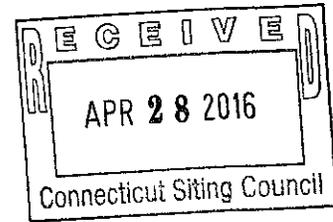


April 28, 2016

Robert Stein, Chairman  
Connecticut Siting Council  
Ten Franklin Square  
New Britain, CT 06051



**Re: Petition No. 1058  
Final Report  
1990 Line Structure Replacement**

ORIGINAL

Dear Chairman Stein:

In accordance with the Regulations of Connecticut State Agencies ("RCSA") Section 16-50j-62(c), and the Connecticut Siting Council's approval of the Development and Management ("D&M") Plan, The Connecticut Light and Power Company doing business as Eversource Energy ("Eversource") is providing this Final Report for the 1990 Line Structure Replacement Project ("Project") to the Connecticut Siting Council ("Council").

Pursuant to RCSA, Section 16-50j-62(c), the Final Report shall identify:

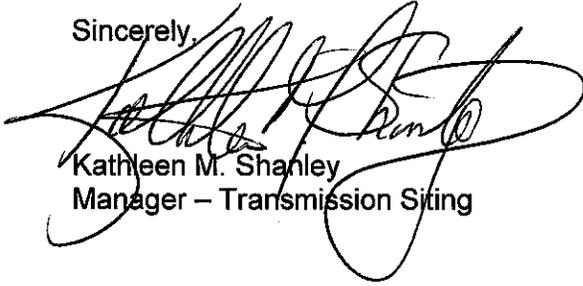
1. all agreements with abutters or other property owners regarding special maintenance precautions;
2. significant changes of the D&M plan that were required because of the property rights of underlying and adjoining owners or for other reasons;
3. the location of construction materials which have been left in place including, but not limited to, culverts, erosion control structures along watercourses and steep slopes, and corduroy roads in regulated wetlands;
4. the location of areas where special planting and reseeding have been done; and
5. the actual construction cost of the facility, including, but not limited to, the following costs:
  - (A) clearing and access;
  - (B) construction of the facility and associated equipment;
  - (C) rehabilitation; and

(D) property acquisition for the site or access to the site.

These required items are set out in the respective sections in Attachment 1.

Please contact me at 860-728-4527 with any questions the Council may have on this final report.

Sincerely,

A handwritten signature in black ink, appearing to read 'Kathleen M. Shanley', is written over the typed name and title.

Kathleen M. Shanley  
Manager – Transmission Siting

Attachment 1

Eversource Petition No. 1058: 1990 Line Structure Replacement – Final Report

1. Eversource entered into real estate easement agreements with property owners for use of private properties. Special maintenance precautions established beyond these standard agreements are as follows:

A. Eversource has entered into agreements with the following landowners for access to the Project area/ROW.

<b>Line List #</b>	<b>Landowner</b>	<b>Agreement</b>
1005	City of Waterbury, Waterbury	Permanent Access Road
n/a (sheet 02)	Meliton Zub-Zadanowicz, Watertown	Permanent Access Road
1033	1 Mattoon Road LLC, Waterbury	Permanent Access Road
1059	Housing Authority, City of Waterbury	Permanent Access Road
	Walter Gutierrez	Temporary Access Permit
1113	City of Waterbury	Permanent Access Road
1125	Windy Drive Assoc., Waterbury	Temporary Access Permit
1146	Richard Elderkin, Waterbury	Temporary Access Permit
1163	DiDomizio Family LLC, Middlebury	Permanent Access Road
1165	Daniel Picarelli, Middlebury	Permanent Access Road
1292	William Deusing, Oxford	Temporary Access Permit
	Tucker, Jr Lewis I, Oxford	Temporary Access Permit
	Gregoire David J & Mary M	Temporary Access Permit
1293	Harmony Ranch Ltd, Oxford	Temporary Access Permit
1293	Hanley, Barbara A, Oxford	Temporary Access Permit
1218	Oxford Realty and Investment, Oxford	Temporary Access Permit
1237	Bruce Smith, Oxford	Temporary Access Permit
1249	John & Cindy Giannetta, Oxford	Easement for Conservation Area Access
1256	Fernando & Paula Pires, Oxford	Permanent Access Road
1257	Richard Castella, Oxford	Permanent Access Road
1261	Barbara Smith, Oxford	Permanent Access Road
1288	FFE LLC, Oxford	Temporary Access Permit
1302	John and William Downs, Oxford	Temporary Access Permit
2016	USA / Army Corp of Engineers	Temporary Access Permit
2040, 2042	City of Waterbury (Murray Park)	Permanent Access Road

