Public Service Company of New Hampshire d/b/a Eversource Energy
2022 Vegetation Management Plan for review by the Department of Energy

November 15, 2021

Consistent with the terms of the Settlement Agreement in Docket No. DE 19-057, Public Service Company of New Hampshire d/b/a Eversource Energy ("Eversource" or the "Company") Is providing the vegetation management plan for calendar year 2022 for review by and discussion with the Department of Energy staff.[1]

As required by Section 6.2 of the Settlement Agreement, in November of each year Eversource is to file a proposed vegetation management plan setting out the proposed vegetation management work for the coming calendar year. That plan filing shall include the following:

A. A summary of budgeted costs by program (i.e. ETT/Hazard Tree Removal, SMT and Full-Width ROW Clearing).
B. Detailed information on each program as follows:
    i. ETT/Hazard Tree Removal: Town; Circuit Number; Total Circuit Miles; Scheduled Circuit Miles; and Circuit Ranking by SAIDI and SAIFI (Tree Related only).
    ii. SMT (Scheduled Maintenance Trimming, Mid-Cycle Trimming, Side Trimming and Customer Request Work, Hot Spot / Trouble Work, and Maintenance ETT): Town; Circuit Number; Total Circuit Miles; and Scheduled Circuit Miles.
    iii. SMT (ROW Maintenance Mowing and Side Trimming): ROW Number; ROW Name; Voltage; and Total Acreage; and the percentage of the clearing attributable to distribution if transmission ROW.
    iv. ROW Clearing: ROW Number; ROW Name; Voltage; and Total Miles; ROW Width; and the percentage of the clearing attributable to distribution if transmission ROW.

Included in the narrative below is a presentation of the proposed plan and estimated budgets using information known at this time. The detailed information on each program is provided at the end of the narrative and reflects the scheduled miles for the Company to maintain a 5-year maintenance cycle, in line with the 5-year cycle pruning requirements of the Commission's rule Puc 307.10. This plan is also based on the current pricing as agreed upon in the 2021-2024 contract with Eversource's vendors. Additionally, in the detailed plan at the end of this report the Company has included the relevant circuits and miles planned for 2022. The Company looks forward to discussing this plan with the Department of Energy.

2022 Projected Budget:

The table below provides a summary of the 2022 planned vegetation management program. The $36 million budget is a gross budget and does not include any reimbursements received from telephone company providers related to scheduled maintenance trim and hazard tree removal activities.

[1] In light of the transfer of the much of the Commission's personnel and responsibilities to the Department of Energy as of July 1, 2021, Eversource is providing to this plan to the Department Staff instead of the Commission's staff.

Eversource 2022 Planned Vegetation Management Activities	
VM Activity	Cost
Scheduled Maintenance Trim	$21,164,400
METT	$2,133,720
Mid Cycle	$250,000
Customer Work	$150,000
Hot Spot Work	$200,000
Police/Flagging	$100,000
Sub Transmission (Mowing/Side Trim)	$850,000
Distribution SMT Total	$24,848,120
Full Width Clearing	$1,000,000
Hazard Tree Removal	$9,000,000
Enhanced Tree Trimming	$1,150,000
Vegetation Management Program Total	$35,998,120

Scheduled Maintenance Trimming ("SMT") Program

The Company's SMT cycle is based on a 12,000-mile distribution overhead system. The Company's plan for 2022 is to have tree contractors perform SMT on 2,304.25 miles and the budgets were constructed around that plan. The table immediately below shows the proposed SMT trimming dollars and miles. The other programs will each have a respective table.

Eversource SMT Miles		
Total Miles = 2,304.25	Region	2022 Miles
Budget $21,164,400	SOUTHERN	530.69
	CENTRAL	462.17
	WESTERN	593.25
	EASTERN	427.25
	NORTHERN	290.89
	Total Annual Miles	2,304.25

Maintenance Enhanced Tree Trimming ("METT") Program

METT is maintenance trimming performed on miles that were previously subject to Enhanced Tree Trimming ("ETT"). The amount of METT changes each year based on the circuit schedule. As with the SMT, this work was also part of the 4-year contract that was put out to bid in 2020 and the budget and miles reflect the current pricing.

