



**Connecticut
Light & Power**

A Northeast Utilities Company

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September 8, 2014

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**CONNECTICUT
SITING COUNCIL**

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

**Re: Docket 370
Final Report
Greater Springfield Reliability Project**

Dear Chairman Stein:

The Connecticut Light and Power Company ("CL&P") hereby provides its Final Report for the Greater Springfield Reliability Project ("GSRP", or "Project") in accordance with the Regulations of Connecticut State Agencies (RSCA), Section 16-50j-62(c); the Connecticut Siting Council's ("Council") Decision and Order; and the Council's approval of Development and Management ("D&M") Plans for CL&P's portion of the Project.

The Council approved the D&M Plan for the construction of the Connecticut portion of the GSRP transmission line, which extends from the North Bloomfield Substation in Bloomfield through northern Bloomfield, East Granby and Suffield to the Connecticut/Massachusetts state border, including the removal of the existing 115-kV transmission lines between North Bloomfield Substation and Granby Junction, with conditions, on October 21, 2010. The Council also approved the D&M Plan for modifications to the existing North Bloomfield Substation in Bloomfield, with conditions, on October 21, 2010.

Pursuant to RSCA Section 16-50j-62(c), the Final Report identifies the following:

1. all agreements with abutters or other property owners regarding special maintenance precautions (Attachment 1);
2. significant changes of the D&M plans that were required because of the property rights of underlying and adjoining owners or for other reasons (Attachment 2);

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 (Attachment 3);
4. the location of areas where special planting and reseeding have been done (Attachment 4); and
5. the actual construction cost of the facility (Attachment 5), 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.

Please contact me at 860-728-4528 with any questions you or Council members may have on this final report.

Sincerely,

A handwritten signature in black ink, appearing to read "Rob Carberry", with a long horizontal flourish extending to the right.

Robert E. Carberry, Project Manager
NEEWS Siting and Permitting

Attachments

Attachment 1
Agreements With Abutters Or Other Property Owners
Regarding Special Maintenance Precautions

1.0 Overhead Line

Where the existing right-of-way required expansion, CL&P entered into real estate easement agreements with property owners for use of private properties. Special maintenance precautions established beyond these standard agreements are grouped as follows:

- Tree agreements
- Gate/Barrier agreements
- Other agreements

1.1 Tree Agreements

During the course of the Project, CL&P entered into tree agreements with the owners of 196 Newgate Road, East Granby and 248 Newgate Road, East Granby. The agreements allow these two property owners to maintain tall growing trees within the right-of-way provided that the property owners maintain the trees to a specified not-to-exceed height.

1.2 Gate/Barrier Agreements

The following is a list of landowners with whom CL&P entered into agreements for installation and maintenance of a gate for CL&P access to the ROW and/or a wooden barrier to deter trespass.

Table 1.2 Gate/Barrier Agreements

Line List Number	Landowner	Gate/Barrier Location
1030.00	Galasso Holdings, LLC East Granby, CT	double-swing gate on north side of Hatchet Hill Road; "No Motorized Vehicles" signs at the entrance to CFPA Metacomet trail on north side of Hatchet Hill Road
1044.00	Alice Bazyk East Granby, CT	double-swing gate on north side of Holcomb Street
1076.00	Patricia Carpenter East Granby, CT	gate on east side of Newgate Road
1078.00	Brian Nagle and Erika Munson East Granby, CT	double-swing entrance gate on south side of Newgate Road
1093.00	Gregory Thompson East Granby, CT	double-swing gate on south side of Wyncairne Drive
1096.00	Brian Sin East Granby, CT	double-swing gate on north side of Wyncairne Drive
1113.00	Bruce and Dorothy Millick East Granby, CT	two double-swing gates, one on each side of property north of Wyncairne Drive
1157.00	Roger and Ruth Oltsch Suffield, CT	double-swing gate and wooden barrier on south side of Phelps Road
1162.00	Suffield Sportsman Association Suffield, CT	gate and wooden barrier on north side of Phelps Road
1202.00	Robert Laviana Suffield, CT	wood barrier on east side of Ratley Road
1203.00	John Mrosz Suffield, CT	gate and wood barrier on east side of Ratley Road
1207.00	Robert Laviana Suffield, CT	double-swing gate on the edge of private property north of Ratley Road

1.3 Other Agreements

Table 1.3 lists landowners with whom CL&P entered into other agreements.