<b>Line List #</b>	<b>Landowner</b>	<b>Agreement</b>
n/a (sheet 30A)	Roy Steiner/Cottage Street LLC, Monroe	Temporary Access Permit
n/a sheet 30A)	Roy Steiner/Cottage Street LLC, Monroe	Permanent Access Easement (Sand Bar Rd, Monroe)

**B. Right of Way Agreements**

Eversource entered into a real estate agreement for an expansion of the existing right-of-way with the following property owner in Middlebury:

<b>Line List #</b>	<b>Landowner</b>	<b>Agreement</b>
1221, 1223	David B Sippin	Permanent Easement

**C. Gate/Barrier Agreements**

Following is a list of 34 landowners with whom Eversource has entered into agreements for the installation and maintenance of a gate for access to the ROW and/or barriers to deter trespass.

<b>Line List #</b>	<b>Landowner</b>	<b>Gate/Barrier Location</b>
1002.01	Meliton Zub-Zadanowicz	Vicinity of Route 8, Watertown
1003	State of Connecticut	Vicinity of Route 8, Watertown
1027	Marlene Silva	125 Shaw Hill Farm Rd, Watertown
1041	Lars Realty, LLC	Clyde Avenue, Waterbury
1065	US Bank National Assoc.	Angle Drive, Waterbury
1069	Angel Drive Condominiums	Angle Drive, Waterbury
1070/1071	Debbie South	231 Hubbell Ave, Waterbury
1119	Parkview Condominiums	585 Park Road, Waterbury
1126	Windy Drive Assoc.	Lakeside Blvd West, Waterbury
1129	Miguel & Angela Millet	110 Wooster Ave, Waterbury
1139	City of Waterbury	Chase Parkway, Waterbury
1146	Richard Elderkin	1050 Straits Tpke, Waterbury
1151	Antonio & Angelina Goncalves	135 Yale Ave., Middlebury
1163	Didomizio Family	76 Tower Road, Middlebury
1171/1172	Alit & Feret Ibraimi	276 Leonard Rd, Middlebury
1173, 4, 5	Edward Bioski	Bioski Rd, Middlebury
1179	Greenfields, LLC, c/o Marian Larkin	Wooster Rd., Middlebury
1181	Marian Larkin	Long Meadow & South St, Middlebury
1219	Town of Oxford	60 North Larkey Rd, Oxford
1227	Jacks Hill Road, LLC c/o Dave	1 Jacks Hill Rd., Oxford

Line List #	Landowner	Gate/Barrier Location
	Sippin	
1128	Glendale at Oxford	Jacks Hill Rd., Oxford
1150	Wayne & Maureen Mavricz	12 Cortland Place, Oxford
1253	Mark Mato	7 Cortland Place, Oxford
1256	Fernando & Paula Pires	212 Hogs Back Rd., Oxford
1257	Richard Castella	197 Hogs Back Rd., Oxford
1261	Barbara Lee Smith	75 Captain Wooster Rd, Oxford
1276	Robert Farnum	16 Barry Rd., Oxford
1288	FFE, LLC, Edwin Hellauer	85 Bowers Hill, Oxford
1289	Joseph & Patricia Harris	133 Bowers Hill, Oxford
1297	Allen Ljungquist	Loughlin Rd., Oxford
1298	William Troester	174 Loughlin Rd, Oxford
1302	John & William Downs	Loughlin Rd., Oxford
2003	Matthew Tylinski	166 Shaddock Rd., Middlebury
2040, 2042	Murray Park, City of Waterbury	Oronoke Rd. Waterbury

