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Environmental Law ■ *Utility Law*

July 31, 2017

VIA HAND DELIVERY AND EMAIL

Pamela Monroe, Administrator
New Hampshire Site Evaluation Committee
c/o New Hampshire Public Utilities Commission
21 South Fruit Street, Suite 10
Concord, NH 03301-2429

Re: SEC Docket No. 15-04
Eversource Seacoast Reliability Project
Pre-Filed Direct Testimony of Donna Heald

Dear Administrator Monroe:

Enclosed please find for filing is the pre-filed direct testimony of Donna Heald in this matter. Copies are being provided to the electronic service list in this docket.

If you have any questions, please do not hesitate to contact me at (603) 219-4911.

Very Truly Yours,

A handwritten signature in black ink that reads "Marcia A. Brown".

Marcia A. Brown

cc: Docket No. 15-04 Service List (via electronic delivery)

THE STATE OF NEW HAMPSHIRE

BEFORE THE

SITE EVALUATION COMMITTEE

DOCKET NO. 20-15-04

Pre-Filed Testimony of Donna Heald

July 31, 2017

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1 **PERSONAL BACKGROUND**

2 Q. Please state your name and property address.

3 A. My full legal name is Donna M. Heald McCosker, however, for simplicity sake and
4 preference, I only go by Donna Heald. I reside at 220 Longmarsh Road in Durham, New
5 Hampshire. My property is also known as Durham tax map 16, block 10, Lot 4.

6 Q. Please state your education and employment background.

7 A. Following an early career in marketing, advertising, and public relations, I moved to New
8 Hampshire in 1979 to raise a family. I have a Bachelor of Fine Arts, *magna cum laude*, from the
9 University of New Hampshire (“UNH”). I have also earned a Master Gardener designation from
10 UNH. I have completed many professional courses and workshops in my fields as both an artist
11 and horticulturalist and have been an employee and self-employed in both fields. I have worked
12 as a propagator for a wholesale perennial nursery. I am involved with several garden clubs. I am
13 involved in judging at the American Daffodil Society Show at the Tower Hill Botanical Garden.
14 I have been a plant conservation volunteer with the New England Wildflower Society. I have
15 taught numerous workshops at garden clubs.

16 Q. Please describe your present business.

17 A. I am presently self-employed as a professional gardener. Some of my many clients on
18 the garden design and maintenance side of my business are nationally-known (garden historians,
19 garden writers, hybridizers, landscape designers) and have influenced how my business is
20 evolving. As my clients have downsized and retired, they have passed to me many rare, unusual,
21 and little-known plants and cultivars. I have been propagating these and use them in my
22 business. See Attachment DH-A. In addition, as I lose these clients, I am migrating my garden
23 maintenance business activities to do more gardening consultation and with the further goal of

1 selling through select farmer's markets. My plant stock for my business is different than what is
2 generally out there. For example, my containers include unique perennials accented by annuals
3 and garden sculpture.

4 **DESCRIPTION OF PROPERTY**

5 Q. Please briefly describe the character of your property.

6 A. My property is bounded by stone walls on the north side of the property. Sections are
7 heavily wooded and other sections slope down to a wetland. The wooded nature of my property
8 provides ample privacy. Indeed, the Town of Durham has prohibited me from cutting trees
9 within 100 feet of the property line along Longmarsh Road. The variety of habitat also attracts
10 deer, copious birds (my property is among one of the highest bird count properties in the State),
11 turtles, and other animals. The portion of my property with sunlight provides excellent growing
12 conditions for my business. Longmarsh Road is rural. It is a dead-end, unpaved Class 5 road
13 that becomes a Class 6 road at the point where the road crosses the middle of the Eversource
14 easement.

15 Q. Are you familiar with the Eversource's Seacoast Reliability Project ("Project")?

16 A. Yes.

17 Q. Please describe Eversource's easement in relation to your property.

18 A. The easement lies along the eastern boundary of my property. Years ago, I subdivided
19 my property and sold the lot east of the easement.¹ The boundary of my property is generally as
20 shown on Sheet 15 of 28 on the Environmental Maps, Amended Appendix 2a of the Project

¹ Subdivision Plan for John F & Donna M. McCosker, Dated June 4, 1979 and recorded September 7, 1979 as Plan No. 19A-35 in Strafford County Registry of Deeds. As a condition of the subdivision approval, the applicant is prohibited from clearing "back 100' from Longmarsh Road" and there is a 100' set back requirement for any building from the road.

1 application. But I would like to point out that the white boundary line shown on the map does
2 not follow the easterly line of the easement, this is incorrect. The white line should follow the
3 easement for the middle third of my lot. In summary, my property extends to the east of the
4 easement along Longmarsh Road and then follows the easterly edge of the easement and then at
5 a point where my neighbor's property ends, my boundary extends east of the easement behind
6 the next two neighbors' property. A significant portion of my land is east of the easement. My
7 house is located to the west of the easement. My water line and electricity run from the well,
8 diagonally across the full width of Eversource's easement, to my house.

9 Q. Please describe what utility structures you see on the easement.

10 A. There are two wooden poles on my property. They are shown as white triangles on Sheet
11 15 of 28 on the Environmental Maps. The poles are also seen from the middle of the easement
12 looking north and south as shown in Attachment DH-1. Eversource periodically cuts the trees
13 within the easement which means the easement contains bushes, cedar trees (which Eversource
14 trims at the top) and lower vegetation. The lack of trees in this area provides beneficial sunlight
15 for the plant and nursery stock for my business. The existence of my plant and nursery stock
16 also keeps the trees from growing within the easement.

17 **SUMMARY OF CONCERNS**

18 Q. Please summarize your concerns about the impact of the proposed Project.

19 A. I am concerned about the following adverse impacts of the Project:

- 20 1. That the project will damage my plant business;
- 21 2. That I may be without water during construction because the easement runs
22 between my well and house;

1 3. That during construction I have been told that I will not be able to cross the
2 easement to reach my property on the east side of the easement;

3 4. That I be notified in advance of when crews will be on my property at all times;

4 5. That Eversource is unnecessarily locating poles close to my house;

5 6. That screening options for the poles, in particular F-107-90 that is proposed to be
6 110 feet from the corner of my house, do not screen the pole from view of my house;

7 7. That the Project will reduce the value of my property;

8 8. That the sounds from the power lines will interfere with the peaceful nature of my
9 home; and

10 9. That the increase in power being transmitted over the easement will be harmful to
11 my health and that it will interfere with my ability to listen to my radio and use other electronics.

12 **ADVERSE IMPACT OF PROJECT ON BUSINESS**

13 Q. Can you please explain the gardening business you conduct at your residence?

14 A. As a self-employed professional gardener, I grow plant and nursery stock on my
15 property. Nursery stock are plants that are ready for market and plant stock is everything else
16 such as plants used in propagation, for roots, and cuttings. By way of further example, many
17 nurseries are not growers. I, however, conduct both activities on my property. Much of this
18 stock is located within the easement section of my property. Most of the stock is planted in the
19 ground and the remaining stock is in pots.

20 Q. Please describe the extent of your stock.

21 A. I have an extensive array of horticulture, both shade and sun plants in cultivation on my
22 property. They include bulbs and tubers, ephemerals, perennials, annuals, shrubs, and small
23 trees. I propagate by seed, division, soft and hard wood cuttings, layering, hybridizing, and

1 selection within cultivars. (A cultivar is a named variety of a plant.) I have plants in pots and in
2 the ground. I have foraged and gardened on my property for 38 years. I grow for food,
3 medicinal purposes and for landscaping. I have planted blueberries, raspberries, blackberries,
4 rhubarb, ferns, mushrooms, plants for pollinators, plants for beauty (pasture roses, Spirea,
5 Echinacea, Asters, Monarda (Bee Balm), Rudbeckia, Lambs Quarters, and Purslane.) The list of
6 varieties goes on and is extensive.

