October 13, 2017, the Company completed the installation of the plantings associated with the Company’s Mashpee Substation No. 946 (“Substation”) landscaping plan that was depicted as Attachment A(1) to the Company’s September 10, 2015 letter to the Department of Public Utilities (“Department”).
2. In addition, the Company held several discussions with abutting homeowners regarding off-site landscaping or other visual mitigation. The table below provides the name and address of each homeowner with whom the Company has discussed additional visual mitigation and the outcome of those discussions. There were no abutting homeowners with whom the Company did not hold such a discussion.

Name and Address of Homeowner	Date of Discussion	Outcome of Discussion
Mr. and Mrs. Frauton 2 Strawberry Lane Mashpee, MA	May 26, 2017	The Company agreed to plant five to six junipers on the edge of their property to mitigate views of the Substation. These plantings were installed on October 13, 2017.
Paul Martin, Bob Martin, Patricia Canino, Nitana Hicks  43, 45, 47, and 49 Orchard Rd. Mashpee	August 17,2017	The customers in attendance agreed that the plantings were sufficient. They additionally requested that the Company weed and clean the planting beds, which was done on October 13, 2017. They also expressed concern that the paved apron that had been installed at the station entrance had changed the

		water flow along Orchard Road, causing erosion at the entrance to their shared driveway. Eversource agreed to add material and grade the driveway to solve the issue. The work was completed on August 21, 2017.
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3. To the best of my knowledge and belief, all known abutter concerns regarding visual mitigation for the Project have been addressed.
4. This certification is being provided in satisfaction of the Presiding Officer's directive as set forth in her September 25, 2015 letter to the Company.

**SIGNED UNDER THE PAINS AND PENALTIES OF PERJURY THIS 9<sup>th</sup> DAY OF February, 2018.**

*Coleman P. Geary*

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Coleman Geary