Eversource METT Miles		
Total Miles = 248.6	Region	2022 Miles
Budget $2,133,720	SOUTHERN	83.63
	CENTRAL	46.26
	WESTERN	51.14
	EASTERN	44.42
	NORTHERN	23.18
	Total Annual Miles	248.6

Mid-Cycle Work

Mid-cycle work is additional work completed on a circuit in between the standard cycle under the SMT. This can include vine removal and "cycle buster" type trees. This program is an emergent one and the budget is minimal as the Company is prioritizing the SMT cycle work with the funding available. If the need arises to address circuit miles with this application, the Company will work within the allocated budget to redistribute these funds.

Eversource Mid-cycle Miles		
Total Miles = TBD	Region	2022 Miles
Budget $250,000	SOUTHERN	
	CENTRAL	
	WESTERN	
	EASTERN	
	NORTHERN	
	Total Annual Miles	0

Customer Request Work

Customer Request work is generated or instigated to address an issue identified by a customer rather than as part of the scheduled or planned circuit miles. Most often, these are service trimming requests. The amount of Customer Request work changes every year. Eversource has encouraged customers through social media and the Company's website to consider hiring professionals to handle their tree concerns. However, due to the prevalence of invasive insects and diseases in New Hampshire, the Company sometimes learns about outbreaks and problematic trees or groups of trees from customers. The work needed to mitigate the issues posed by these trees is often performed by Eversource's contractors. Eversource has estimated $150,000 of expense related to customer work for 2022.

Eversource Customer Work		
Total Miles = TBD	Region	2022 Miles
Budget $150,000	SOUTHERN	
	CENTRAL	
	WESTERN	
	EASTERN	
	NORTHERN	
	Total Annual Miles	TBD

Hot Spot Program

The Hot Spot program addresses tree growth in between cycles. The Company has not allocated funds for this program, and any proposed circuit miles have not yet been identified. Eversource has estimated $200,000 of expense related to hot spot work for 2022.

Eversource Hot Spot Work		
Total Miles = TBD	Region	2022 Miles
Budget $200,000	SOUTHERN	
	CENTRAL	
	WESTERN	
	EASTERN	
	NORTHERN	
	Total Annual Miles	TBD

Police/Flagging Program

Police and flagging expenses are typically included in the cost of the individual programs and paid for by the contractors. However, there are times where emergent police and flagging costs are incurred. The Company has estimated $100,000 in funding for this work. Specific circuit miles are not relevant to these expenditures.

Eversource Police/Flagging		
Total Miles = N/A	Region	2022 Miles
Budget $100,000	SOUTHERN	
	CENTRAL	
	WESTERN	
	EASTERN	
	NORTHERN	
	Total Annual Miles	N/A

ROW Maintenance

The ROW maintenance program includes mowing and side trimming. The acres listed will be mowed. During the Quality Control inspection of the mowing, any tree limbs that are within 20 feet of the line will be noted and a crew will be sent to remove the limb(s).

Eversource ROW Maintenance		
Total Acres = 1,226.19	Region	2022 Acres
Budget $850,000	SOUTHERN	22.78
	CENTRAL	144.43
	WESTERN	123.32
	EASTERN	131.84
	NORTHERN	803.82
	Total Annual Acres	1,226.19

Full Width Clearing of ROW

This program identifies ROWs where enhanced clearing will benefit customers and workers. This work is competitively bid annually. The tree contractor clears brush and trees to the full easement width. At the edge of the easement, the bordering trees are trimmed from ground to sky. The Company's arborists work closely with abutting property owners to communicate the work needed.

Eversource Full Width ROW	Region	2022 Miles
Total Miles = 10.32	SOUTHERN	
Budget $1,000,000	CENTRAL	2.92
	WESTERN	
	EASTERN	
	NORTHERN	7.4
	Total Annual Miles	10.32

ETT Program

The Company has identified 56.26 miles of three phase circuits for ETT in 2022. These miles will be competitively bid annually. If the pricing allows for additional miles to be done, the Company will review the circuit list and identify more miles.

Eversource ETT Miles		
Total Miles = 56.26	Region	2022 Miles
Budget $1,150,000	SOUTHERN	2.06
	CENTRAL	8.47
	WESTERN	18.36
	EASTERN	20.69
	NORTHERN	6.68
	Total Annual Miles	56.26

Hazard Tree Program

The Company profiles the SMT circuits for hazard trees. Hazard trees are trees that should be removed rather than trimmed due to their potential to impact the electric system. It is a best practice to remove the dead, diseased and dying trees while trimming the circuit. The customers on whose property the hazard trees grow, and who, therefore, own the hazard trees, are engaged in a conversation for both programs. The total number of trees removed will be compiled monthly.