7 **PLANT AND NURSERY STOCK VALUE**

8 Q. If you had to buy the plant or nursery stock you have, can you estimate how much that
9 would cost?

10 A. Yes, but first, I need to explain how many plants I have and their various stages of
11 growth. As noted above, I have a variety of plant types and sizes. They are also generally in
12 much better health than the plants sold at department or home-building stores. Some plants are
13 difficult to find for purchase due to their uniqueness. I have about 150 varieties of daylilies and
14 they are all named cultivars. I also have Marylyniana and Marty Wray named cultivars that are
15 not found in trade, that is, no one else is presently growing them for the market. For these plants,
16 it is difficult to assign a value because they are not found in the market. In addition, I have over
17 100 named daffodil types. I have approximately 125 varieties of Hostas; about 50 varieties of
18 Sedum and succulents; about 40 varieties of Allium; hundreds of Dahlias (unnamed tubers from
19 which I am selecting stock to hybridize); about 40 varieties of Astilbes; many varieties of
20 Rudbeckias, Hydrangeas, ground covers, roses, ornamental grasses, climbing vines, and Asters.
21 The list goes on.

22 That said, an example of the number of plants I can propagate is as follows: each season, I dig
23 up a clump of the plant stock from the ground. I divide it so that every plant is a single root

1 system and is very healthy. I then plant three roots in a one-quart container. In year-one, I will
2 fill an 8-pot plant tray with three roots in each pot. In year two, I replant those pots by dividing
3 the three plants per pot into individual pots. That way, in year two, I now have 24 pots of plants
4 that are market size.

5 To value the plants, for example, from the Van Berkum Nursery in Deerfield, New Hampshire,
6 common, basic plants in wholesale quantities would cost about \$6.00. Using that pricing, my
7 example of 24 pots of plants would be valued at \$144.00. NH Hostas sells a basic, everyday
8 Hosta variety in a 3-inch pot for about \$9.50, retail. Some pots could be priced at about \$20 per
9 pot but for the rare and unique plants that I am propagating, and if sought by a collector, the
10 price can be much higher still. Using the \$9.50 to \$20.00 pricing, my 24-pot example would cost
11 \$228.00 to \$480. At Rolling Green in Greenland, New Hampshire market size two-quart plants
12 would retail for about \$12.00 to \$16.00. Using that pricing, my 24-pot example would cost
13 \$288.00 to \$384.00. Keep in mind that any of these prices can be much higher. A rare or unique
14 plant sought by a collector for a show can go for \$1,200. A newly introduced daylily can go for
15 \$100 to \$300 per fan. This is why some of my plant stock is near priceless due to its rarity.
16 Eversource needs to understand this. In conclusion, a firm figure of the value of my plant and
17 nursery stock is difficult to determine without knowing the season, extent of damage, and
18 duration of the Project. Once I know more specifics of a proposed relocation and construction
19 season, I can provide a more detailed valuation estimate.

20 **INTERRUPTION TO GARDENING BUSINESS ACTIVITIES**

21 Q. Do you believe the Project will impede your ability to conduct your gardening business?

22 A. Yes, very much so. There are aspects of my business that will be adversely impacted by
23 the Project that are beyond just the value of my plant and nursery stock. First, I have to work

1 around Eversource for possibly a year and that will disrupt my ability to work efficiently. That
2 will take hours away from the gardening design and maintenance activities I do for my clients
3 and set me back the duration of the Project construction. Everything will be inconvenient such
4 as my irrigation hoses and plant locations. It will take time away from propagating my plants.
5 This will not only delay the maturation of my plants but will also delay the expansion of my
6 plant stock because I will not be able to propagate the plants in a timely manner. As a
7 professional gardener, I am aware that it would be unwise to divide plants in advance of being
8 relocated because the plants would be stressed twice. A second aspect is if I do not have access
9 to my plant stock, I will have to find other plants to put in the gardens or containers I create.
10 These inefficiencies and reduction in the quality of my gardening will adversely impact my
11 ability to conduct my gardening design, maintenance, and propagation business activities. These
12 adverse impacts are difficult to value at this time due to the unknown extent and length of
13 Eversource's disruption.

14 **PROPERTY DAMAGE**

15 Q. From what you are aware of the Project, do you believe it will adversely affect your
16 property?

17 A. Yes.

18 Q. Please explain.

19 A. I understand that construction of the Project will involve heavy equipment within the
20 easement. As stated above, many of my plants are located within the easement. I am concerned
21 that the heavy equipment will compress the soil, cause ruts, damage the soil, and damage my
22 plants. Compressed or rutted soil is not conducive to good growing conditions. Compression
23 and rutting can also physically destroy my plants. My concern is from past experience with

1 Eversource. Past tree clearing activity by Eversource has compressed and rutted my soil. With
2 the Project being much more extensive than mere tree clearing, I am concerned that the damage
3 will be far greater. Even though Eversource has designated certain areas as Work Pads and other
4 areas for just tree clearing, I am concerned that equipment traversing the easement to reach the
5 Work Pads will cause damage.

6 **MOVING PLANT STOCK**

7 Q. Do you have any suggested mitigation measures to address your concerns?

8 A. Yes. I suggest my plants and nursery stock be moved prior to construction. The plants
9 that are in pots can be moved easier than the plants in the ground. The plants that are in the
10 ground will need to be dug up and temporarily relocated. The plants are sensitive to being
11 trampled and can't simply be left in place like a hayfield can be left in place during power line
12 construction.

13 Q. Are there complications with this mitigation measure?

14 A. Yes. Eversource does not know in what growing season or over how many seasons the
15 construction will occur or how long the plants will need stay relocated. These variables make it
16 difficult for me to plan ahead and start moving plants myself as I rotate and propagate plant
17 stock. Plants that are dormant during the winter require different care than plants in full summer
18 bloom. If the construction is during the summer, sun-loving plants cannot tolerate shade and I
19 have no other sun-filled location on my property. If construction is during the growing season, I
20 would need to hire someone to cut a clearing to relocate the plants to but in doing so, I cannot
21 guarantee that all of the plants would tolerate the move. Cutting a clearing is also not ideal
22 because I would lose the wooded buffer that shades my house and shade plants and provides
23 privacy from my neighbor's property. The clearing would also be farther from my house

1 because of the Town's 100-foot clearing restriction. If I knew more about when the construction
2 will take place and how long it will disrupt my property and business, I could suggest more
3 specific mitigation measures.

4 Q. Are there complications with this mitigation measure due to the rarity, type, and volume
5 of your plants, shrubs, and trees?

6 A. Yes. As I stated earlier, some of these plants are rare and they cannot be easily replaced.
7 Another concern is the sheer volume of plants that I have generated over 38 years. Those will
8 take a great deal of time to relocate and a great deal of sunny space to relocate them to.

9 Q. Do you have other concerns about the Project's impact on your business and property?

10 A. Yes. I understand Eversource will be clearing trees, bushes, and shrubs from the
11 easement and this will remove the visual screening of my plant stock from Longmarsh Road.
12 The screening is important to keep my plant stock from the view of passers-by. My concern is
13 that my business will no longer be shielded from view and, therefore, theft.

14 Q. Do you have a suggested mitigation measure for shielding?

15 A. Yes. I suggest that Eversource plant small trees and large shrubs along Longmarsh Road
16 that are equivalent to the size of trees and shrubs that currently exist in order to adequately
17 screen my plants from public view. I also suggest that Eversource leave the slow-growing cedars
18 and continue to trim the tops to bolster the screening from the road. These cedars provide good
19 visual screening at present and are also high-quality bird habitat.

20 Q. Has Eversource offered mitigation measures to address damage to your plant stock?

21 A. Yes, as explained in Eversource's response to discovery request DR 1-1, page 6, "3.
22 Impact to Gardening Business in the Right-of-way", Eversource has proposed to either

1 temporarily or permanently move the plants to an area it will clear 10 feet along the edge of the
2 right-of-way. See Attachment DH-2.