## 2. Significant Changes to the D&M Plan

The following is a list of the significant changes to the D&M Plan, Volume II - Appendix C, that were required because of the property rights of underlying and adjoining owners or for other reasons and which were submitted to, and approved by, the Council:

CSC Approval	Requested Change	D&M Map Sheet No.
October 24, 2013	Eversource moved the access to structure #12243 to avoid the embankment of the highway (Interstate 84) in Middlebury. The new access required temporary construction mats on approximately 1,600 square feet which would impact a portion of the wetland on Eversource property. The Army Corps of Engineers approved this change to its permit on October 17, 2013.	31 of 36
November 1, 2013	The removal of structure #438A in Middlebury and the installation of the proposed access road and construction pad to facilitate the removal work. The proposed access road and construction pad are both in upland areas and there would be no environmental impacts to access and remove this structure.	13 of 36
January 17, 2014	Eversource requested an additional 20 feet of clearing along the existing ROW to construct the new line. The additional clearing was along selected portions of the ROW from Tower Road in Middlebury to Highland Avenue in Waterbury and portions of the Baldwin Section in	31 to 36

<b>CSC Approval</b>	<b>Requested Change</b>	<b>D&amp;M Map Sheet No.</b>
	Waterbury for a total length of approximately 1.3 miles. The need for the additional clearing was determined after an in-field evaluation of the construction needs and subsequent revised operational clearances required for the new line.	
February 21, 2014	Relocation of the proposed structure #11146 in Oxford to a position approximately 175 feet to the northeast to more level terrain. This relocation would include a shift of the planned crane pad and a small increase in length of the planned access road from Christian Street. Eversource is the underlying property owner.	21 of 36
June 23, 2014	Relocate structure #11142 in Oxford 100 feet north of the proposed location (near the property boundary) due to constructability concerns due to the steepness of the slope on at this location. The relocation provided additional construction clearance and resulted in limited impacts to the ROW, avoiding the need to place large amounts of fill on uneven terrain to create a level work surface.	22 of 36
September 9, 2014	Due to the removal of structure #400 in Oxford and the subsequent removal of the de-energized conductor, which crossed over to the Stevenson Substation ("Substation"), Eversource upgraded approximately 1,000 feet of an existing access road from Sand Bar Road to structure 1397 within the Eversource right-of-way. To safely remove the de-energized conductor over the Substation, Eversource constructed two 100 foot x 100 foot work pads within the right-of-way for the required strain conversion on structure 1397.	30A of 36

Additional notice and/or information were also provided to the Council or Council staff on matters considered to be minor changes to the D&M Plans. The information included, but was not limited to, changes to work hours and work days, notices of construction contractors, staging area, and helicopter support.

### 3. Location of Non-Transmission Materials

The locations of non-transmission materials including, but not limited to, culverts, erosion control structures along watercourses and steep slopes, and corduroy roads in regulated wetlands, which have been left in place following construction, are listed in the table below.

<b>D&amp;M Sheet</b>	<b>Description</b>	<b>Location</b>	<b>Nearest Structure</b>
2	Swale, Water Bar, Plunge Pool, Riprap Slope	Frost Bridge Substation-Route 8, Waterbury	11248
4	Water Bars	Hilltop Road, Waterbury	11237
6&7	Series Of Swales, Check Dams, Rock Spreaders, etc.	Ridgeway Road, Waterbury	11223-11221
7	Swale, Check Dams, Rock Spreader	Bunker Hill Substation, Waterbury	11220
8	24" PVC Culvert, Water Bar	Clough Road, Waterbury	11216
9	Rock Ford	Park Street, Waterbury	11210-11209
10	Rock Berm/Plunge Pool	Chase Parkway, Waterbury	11204-11205
13	Rock Swale/Plunge Pool Perpendicular to Access Road where Runoff from Highway Flows Across Site	N Leonard Street, Middlebury	482-11190
13	Rock Swale where Storm Drain from Street Discharges Next To Structure	S Leonard Street, Middlebury	11189
14	15" PVC Culvert	Wooster, Middlebury	11186
15	Two 6" Steel Culverts (Installed By Town)	South Street, Middlebury	11180
15	24" PVC Culvert	Longmeadow Road, Middlebury	470
15	Water Bars, Plunge Pools	Longmeadow Road N, Middlebury	11176
17&18	Multiple Water Bars, Plunge Pools, Riprap on Slopes throughout Area	Woodruff Hill Road, Oxford and Middlebury	11162-11170
18	12" PVC Culvert	Woodruff Hill Road, Oxford	459
19	Riprap Berm And Slope	Commerce Drive, Oxford	11158
20	24" PVC Culvert	Commerce Drive, Oxford	11154-11155