Table 1.3 Other Agreements

Line List Number	Landowner	Agreement
1046.00	OJ Thrall, Inc. East Granby, CT	CL&P to leave portion of access road on property.
1098.00	Walter Jr. and Jane Rebenske East Granby, CT	CL&P to provide advance notification if herbicides are used on the property during regularly scheduled maintenance activities
1103.00	Robin Hinckley Wachs & Craig Wachs Suffield, CT	Regarding electric fence within ROW
1104.00	Beverly Harris and Mr. & Mrs. Timothy Harris	Regarding fence within ROW
1132.00	Raymond & Betsy Boldy Suffield, CT	Regarding fence within ROW
1163.00	Shawn Sorrow East Granby, CT	Regarding electric fence within ROW
1163.00	Shawn Sorrow East Granby, CT	CL&P to leave crane pad material on property; CL&P to de-stump and apply topsoil to portion of ROW.
1171.00 & 1172.00	Chester McGurk Suffield, CT	CL&P to leave crane-pad and access-road material on property; CL&P to pay for landowner to install ramps to and across ROW and to improve pre-existing off-ROW road in order to provide landowner access to cut wood deposited along ROW.
1202.00 & 1207	Robert Laviana Suffield, CT	CL&P to leave crane pad and access road material on property.

2.0 Substations

There were no agreements made with abutters for special maintenance precautions at substations.

3.0 Water Crossings

There were no agreements made with abutters for special maintenance precautions at water crossings.

Attachment 2
Significant Changes of the D&M Plans

Table 2.1 lists CL&P's requests for significant changes of the D&M plans that were required because of the property rights of underlying and adjoining owners or for other reasons.

Table 2.1 Significant D&M Plan Change Requests

CSC Approval	Requested Change
March 1, 2012	To increase the height of two structures (originally 0001 and 0002, renumbered to 17000 and 17001, respectively) by 50 feet.
	To increase the height of structure 0069 by 5 feet, structure 0070 by 15 feet, and structure 0071 by 10 feet.
	To decrease the height of structure 0029 by 5 feet.
June 25, 2012	Extensions or shifts in work pads at 44 locations between North Bloomfield Substation and Route 20 in East Granby.
	To extend work pads at 16 new structure locations between Route 20 in East Granby and the Connecticut/Massachusetts border.
	To shift the location of replacement structure 20147 and a reduction in the necessary amount of clearing between the structure and North Bloomfield Substation.
July 27, 2012	To construct 18 temporary pads and access-road spurs to accommodate conductor pulling sites.
	To construct three new construction pads between North Bloomfield Substation and Granby Junction.
	To modify clearing limits for: a) the pull sites associated with the relocation of the existing 345-kV line entering North Bloomfield Substation, b) north and south of structure 0022, and c) north of structure 11054.
September 20, 2012	Addition of a short footpath (ramp) within the CL&P right-of-way to replace an existing pedestrian access to the Metacomet Trail.
February 7, 2013	Modification to the design for the permanent drainage controls for the Newgate/Phelps Road and Hatchet Hill Road Areas and to allow certain construction pads and access roads in Suffield to remain in upland areas within the CL&P right-of-way, per land owner requests.
March 1, 2013	Shift of one 110-foot lightning mast by approximately 20 feet to the south, to avoid a foundation excavation too close to an underground duct bank with in-service control cables.

September 19, 2013	Approval for a permanent grade change and to leave pad construction material at Structure 0010.
October 17, 2013	Installation of a sound barrier at North Bloomfield Substation.
October 17, 2013	Installation of gates across CL&P and Bloomfield Fire Department (BFD) access roads near structure 0009.
	Installation of 125 feet of wood-pole barriers between the two access roads at the bend of the BFD access road.
	Installation of 85 feet of wood-pole barriers on the south side of the BFD's access road, before and after the gate.

Attachment 3
Location of Construction Materials Left in Place

Some crane pads and roads have been left in place for future access to the structures to perform maintenance or emergency repairs. Access roads have been left in place in locations where they were shown to be permanent on the D&M Plan, including as revised by Council-approved changes. Specific information regarding at least culverts, erosion control structures along watercourses and steep slopes, and corduroy roads in regulated wetlands is provided in Table 3.1.

Table 3.1 Location of Construction Materials Left in Place

D&M Plan Sheet Number	Construction Material Left in Place	Location
1 of 13	2 access road underdrains located along the elevated access road into the site.	south side of Tariffville Road
1 of 13	Structure 0011 construction pad remains permanently installed.	north side of Tunxis Avenue
2 of 13	3 permanent drainage culverts.	south side of Hatchett Hill Road
3 of 13	Reclaimed asphalt entrance; Rip-rap plunge pool adjacent to site entrance gate.	south side of Hatchett Hill Road
3 of 13	1 grassed drainage swale along the former wetland mat road between structures 0027 and 0029.	south of Holcomb Street
6 of 13	1 permanent stone wetland crossing through wetland W9-250 between structure 0056 and 0057.	south of Newgate Road
6 of 13	A series of infiltration pools along the east and west side of the access north off Newgate road.	north of Newgate Road
	Gravel and geotextile ramp to allow residential access across access road, per landowner request (LLN 1083).	
6 of 13	1 stone wall on the west edge of the ROW in the vicinity of structure 0062.	south of Wyncairne Drive