3 Q. Would this satisfy your concerns?

4 A. No. The area Eversource has proposed does not get sufficient sunlight to support proper
5 plant growth. Therefore, I would not expect my plant stock to survive.

6 Q. Do you have concerns regarding post-Project restoration?

7 A. Yes. I am concerned that Eversource will revegetate the disturbed areas with invasive
8 species that will compete with my plants or disrupt how I use my property within the easement.
9 Just as a hayfield within an easement should not be revegetated with weeds, my property should
10 equally be returned to its pre-Project use.

11 **WATER SUPPLY CONCERNS**

12 Q. Please describe the water source for your residence and your concern.

13 A. My water supply comes from a well that is located on the east side of my property,
14 behind the lot owned by Nicholas and Amy Covetis. It is a dug well, 12 feet deep. A water line
15 runs between the well and my house along with an electric line to power the well pump. In
16 relation to the easement, it is a long diagonal run through the easement. I have never
17 experienced it run dry even during last years' drought. I use the water for my home and
18 business. During the growing season, my plants require additional watering than what the plants
19 receive from general rainfall. For example, last summer, my plants needed watering twice a day:
20 once in the morning and then again late in the day. I am concerned that if construction of the
21 Project on my property occurs during the growing season and if construction activities within the
22 easement disrupt my water supply from my well, that I will have no means to water my plants or
23 live.

1 Q. Do you know where your water line is?

2 A. Yes, generally. The line runs in a direct line from the well to the corner of my house. I
3 would ask that prior to construction, Eversource determine the exact location of the portion of
4 the line within the easement and that it be well-marked and protected during construction. I
5 recommend the markings of the water supply line be placed high enough to be seen above the
6 tall vegetation. Previous tree trimming work by Eversource has not damaged the line, however,
7 because the Project will involve much more extensive work and heavier equipment, there is a
8 greater potential that the water line will be damaged.

9 Q. Has Eversource offered to address your water supply concerns?

10 A. Sort of. In response to DR 1-2, (attached as Attachment DH-3), Eversource stated that it
11 believed that potential damage to my water supply is unlikely and that contractors will “work
12 cooperatively” to avoid disruptions. It states that if a disruption occurs, I can file a claim. I
13 don’t consider filing a claim as being responsive to my concern, I would like the assurance of
14 having a back-up plan in place prior to construction.

15 Q. What provision would you like put in place to protect against water supply disruptions?

16 A. I request a plan be developed in advance of construction that guarantees that if
17 construction disrupts my water supply, that I will be provided with an immediate source of water
18 sufficient for my home and business use. I will need a source much greater than just bottled
19 water.

20 **ADVANCED NOTICE OF CREWS ON PROPERTY AND ACCESS**

21 Q. Please explain why you are concerned that you be provided with advance notice of when
22 construction crews will be on your property.

1 A. Because my plant business is in the vicinity of the easement and is susceptible to damage,
2 it is imperative that I be provided advanced notice of when people will be on my property. I
3 have experienced past instances of crews damaging plants and soil, cutting trees outside the
4 easement, and stealing garden sculpture. Notice will allow me to rearrange my schedule so that I
5 can be present and inform crews if they stray from the easement or enter areas where I keep my
6 plant stock. Notice is especially important if my plants are being moved from the construction
7 areas. I would also ask that Eversource clearly mark the boundaries of its easement in advance
8 of construction so that work does not stray from the easement.

9 **ACCESS TO OTHER PORTIONS OF PROPERTY DURING CONSTRUCTION**

10 Q. Do you have a concern that you won't be able to access your property during
11 construction of the project?

12 A. Yes.

13 Q. Please explain.

14 A. Eversource has explained that I will be prevented from crossing the easement during the
15 Project. My well is on the east side of the easement. My ornamental bushes for decorative
16 cuttings are on that side of the easement. A stream that I enjoy being by is over there. A
17 significant amount of my property is on the east side of the easement. If I am prevented from
18 crossing the easement during the Project, I will be deprived of a significant portion of property
19 that I own for the duration of the construction. That concerns me.

20 **SOUNDS**

21 Q. You stated that you are concerned about the increased sound coming from the Project,
22 please explain.

1 A. I have lived with the easement on my property for approximately 38 years and enjoy the
2 quiet, natural beauty of the varied habitats. I understand from Eversource's experts that the
3 increased electricity through the Project will add a buzzing sound that does not presently exist. It
4 is also likely that I will hear the buzzing sound in my home if Eversource is allowed to place a
5 pole 110 feet from my house. I am concerned that the buzzing will keep me awake at night,
6 especially in the summer when I have the windows open.

7 **HARM TO MY HEALTH**

8 Q. You have stated that you are concerned about being harmed by the Project, please
9 explain.

10 A. I am concerned that the increased electricity flowing through the easement will increase
11 electromagnetic fields near my home. My home is within the distance Eversource states there
12 will be an effect. This is even more reason why the poles should not be located closer to my
13 home. I am aware that electromagnetic fields are linked to increased allergies, cancers, and sleep
14 disorders.

15 **EXISTING POLE LOCATIONS AND VIEW**

16 Q. Has the location of the Eversource right of way easement changed on your property from
17 the time you first purchased your property?

18 A. No.

19 Q. Have the structures, including poles and wires, within the easement changed since the
20 time you first purchased the property?

21 A. No.

22 Q. Can you see the easement from your home?

1 A. Yes, only in that I can see the sunlight and shrubs within the easement and that low
2 vegetation and sunlight indicates where my woods end and the easement starts on my property.

3 As seen in Attachment DH-4, the orange survey tape marks the edge of the easement.

4 Q. Please describe the existing pole structures that are on your property.

5 A. As seen in the Amended Attachment 2a, Environmental Maps, Map 15 of 28, the existing
6 poles (shown as white triangles) are located away from my home. My home is not shown on the
7 map; however, it is 110 feet south-west of proposed pole number F-107-90 and is somewhat
8 equidistant from the existing poles which, again, are identified as white triangles on Map 15.

9 Q. Can you see the existing poles from your home?

10 A. No.

11 Q. Can you see the existing wires from your home?

12 A. No.

13 Q. Can you see the existing poles from the yard around your home?

14 A. No.

15 Q. Can you see the existing wires from the yard around your home?

16 A. No.

17 Q. Can you see the existing poles from the woods around your home?

18 A. No.

19 Q. Can you see the existing wires from the woods around your home?

20 A. Barely. There are some sections of my woods near the easement where I can see the
21 wires. Generally, I cannot see the wires from my woods.

1 A. As seen on the photos in Attachment DH-1, I need to be standing within the center line of
2 the easement in order to see the existing poles and wires. Even then, I can only see a portion of
3 the poles. They are hidden by the existing trees and large shrubs.

4 Q. Are you able to see the existing structures from anywhere on your property?

5 A. Yes, I can see the existing structures from certain points within the right of way
6 easement. At other points within the easement, I cannot see the existing structures.

7 **PROPOSED POLE LOCATIONS**

8 Q. Please describe the pole structures that Eversource proposes to place on your property.

9 A. According to Eversource, pole number F-107-90 will be located 110 feet from my house
10 at or near the centerline of the easement. Eversource states that it will be 32 inches in diameter
11 and 103 feet tall. The second pole will be 30 inches in diameter and will be 88.5 feet tall. The
12 taller pole will be set 12 feet into the ground. The shorter pole will be set less than that. As
13 shown on Map 15 of 28, the pole will be placed to the right (or south) of one of the existing poles.
14 This will mean that pole number F-107-90 will be 110 feet from the corner of my house. This is
15 closer than either of the existing poles.

16 Q. Did Eversource take into consideration the proximity of your home in the placing of the
17 pole structures?

18 A. At the June 7th technical session, Eversource stated that it located the structures at a
19 macro level and did not consider the proximity of my home because it is not shown on the maps.