<b>D&amp;M Sheet</b>	<b>Description</b>	<b>Location</b>	<b>Nearest Structure</b>
20	Water Bar, Riprap on Slope	Jacks Hill Road, Oxford	11151
21	Riprap Swale, Paved Road	Christian Junction, Oxford	11146
22	Substantial Riprap on Slopes	Christian Street, Oxford	11142-11143
25	Multiple Water Bars, Plunge Pools, Terraces throughout Area	Captain Wooster Road, Oxford	11127-422
26	Riprap on Swale Along South Side of Street, Water Bar	Barry Street, Oxford	11122-11123
26	24" PVC Culvert	Barry Street, Oxford	11122
26	15" PVC Culvert	Barry Street, Oxford	11121
27	Plunge Pool	Bowers Hill Road, Oxford	11118-11119
27&28	Multiple Water Bars, Plunge Pools	Bowers Hill Road, Oxford	11111-11115
12	Riprap Plunge Pool At northeast Corner of Pad	Tower Road, Middlebury	12241
33	Swales, Rock Spreaders, Riprap on Slope Where Road Ends at Wetland	Dellwood Drive, Waterbury	12251
34	Swales, Check Dams, Inlet, Weir, Discharge to Storm Drain. Requested and Permitted by City of Waterbury	Oronoke Road, Waterbury	12254-12255
34	Swales, Check Dams	Murray Park, Waterbury	12257
34-35	Water Bars, Plunge Pool, Swale, Riprap Slope Where Road Ends at Wetland	Murray Park, Waterbury	12259-12260
35	Swale, Check Dams	Murray Park, Waterbury	12260-12261

4. Locations of Areas of Special Plantings

The locations of areas where special planting and reseeding were done are listed in the following table:

<b>Line List #</b>	<b>Property Owner Last Name</b>	<b>Plantings</b>	<b>Town</b>
1085	Vadnais	(3) 2-2.5" Pink Dogwood, (1) 7-8' Colorado Spruce	Waterbury
1119	Parkview Condo Association	(1) 8-10' Norway Spruce, (3) 7'-8' Green Giant Arborvitae, (2) 5'-6' Serviceberry, (8) 7 gal Viburnum	Waterbury
1166	Modeen	(1) Weeping Cherry, 2- 2 ½' caliper	Middlebury
1252	Hardy	(4) 6-7' Green Giant Arborvitae	Oxford
1274	Chernovetz	(1) 2-2.5' Flowering Crabapple, (1) 2-2.5" October Glory Red Maple	Oxford
1300	Diller	(7) 5-6' Native Viburnum, (1) 10-12' Green Giant Arborvitae	Oxford
2003	Tylinski	(12) 10'-12' Norway Spruce, (12) 7'-8' Norway/Colorado Spruce, (1) 3"-3.5" White/Red Oak	Middlebury
2022	Dunn	Owner's discretion (Payment to land owner)	Waterbury
2028	Franks	(10) 7-8' Green Giant Arborvitae	Waterbury

5. Actual Construction Cost for the Project

The actual construction cost for the Project, including but not limited to the following costs:

- A. Clearing and Access
- B. Construction of the facility and associated equipment
- C. Rehabilitation; and
- D. Property acquisition for the site or access to the site

Cost	Type
\$10.3M	Clearing & Access
\$55.0M	Construction & Equipment
\$1.5M	Rehabilitation
\$1.7M	Property Rights
\$68.5M	Total