8 of 13	<p>1 wire 5' fence installed across the ROW adjacent to the gate north of structure 0073.</p> <p>1 permanent drainage culvert.</p> <p>Gravel ramp to allow residential access across access road, per landowner request (LLN 1148).</p>	south of Phelps Road
9 of 13	Bituminous access road to the Suffield Sportsman Club.	north of Phelps Road
9 of 13	At the landowner's request and due to the steepness of the slopes in this area, the construction pads for structures 0090 through 0093 remain permanently installed.	south of North Stone Street
10 of 13	At the landowner's request and due to the steepness of the slopes in this area, the construction pad for structure 0094 remains permanently installed.	south of North Stone Street
11 of 13	<p>The construction pad for structure 0105 remains permanently installed.</p> <p>Construction pads 0108, 0109, and 0110 remain permanently installed at the request of the land owner.</p> <p>1 row of 5-foot-tall wire fence across the ROW adjacent to the gate north of structure 0110.</p>	north of Ratley Road

Attachment 4
Location of Areas of Special Plantings

CL&P provided plantings within and adjacent to the right-of-way, based on its evaluation of construction impacts and discussions with certain property owners, primarily in East Granby where the taller split-phase line was constructed. Information regarding these special plantings is provided in Table 4.1.

Table 4.1 Location of Special Plantings

Line List Number	Landowner	Plantings
1036.00	Virginia Michaud East Granby, CT	1 area of shrub plantings and 4 mature trees southwest of structure 0029
1045.00	Stennis Wilson East Granby	1 area of shrub plantings northeast of structure 0032
1060.00	Glenn & Sherri Glade East Granby, CT	15 mature trees west of structure 0057
1061.00	Charles & Nancy Passeri East Granby, CT	7 mature trees northwest of structure 0057
1063.00	Henry & Debbie Collie East Granby, CT	2 areas of shrub plantings and 1 mature tree southwest of structure 0058
1064.00	Robert & Kelly Tubridy East Granby, CT	1 area of shrub plantings and 14 mature trees west of structure 0058
1074.00	Town of East Granby East Granby, CT	1 area of shrub plantings southeast of structure 0060
1066.00	Elizabeth & Robert Koehler East Granby, CT	4 mature trees northwest of structure 0058
1070.00	Matthew Bloom East Granby, CT	1 area of shrub plantings and 3 mature trees northwest of structure 0059
1075.00	Raymonde & Edward Daigle East Granby, CT	2 areas of shrub plantings southeast of structure 0060
1078.00	Brian & Erika Nagle East Granby, CT	2 areas of shrub plantings and 9 mature trees, north and west of structure 0060
1082.00	James & Elaine Feeney East Granby, CT	1 area of shrub plantings southwest of structure 0062
1083.00	Edward Pelletier East Granby, CT	1 area of shrub plantings and 1 mature tree west of structure 0062
1085.00	John & Judith Nielsen East Granby, CT	9 mature trees northwest of structure 0062

1087.00	Margaret Ouellette East Granby, CT	1 area of shrub plantings northeast of structure 0064 and 3 mature trees southeast of structure 0065
1088.00	Marko Jovic & Elaina Richie East Granby, CT	2 areas of shrub plantings southwest of structure 0064
1089.00	Dawn & Dennis Homer- Bouthiette East Granby, CT	1 area of shrub plantings and 10 mature trees west of structure 0064
1093.00	Gregory Thompson East Granby, CT	1 area of shrub plantings and 3 mature trees southwest of structure 0066
1095.00	Town of East Granby East Granby, CT	3 areas of shrub plantings along Wyncairne Drive between structures 0065 and 0066
1098.00	Water & Jane Rebenske East Granby, CT	1 area of shrub plantings and 1 mature tree north of structure 0067
1155.00	James & Patricia Sasanecki Suffield, CT	1 area of replacement shrub plantings north of structure 0082
1173.00	Helen & James Haley Suffield, CT	2 areas of shrub plantings and 3 mature trees southeast of structure 0097

Attachment 5
Actual Construction Cost of the Facility

The actual construction cost for the Project is as follows:

Cost Categories	Total (in \$1,000)
Clearing and Access	\$11,004
Overhead Construction	\$65,874
Substation Construction	\$59,026
ROW Rehabilitation	\$2,501
Property Rights Acquisitions	\$1,541
Total	\$139,946