20 Q. Do you have any concerns or objections to the poles in the proposed locations?

21 A. Yes. I object to the proposed locations of the proposed poles. If they are placed at their
22 proposed locations, I will now be able to see at least one pole from my home and will be able to
23 see both poles from most locations around my property. I do not like that change. The reason

1 why I am out in the country is to have privacy and to enjoy the diverse natural views. Locating
2 the poles within that view disrupts the view and creates a view different than the one I have
3 enjoyed since purchasing my property.

4 Q. When you purchased your property, were you concerned that there was an electrical
5 easement on your property?

6 A. No, because the pole locations are barely visible on the property and the shrubs within the
7 easement provide a view of a natural open area. At the time I purchased the property, I never
8 imagined that the 1948 easement would allow such large structures to be built, especially
9 through a rural, residential area. The 1948 easement language cites that the easement would be
10 used for typical structures and I expected to see structures that I typically see around the
11 seacoast. I do not consider 100+ foot structures with 32-inch bases to be typical and, in fact,
12 when I asked Eversource to give me the location of a pole such as these so I could get a sense of
13 their size, Eversource explained no such poles exist in New Hampshire. See discovery response
14 DR 1-8 attached as Attachment DH-5.

15 **SCREENING**

16 Q. Can you presently see your neighbor's house across the easement from your home?

17 A. No.

18 Q. After the Project is constructed, will you be able to see your neighbor's home?

19 A. From what I understand of the Project such as pole placement and tree clearing and
20 trimming, yes.

21 Q. Has Eversource offered to mitigate the ability to see its poles and wires from your home?

22 A. Yes.

23 Q. What mitigation measures has Eversource offered?

1 A. In Eversource's response to discovery request DR 1-1, page 6, it proposed trees and
2 shrubs for screening the pole from view of my home. See Attachment DH-2.

3 Q. Please explain what Eversource offered for screening.

4 A. As seen in Attachment DH-2, Eversource's suggested plantings for screening include
5 three 5-foot Hemlock, five 5-foot Yew trees, and assorted 3-foot shrubs. Clearly, after
6 construction, I will see at least the 103-foot pole (F-107-90) and wires from inside my home.
7 Compare that to now, where I have a pleasant view of trees and undergrowth and cannot see any
8 utility structures from my home.

9 Q. Do you have concerns regarding the proposed screening?

10 A. Yes.

11 Q. Please describe your concerns.

12 A. Eversource's planting expert stated at the June 7, 2017 technical session that the Hemlock
13 trees would take 10 to 20 years or longer to mature enough to screen the poles. I do not want to
14 wait 10-plus years for the screening. Also, the location of the plantings is on the north side of
15 the easement which gets less sunlight and will take longer to grow. I know of the slow growth
16 first-hand because a 3-foot Hemlock I planted 12 years ago is still only 5 feet tall and is spindly
17 due to the lack of sun. Because of this experience with the slow growth, I do not expect
18 Eversource's proposed screening to be effective.

19 Q. Do you have suggestions regarding the screening?

20 A. Yes. I recommend more mature trees and shrubs be planted than what Eversource has
21 offered. That will help address the slow-growth concerns. From my experience on the property
22 and as a horticulturalist, the screening really needs to start at about 5 feet and continue up and
23 appear along the easement in more locations than proposed. The screening may also need to

1 extend into my property away from the easement to create proper screening. That is because my
2 neighbor's house is up on higher ground and there is about 80 vertical feet of new visibility that
3 will need to be mitigated.

4 Q. Are you of the opinion that the Project will make it so that you can see your neighbor's
5 house?

6 A. Yes. Eversource stated that the clearing in the easement will make it so that I can see my
7 neighbor's house. This is a concern for me because, without adequate vegetative screening, I
8 will be able to hear the neighbors all year round when they are on their back deck. The
9 vegetation greatly diminishes sound travel.

10 Q. Do you agree with Eversource's consultant, LandWorks, that pole F107-90 on your
11 property will not have an unreasonable adverse effect on the aesthetics of your property?

12 A. No. There are references by LandWorks that efforts have been made to reduce adverse
13 aesthetic effects. LandWorks states that efforts were made to alter locations of poles to reduce
14 potential visual impacts (Raphael Testimony of 4/12/16, page 13, lines 5-7) and that views of the
15 poles will be "limited at best in the residential neighborhoods to the east of Route 108"
16 (LandWorks visual assessment at page 105). Given that my house was not shown on the maps
17 filed with Eversource's application and Eversource's macro planning level, I don't believe Mr.
18 Raphael considered the visual impact from my home or that the trees proposed for the screening
19 would be inadequate for screening in the foreseeable future. I consider being able to see the pole
20 from my home to be an adverse effect on the aesthetics of my property and I consider it to be
21 unreasonable given that I cannot see the existing poles on my property from my home.

22 **IMPACTS TO PROPERTY VALUE**

23 Q. Have you read the pre-filed testimony and report of James Chalmers?

1 A. Yes.

2 Q. Does he state in his testimony that he identified 19 properties whose value is potentially
3 affected?

4 A. Yes, on page 12, lines 11 through 15, he states that but I am not sure if my property is
5 included in that total because it was not shown on the maps prepared by Eversource. Mr.
6 Chalmers goes on to state that some of those 19 properties may or may not experience a market
7 value effect.

8 Q. Were there criteria that you gleaned from Mr. Chalmer's testimony and report that he
9 found to affect the sale price of a home?

10 A. Yes. What struck me as applicable to my property is that his research found that where
11 adverse market effects were found, the home had close proximity to the right of way (i.e., 100
12 feet from the house to the edge of the right of way) and clear visibility of the High Voltage
13 Transmission Line ("HVTL"). He further stated that the market effect usually ranged from 1 to
14 6 percent, although he did not give the actual range in his testimony. Chalmers at page 3, lines
15 11 through 13; Chalmers at page 5; Chalmers at page 12 lines 4 through 6; and Chalmers at page
16 6 lines 13 through 15.

17 Q. Why did you find these criteria relevant?

18 A. Both of the criteria apply to my home. My home is approximately 45 to 50 feet from the
19 easement so it is well within the 100-foot range he cites. I'm also going from not having clear
20 visibility to having clear visibility of at least one pole and the wires, which meets his "clear
21 visibility" criteria. For these reasons, I believe my property falls within the two characteristics
22 he found as causing sale price impacts.

1 Q. Did Mr. Chalmers identify any other causes of an adverse price effect that may apply to
2 your property?

3 A. Yes, in his analysis of subdivisions, he also stated that properties that had a price effect
4 were ones where the easement bisected the property. See, Chalmers Testimony at page 8 of 13
5 at line 21. Eversource's easement bisects my property.

6 Q. Has Eversource proposed a method or means of valuing and compensating homeowners
7 for sale price impacts?

8 A. Not to my knowledge. I have read most, if not all, of the testimony in Eversource's
9 application and I have not come upon any mechanism for compensating homeowners for these
10 diminished property value.

11 **SUGGESTED MITIGATION**

12 Q. Has Eversource suggested measures to mitigate the adverse visual impact of the poles on
13 your property?

14 A. Yes. In response to data request DR 1-1, Eversource offered to relocate the pole either 35
15 feet or 50 feet closer to Longmarsh Road. See Attachment DH-2, Eversource's response to DR
16 1-1, page 6, "4. Pole placement".

17 Q. Do you think Eversource's suggestion resolves your concerns?

18 A. No. I will still be able to see the pole at either location: the proposed location in the
19 application, moving it 50 feet, or moving it 35 feet. This visibility will adversely affect my
20 property value.

21 Q. Do you have a suggested resolution?

22 A. I understand that Eversource located the poles using the maps that do not show the
23 location of my home and that because of the locations of proposed poles on other people's

1 property, Eversource is now limited in the distance it can now place poles on my property. That
2 strikes me as unfair and that I bear the brunt of Eversource's lack of awareness of the location of
3 my house. My preference is that Eversource only place two poles on my property because that is
4 what is on my property now. I also understand that the span between the proposed poles can be
5 much greater than the span between the existing poles. Given that greater span ability,
6 Eversource should be able to locate the proposed poles farther away from my house than the
7 existing poles.

8 Q. Do you have other suggested mitigation alternatives?

9 A. Although not ideal, I suggest Eversource consider putting a third pole on my property.
10 That way, at a minimum, it can offer at least the separation distance between the poles that I now
11 have and that would keep the poles out of view of my home and away from my gardening
12 business. The proposed poles compared to the existing poles on Map 15 of 28 are the same or
13 similar distance apart. As I stated above, at a technical session, Eversource stated that the
14 proposed poles can be spaced further apart. If Eversource puts a third pole near the existing
15 southeasterly pole, it can offer a greater span toward Longmarsh Road that can be out of my
16 view. Eversource has stated that it moved pole number F-107-89 away from Longmarsh Road to
17 improve aesthetics along the road and that it placed another pole to be out of my neighbor's
18 view. I should think that if Eversource can move a pole to improve aesthetics along a Class 6
19 road that certainly a pole within sight of my home should be more worthy of being moved.

20 **CONCLUSION**

21 Q. Does this conclude your testimony?

22 A. Yes.

Attachment DH-A Sample Plants Used in Business



Attachment DH-A Sample Plants Used in Business



Attachment DH-A Sample Plants Used in Business



Attachment DH-A Sample Plants Used in Business



Attachment DH-A Sample Plants Used in Business





Attachment DH-1 North and South Views on Easement



Responses

DR 1-1 I have met on many occasions with Eversource personnel regarding the issues at my property, including my well and water supply, my business conducted on the easement, position of poles, aesthetics, buffer, mitigation planting, etc. Much has been discussed, offered, retracted, questioned. With the exception of one draft of a planting plan, nothing has been put in writing nor have any requests or questions I've asked since our last meeting on September 1, 2016, been responded to.

Please document in complete detail the results of all of our meetings, including the exact GPS location of the proposed poles as well as the pole you offered to move closer to Longmarsh Rd. fifty feet.

Response: Please see the list of all meetings below:

- **3.31.14-** Ms. Heald saw a Doucet Survey vehicle on her road and asked them about what is proposed in the right of way on her property. Doucet referred Ms. Heald to the Applicant. Tried calling several times on 3/31 but got a busy signal.
- **4.1.14-** The Applicant left Ms. Heald a message to inform her about the flags on her property.
- **5.9.14-** Ms. Heald called to inquire about EMF related to the project. The Applicant advised that the route had not been selected so it would be premature to discuss EMF but provided general information. Ms. Heald was concerned about tree clearing, property de-valuing with a new line, gardening business in the right-of-way. Eversource offered to have EMF specialist reach out to her about general EMF questions but it was too early to discuss the project.
- **5.19.14-** The Applicant's EMF engineer attempted to set up a meeting with Ms. Heald, no response.
- **11.10.14-** Ms. Heald called with concerns about vegetation clearing and hand-dug well 12 feet below ground in the right of way. The Applicant offered to coordinate contact with the tree clearing contractor performing the maintenance work.
- **11.17.14-** Doucet Survey received a call from Ms. Heald regarding the Seacoast Reliability Project. Ms. Heald inquired about a survey stake and was informed by Doucet that it was a random survey control point. The Applicant and tree clearing contractor also spoke with Ms. Heald regarding vegetation management work in the corridor.
- **4.8.15-** Ms. Heald called and indicated that she was planning on attending the SRP Open House session in Durham. Ms. Heald asked if SRP was planning on compensating abutters for property impacts. Explained that Eversource would be submitting a study on property values as part of the SEC process. Ms. Heald asked for a copy of the easement deed.
- **4.15.15-** A copy of the deed was mailed to Ms. Heald.
- **4.22.15-** Ms. Heald attended the Durham Open House for the SRP. Ms. Heald was concerned with her well located in the right of way, certain vegetation she'd like to remain in the corridor, requested notification before people enter her property, requested

Electric Magnetic Field measurements, would like the ROW staked out, GPS coordinates of pole locations. Shared handout on property values.

- **12.7.15** – The Applicant, left a message for Ms. Heald to set up a site visit to discuss pole locations and conduct EMF measurements, following up on her request from the Open House.
- **1.5.16** - No response from December voice message. Mailed a letter encouraging a meeting to address concerns from the Open House.
- **4.13.16** – The Applicant received a call from Ms. Heald requesting a site visit to discuss project design near her home on Longmarsh road. A meeting was arranged for 4/18/16.
- **4.18.16**- Site visit with the Applicant at Ms. Heald’s property to discuss several concerns related to the project regarding tree clearing, pole location, a shallow well in the ROW, maintenance of the ROW, access roads, permitting process and schedule, Durham participation, a stone wall, and her gardening business within the ROW.
- **4.21.16**- Called Ms. Heald and left a message to let her know that the SRP SEC application is posted on the website and the URL would be sent in the mail along with a summary of the site walk discussion on 4/18/16. Pole location was being investigated internally to see if something could be done. Deed was mailed again. Eversource would reach back out when more information was available.
- **5.2.16**- Called and left a voicemail for Ms. Heald requesting a site visit with a surveyor/arborist to flag the corridor and give her a better idea of which trees would be cleared for the project. Mailed meeting notes from the 4/18/16 site visit.
- **5.10.16**- As a follow up to the 4/18/16 site visit, the Applicant met Ms. Heald at her property to flag the edge of the corridor and discuss necessary tree clearing.
- **5.18.16**- Called Ms. Heald and left a message requesting a site visit on 5/20/16 to discuss the pole location. Called again later that day, but Ms. Heald's mailbox was full.
- **5.19.16**- Ms. Heald called the Applicant at 8:45 PM, and left a message for her that 5/20/16 would not work and that she would prefer an early morning site visit.
- **5.20.16**- Called Ms. Heald and left a message to schedule the site visit.
- **5.23.16**- Ms. Heald called the Applicant and told her that the earliest date for site visit was 6/3/16. The Applicant called Ms. Heald back twice that day but could not leave a message as Ms. Heald's mailbox was full.
- **5.24.16**- Called Ms. Heald and got a busy signal. Called Ms. Heald again and the two agreed on a meeting on 6/6/16 with the Applicant to discuss the pole relocation.
- **6.6.16**- The Applicant met with Ms. Heald at her home to discuss the proposed pole location and potential 35-50 foot relocation of the pole from the existing location. Ms. Heald was not satisfied with the relocation option presented. The Applicant offered to take another look to see if there were any other feasible options. Ms. Heald also had concerns of noise and EMF and requested additional information.
- **6.8.16**- The Applicant mailed Ms. Heald the site visit meeting minutes from 6/6/16 and hardcopies of the sections of the Application explaining noise, EMF and the maps of her property.
- **6.15.16**- Called and left message for Ms. Heald to request a site visit to discuss reassessment of the pole relocation.
- **6.16.16**- Ms. Heald called the Applicant and left a message that she would not discuss the pole location until the other side of the corridor was flagged.

- **6.17.16**- The Applicant called Ms. Heald. After several unsuccessful attempts to schedule the survey he flagged the other side of the corridor and the approximate new, proposed pole location due to the time sensitivity. He left two voice messages and a door hanger regarding his flagging.
- **6.21.16**- The Applicant called Ms. Heald and left a message to schedule a site visit with her on 6/22/16 now that the other side of the corridor was flagged.
- **6.21.16**- Ms. Heald called the Applicant and expressed her frustration with a site visit to discuss pole placement, as she does not have time. Ms. Heald did acknowledge that the other side of the corridor was flagged, per her request, but she could not find the flag for the proposed re-location. The Applicant agreed to review the maps and leave her a detailed message about the location of the pole.
- **6.21.16**- The Applicant left Ms. Heald a detailed message about the pole location and the ability to relocate it 35 feet towards Longmarsh road and reiterated the request for a site visit to discuss.
- **6.22.16**- Ms. Heald left the Applicant a message that she is very unsatisfied with the proposed re-location of the pole and would not like to meet or discuss further unless a different option is presented. Ms. Heald was concerned that the surveyor spoke with her neighbors and changed the pole location based on that discussion.
- **6.23.16**- The Applicant left Ms. Heald a message that the arborist did not speak with her neighbors to adjust the pole location and reiterated the request for a site visit to discuss the constraints that impact our ability to relocate the pole.
- **6.28.16**- The Applicant left Ms. Heald a message about upcoming soil borings set to occur at her home. She informed that the location of the boring would be the location of the pole currently within the Application and not the proposed relocation being discussed.
- **6.29.16**- Ms. Heald called the Applicant and provided dates that she was available for a site visit.
- **6.29.16**- The soil boring contractor attempted to access the boring location at Ms. Heald's property. Ms. Heald asked them to come back when the ground was not as wet. The Applicant coordinated the soil borings and a site visit for 7/7/16.
- **7.7.16**- The Applicant met with Ms. Heald at her property to discuss several items and the soil boring contractor performed the soil borings during the site visit. Items of discussion; rationale for limited flexibility to move the pole any more than 50 feet, landscaping discussions and assessment by a landscape architect to assist with buffering her view of the pole, relocation of planting business from underneath the power lines, location of the well in the right of way and the proposed mitigation to avoid impacts.
- **7.14.16**- Ms. Heald attended the Durham Public Information Session and spoke with the Applicant about her frustration with the pole location.
- **7.21.16**- Ms. Heald attended the Newington Public Information Session and asked the Applicant to provide her with the length of her easement.
- **7.22.16**- The Applicant attempted to call Ms. Heald three times to give her the length of her easement, but the voicemail was full.
- **8.4.16**- After multiple calls, it appears Ms. Heald's landline was no longer in service. The Applicant sent a letter requesting a site visit to go over the landscape architect's landscaping plan and requested a better means of contact.
- **8.26.16**- Ms. Heald called the Applicant and a site visit was scheduled for 9/1/16.

- **9.1.16-** The Applicant and Ms. Heald met on site to discuss, the landscaping plan developed for visual mitigation on her property, the option and reasoning behind the 50 foot relocation of the pole and relocating her gardening business from the right of way to avoid impacts. Other topics discussed on site were her well location, concerns of tree clearing, the need for updated property boundaries and other plant species for the landscaping plan. Ms. Heald was to provide plant species acceptable to her and the Applicant was to provide an updated landscaping plan with explanations of the species chosen for the plan and a revised property boundary.

In summary, the Applicant understands that Ms. Heald has five major concerns relative to the project and the team has worked extensively with her via 6 site visits, mailings, and phone calls to try and address those concerns. The Application has presented reasonable options and mitigations for each of the identified concerns although none have been acceptable to Ms. Heald.

1. **Amount of Tree Removals.** The Applicant marked the boundaries of the right of way easement to help Ms. Heald visualize the amount of clearing. The Applicant's arborist met with Ms. Heald twice to discuss the amount of clearing necessary, identified specific trees for removal and offered to, where feasible, leave some lower growing vegetation that would not interfere with the line clearances.
2. **Impact to the well.** The Applicant staked the location of the well confirming that it is outside the right of way easement and will be avoided during construction. The shallow well pipe, runs perpendicular across the right of way easement to reach the residence. Due to the perpendicular alignment in the corridor, this well pipe encroachment cannot be avoided during construction activities. The Applicant proposed to identify the location of the pipe and use timber matting when travelling over the pipe encroachment during construction.
3. **Impact to gardening business in the right-of-way.** The Applicant offered to relocate the gardening business from the right-of-way, temporarily for construction or even permanently to avoid future concerns of access through the right of way. To support a permanent relocation, the Application offered to clear an additional 10 feet along the edge of a portion of the right of way.
4. **Pole placement.** Ms. Heald was not satisfied with the pole location proposed in the application. The proposed location of the pole, in the application, places the pole behind a large rock outcrop between the right of way and her home although in consideration of Ms. Heald's request for relocation, the line design was reviewed. The Applicant offered to relocate the pole 35 feet towards Longmarsh road. This was not acceptable to Ms. Heald who requested that it be moved farther towards Longmarsh road. The Applicant then offered to relocate the pole 50 feet towards Longmarsh road which was the extent to which it could be moved. By relocating the pole 50 feet toward Longmarsh road from its current location, the visibility of the pole from the home increased by moving it closer to the road.
5. **Visual Mitigation/Landscape Plan.** The Applicant's arborist and landscape architect met with Ms. Heald to assess her property and the pole location in order to develop a landscape plan for visual mitigation. The plans were presented and critiqued at an on-site meeting in September. A new set of plans reflecting some of the changes and proposing new options was sent to Ms. Heald and is pending further discussions.

Exact GPS location of the proposed poles as well as the pole you offered to move closer

to Longmarsh Rd. fifty feet.

GPS coordinates, for the 50 shift towards Longmarsh road from the existing pole location.

X Easting (ft)	Y Northing (ft)
1193103.458	225101.433

Latitude (deg)	Longitude (deg)
43.11496952	- 70.88448692

Witnesses Available for Cross Examination include: James Jiottis, David Plante



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888-926-5334
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December 8, 2016

Donna Heald
220 Longmarsh Road
Durham, NH 03824

Dear Ms. Heald,

Enclosed with this letter is Eversource's proposed visual mitigation plan for your property at 220 Longmarsh Road in Durham. We have revised previous versions to reflect our discussions during the site visit on September 1, 2016:

- Property boundaries redefined based on survey.
- Descriptions of proposed plantings added.
- Additional planting options included for you to select a suitable replacement to Hemlock along the right-of-way, as requested. The American Mountain Ash you requested is not commercially available.
- Junipers replaced with Hicks Yew, which has more shade tolerance.

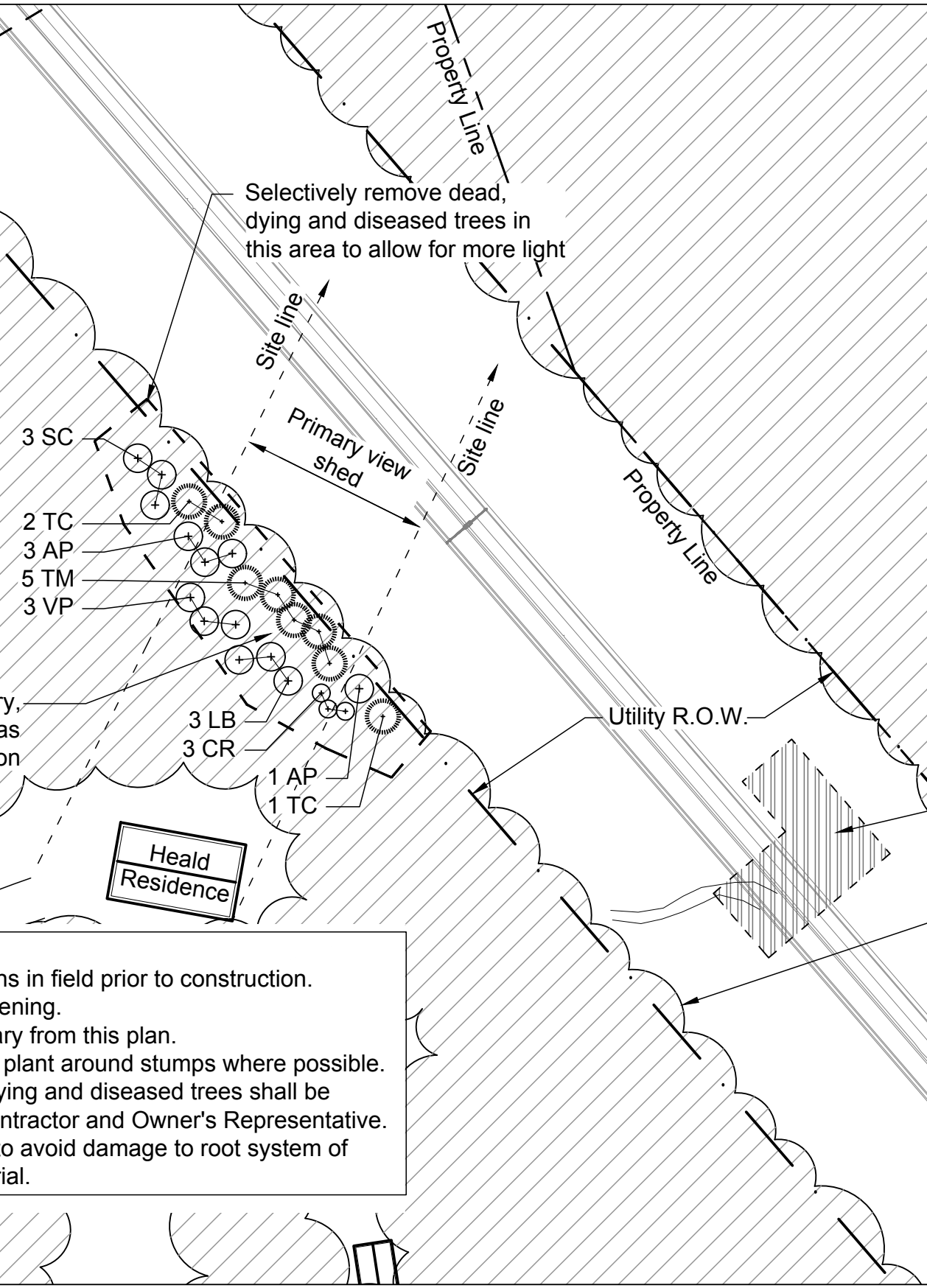
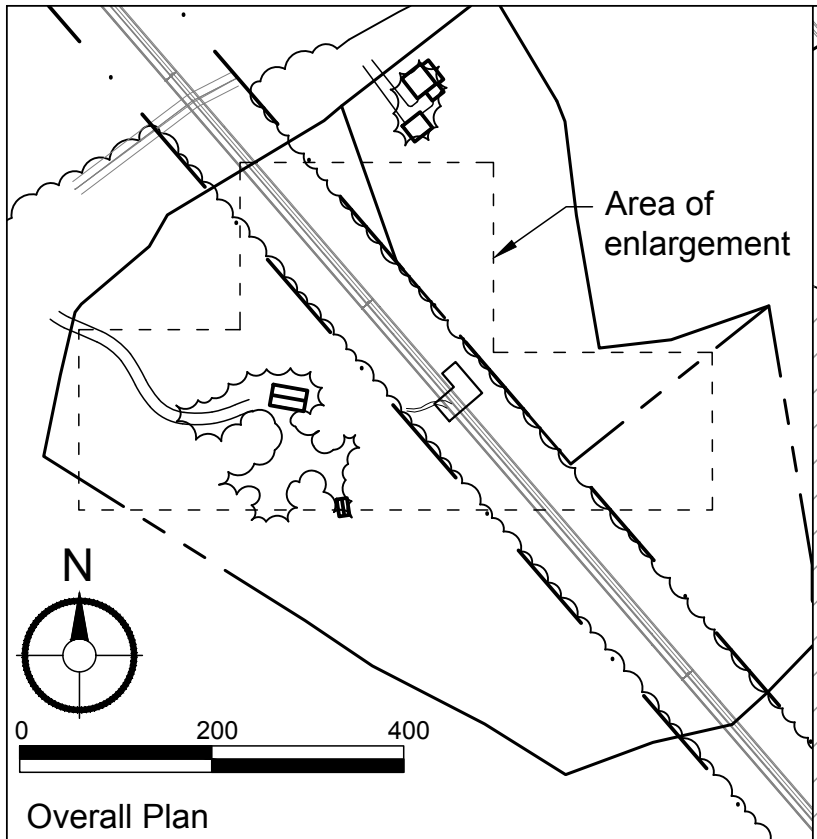
Please note that the intention of this plan is Eversource's best effort to mitigate the visual impact to your home from the proposed Seacoast Reliability Project. Plantings southeast of your nursery are therefore not included in the proposed plan.

As always, feel free to contact me with any questions or concerns.

Best,

A handwritten signature in cursive script that reads "Sandra Gagnon".

Sandra Gagnon
Siting and Construction Services
Eversource Energy



PLANT SCHEDULE

SYM	QTY	SCIENTIFIC NAME	COMMON NAME	INSTALL SIZE
TREES				
TM	5	Taxus x media 'Hicksii'	Hicks Yew	5' HT.
TC	3	Tsuga canadensis	Canadian Hemlock	5' HT.
SHRUBS				
AP	4	Aesculus parviflora	Bottlebrush Buckeye	3' HT.
CR	3	Cornus racemosa	Gray Dogwood	3' HT.
LB	3	Lindera benzoin	Spicebush	3' HT.
SC	3	Sambucus canadensis	American Elderberry	3' HT.
VP	3	Viburnum prunifolium	Blackhaw Viburnum	3' HT.

Installation in this area may vary, plant on elevated areas as possible to aid in visual mitigation

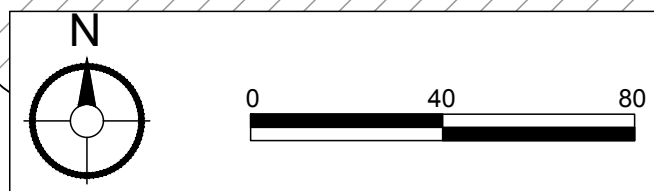
Selectively remove dead, dying and diseased trees in this area to allow for more light

Existing nursery area (location and size are approx.)

Approximate tree line after clearing of ROW, typ.

Transmission and distribution line

- NOTES:**
1. Base map is approximate, verify all dimensions in field prior to construction.
 2. Site plant locations in field to maximized screening.
 3. Installed plant locations and materials may vary from this plan.
 4. Option to grind stumps where necessary and plant around stumps where possible.
 5. Prior to construction or tree removal, dead, dying and diseased trees shall be evaluated on a case-by-case basis by the Contractor and Owner's Representative.
 6. Contractor shall take necessary precautions to avoid damage to root system of existing trees while installing new plant material.



DRAFT

Seacoast Reliability Project
Durham, NH

LONGMARSH ROAD
PROPOSED PLANTING
MITIGATION PLAN

Date	Checked	Revision

Scale: 1" = 40'-0"
Date: 09.13.16
Drawn by:
Checked by:

Sheet: **L2**

EVERGREENS

September 2016

Hicks Yew

Taxus x media 'Hicksii'



Specified Installation Size: 5' HT.

Mature Height: 12 to 20'

Mature Spread: 8 to 12'

Rate: Medium

Sun/Shade Tolerance: Sun to shade

Native: No

Canadian Hemlock

Tsuga canadensis



Specified Installation Size: 5' HT.

Mature Height: 40 to 70'

Mature Spread: 25 to 35'

Rate: Medium

Sun/Shade Tolerance: Shade Tolerant

Native: Yes

SHRUBS

September 2016

Bottlebrush Buckeye

Aesculus parviflora



Specified Installation Size: 3' HT.

Mature Height: 8 to 12'

Mature Spread: 8 to 15'

Rate: Slow on old wood but shoots which develop from the base will grow 2 to 4' in a single season

Sun/Shade Tolerance: Full sun to shade; will proliferate in shade

Native: Yes

Notes: Suckers and proliferates from base to create a mass

Gray Dogwood

Cornus racemosa



Specified Installation Size: 3' HT.

Mature Height: 10 to 15'

Mature Spread: 10 to 15'

Rate: Slow from old wood, however, shoots which develop from roots grow very fast (3 to 5' in a season)

Sun/Shade Tolerance: Full shade or sun.

Native: Yes

Notes: Suckers profusely from the roots, will form a large colony of plants extending in all directions from the original plant

Spicebush

Lindera benzoin



Specified Installation Size: 3' HT.

Mature Height: 6 to 12'

Mature Spread: 6 to 12'

Rate: Slow

Sun/Shade Tolerance: Full sun to part shade

Native: Yes

Notes: Leaves have a spicy fragrance when crushed

SHRUBS

September 2016

American Elderberry
Sambucus canadensis



Specified Installation Size: 3' HT.

Mature Height: 5 to 12'

Mature Spread: 5 to 12'

Rate: Fast

Sun/Shade Tolerance: Sun to part shade

Native: Yes

Notes: Birds and wildlife are attracted to flowers and fruit. Fruit is edible and may be used to make preserves, jellies, pies and wine.

Blackhaw Viburnum
Viburnum prunifolium



Specified Installation Size: 3' HT.

Mature Height: 12 to 15'

Mature Spread: 8 to 12'

Rate: Slow to medium

Sun/Shade Tolerance: Sun or shade

Native: Yes

Notes: Birds and wildlife are attracted to flowers and fruit. Considered 'moderately susceptible' to Viburnum Leaf Beetle (VLB) out of the following categories: highly susceptible, susceptible, moderately susceptible, and resistant. Plants with moderately susceptibility to VLB can be effected, but are rarely severely damaged or killed by the insect.

ADDITIONAL POSSIBLE PLANTS (Not on planting plan)

September 2016

Serviceberry
Amelanchier canadensis



Specified Installation Size:

Mature Height: 6 to 20'

Mature Spread: 15 to 20'

Rate: Medium

Sun/Shade Tolerance: Sun to part shade

Native: Yes

Notes: Flowers early in spring; fruit is edible and attracts birds and wildlife

Ironwood
Carpinus caroliniana



Specified Installation Size: 5' HT.

Mature Height: 20 to 30'

Mature Spread: 20 to 30'

Rate: Slow

Sun/Shade Tolerance: Part to full shade

Native: Yes

Notes: Smooth bluish gray bark appears muscular with long sinewy ridges on older stems and trunks, particularly striking in winter.

Eastern Redbud
Cercis canadensis



Specified Installation Size:

Mature Height: 20 to 30'

Mature Spread: 25 to 35'

Rate: Medium

Sun/Shade Tolerance: Full sun to light shade

Native: Yes

Notes: Blooms in spring before leaves emerge

ADDITIONAL POSSIBLE PLANTS (Not on planting plan)

September 2016

Red Flowering Dogwood

Cornus florida rubra



Specified Installation Size: 8' HT.

Mature Height: 20 to 25'

Mature Spread: 20 to 25'

Rate: Medium

Sun/Shade Tolerance: Full sun to part shade

Native: Yes

Notes: Glossy red fruit attract birds and wildlife

Common Witchhazel

Hamamelis virginiana



Specified Installation Size:

Mature Height: 20 to 30'

Mature Spread: 15 to 25'

Rate: Medium

Sun/Shade Tolerance: Full sun to shade

Native: Yes

Notes: Fragrant flowers and yellow fall color

Sourwood

Oxydendrun arboreum



Specified Installation Size:

Mature Height: 20 to 30'

Mature Spread: 10 to 25'

Rate: Slow

Sun/Shade Tolerance: Full sun to part shade

Native: Yes

Notes: Excellent fall color; flowers in spring that resemble lily of the valley

ADDITIONAL POSSIBLE PLANTS (Not on planting plan)

September 2016

American Mountain Ash

Sorbus americana



Specified Installation Size:

Mature Height: 10 to 30'

Mature Spread: 10 to 30'

Rate: Medium

Sun/Shade Tolerance: Full sun to part shade

Native: Yes

Notes: Bright orange red fruit in fall that attract birds and wildlife

This plant is not commercially available

Japanese Snowbell

Styrax japonicus



Specified Installation Size:

Mature Height: 20 to 30'

Mature Spread: 20 to 30'

Rate: Medium

Sun/Shade Tolerance: Full sun to part shade

Native: No

Notes: White bell-shaped flowers in spring

Cranberrybush Viburnum

Viburnum tribolum



Specified Installation Size:

Mature Height: 8 to 12'

Mature Spread: 8 to 12'

Rate: Medium

Sun/Shade Tolerance: Full sun to part shade

Native: Yes

Notes: Edible fruit can be used for preserves and jellies; fruit attracts birds and wildlife

DR 1-2 Regarding my 12 foot well on the opposite side of the easement from my house and plumbing and wires diagonally crossing the easement, I was once asked if I would like my well somewhere else. Later I was told there would not be any problems with the existing well. As my life and gardening business, much of which occurs on the easement depend on water (twice a day watering in the summer watering plants) I am very concerned. While I have no doubt that you would take full responsibility for repairing any damage done, I am concerned about being without the use of water for any period of time. What is your plan in the event that a problem does arise and my water is interrupted. Please provide specific details and time frame to insure there will be no interruption in my ability to use water for my business and myself?

Response: Eversource believes that potential damage to a business or residence is unlikely to occur because the Project will contract with qualified and experienced contractors in the execution of the work and will work cooperatively with businesses and residences to avoid disruptions and mitigate impacts to the greatest extent practicable. The Project will take multiple precautions to mitigate risks to wells. These include, but are not limited to, performing the work in accordance with applicable regulations and best management practices. In addition, the Project will proactively notify abutters prior to work, and perform relevant pre and post inspections.

If, despite these efforts, you believe damage has occurred, a claim can be brought to the Applicant's attention in a number of ways. Residents, property owners, and/or business owners, can initiate the process by contacting the Project Outreach Representative or sending an email to TransmissionInfo@eversource.com. Using these methods for communication for any questions or concerns about the Project, including construction activities, are a fundamental component of our outreach program and communications.

The Applicant will evaluate each claim it receives and, if related to contractor activities, refer it to the contractor for resolution as required by its contract with Eversource. For claims referred to the contractor, the Applicant's Project Outreach or Community Relations representative would act as a liaison between the municipality or property or business owner and the contractor, and would monitor the contractor's resolution of the claim to ensure that any damage caused by Project activities is promptly addressed. If the damage is something that can be and is readily remedied, the matter will be considered resolved when the repair/replacement has been made. If the municipality, or property or business owner, does not agree with the contractor's resolution and/or denial of a claim, then the decision can be challenged with a request to the Applicant for further investigation. After concluding that investigation, the Applicant would seek alternative resolution through the contractor, resolve or otherwise settle the claim itself, or provide the reasons for a denial.

If a claim is not directly based on contractor construction or related activities, the Applicant will perform a thorough review of the claim and will either accept the claim with a proposed course of action to resolve it or will provide the reasons for denying the claim.

Witnesses Available for Cross Examination include: David Plante

Attachment DH-4 Easement Boundary Marked with Orange Tape



DR 1-8 I have asked and not been provided the information on where I can see and stand next to a pole of the same type, same height, and same diameter as what you plan to place on my property. Please provide this information, preferably in the Seacoast or as close as possible including the address, directions to get there and GPS location.

Response: Eversource does not currently have a completely steel pole double circuit line with 115kV and 34.5kV on the same structure similar to the configuration proposed in New Hampshire. The most similar line to the one proposed is located near the Lilac Mall in Rochester, NH. The address is 5 Milton Rd (NH Route 125), Rochester, NH 03867. From Durham, NH you proceed West on NH Route 4 to the Lee Traffic Circle. From there you head North on NH Route 125 until you reach the Lilac Mall. The transmission lines are just south of the Mall parking lot just after the intersection of Chestnut Hill Road. If you look south across the open Bog area there are three circuits on two pole lines. The taller of the poles is a double circuit structure with 115kV on top and 34.5kV line underbuilt in a configuration very similar to the proposed line. These are laminated wood poles, however the width and height of the poles are similar to the proposed line. The approximate coordinates of the crossing at Route 125 is 43.318185° N 70.976109°.

Witnesses Available for Cross Examination include: James Jiottis