Eversource Hazard Tree Miles		
Total Miles = 2,552.88	**Region**	**2022 Miles**
Budget $9,000,000	**SOUTHERN**	614.32
	CENTRAL	508.43
	WESTERN	644.39
	EASTERN	471.67
	NORTHERN	314.07
	Total Annual Miles	**2,552.88**

The work force:

While Eversource currently has experienced professionals managing its Vegetation Management programs there are some longer-term concerns with the work force. There are very few programs in high school or college to attract students to Arboriculture/Forestry. It is a difficult job performed in all types of weather, usually aloft. This has had a direct impact on the work the Company does and the availability of trained individuals to do it, and, as has been seen in recent bids, has had a material impact on costs.

As noted above, the Company commenced a 4-year contract for SMT in NH and the pricing was dramatically higher than expected. Eversource's procurement agents worked diligently with the tree contractors to refine their bid prices. However, the final pricing in this competitive process required the Company to adjust the budget for SMT and METT. This cost does not include ROW mowing nor the emergent programs that are also included in the existing budget and plans for 2022.

Additionally, one of Eversource's contractors has alerted the Company that it cannot complete all of the awarded 2022 miles due to limited crew resources. This has required the Company to put the Nashua AWC SMT and METT miles back out to bid. The bids are due back in mid-November 2021. The final pricing for these miles (266) will determine if further redistribution of budgeted dollars is necessary.

Of additional note, Eversource continued to look for solutions with two newer pieces of equipment in 2021. Three mechanical trimmers (aka Jaraff, or SkyTrim) were utilized for selected miles of SMT. These units consist of a hydraulic boom mounted on a large tractor. At the end of the boom is an articulating circular saw. This tool works well in the right application, but it will probably not replace human occupied bucket trucks. The other new tool was a Rotor Blade helicopter unit. The helicopter has 10 saws attached to the helicopter and the unit can be used to "hedge/side trim" difficult- to- access ROW lines. Both units have a future in New Hampshire as "work force multipliers" and the Company will continue to explore other tools as they become available to improve vegetation management in New Hampshire.

In 2021 the Company contracted with tree companies that have not previously worked for Eversource in New Hampshire. This was necessary due to the lack of tree crew resources available in the Northeast. The additional companies are Nelson Tree Service in Dayton, OH, Stanley Tree Service in Smithfield, RI and Wright Tree Service in West Des Moines, IA. The Company also brought in a specialized tree removal team from Distinctive Tree Care in South Windsor, CT to assist in removing hazardous Emerald Ash Borer infected trees.

The Company will continue to look for tree companies with the crew resources and skills to work on our system. There are emerging developments in equipment that can reduce the amount of workers needed to complete a tree task, and as they become available the Company will ask to be included in any field testing or trials of these tools to help assess their safety, efficiency and effectiveness. Vegetation Management is a vitally important component of safe, reliable electric service and the cost to perform this work continues to increase.

Eversource 2022 Planned Vegetation Management Activities Detail

Eversource 2022 Vegetation Management Activities Budget Summary	
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2022 Scheduled Maintenance Trimming

AWC	TOWN	CIRCUIT	TOTAL CIRCUIT MILES	SMT MILES	METT MILES
EPPING	Newmarket	13H1_65	0.3	0.30	
EPPING	Newmarket	13H2_65	6.44	6.44	
EPPING	Raymond	3103X _65	20.65	20.65	
EPPING	Fremont	3103X1_65	49.01	38.30	10.71
EPPING	Raymond	3115X14_65	6.15	6.15	
EPPING	Lee	3137X10_65	14.62	14.62	
EPPING	Northwood	3137X80_65	8.81	8.81	
EPPING	Durham	3152X_65	18.51	18.51	
EPPING	Durham	3162X1_65	20.88	20.88	
EPPING	Durham	377X1_65	4.9	3.08	1.82
EPPING	Epping	377X11_65	4.12	4.12	
EPPING	Epping	377X12_65	0.39	0.39	
EPPING	Epping	377X13_65	0.29	0.29	
EPPING	Epping	377X14_65	0.12	0.12	
EPPING	Epping	377X17_65	0.04	0.04	
EPPING	Epping	377X18_65	0.59	0.59	
EPPING	Lee	377X29_65	4.12	4.12	
EPPING	Epping	377X3_65	16.52	16.52	
EPPING	Epping	377X7_65	16.94	9.51	7.43
EPPING	Durham	380X2 _65	4.63	4.63	
PORTSMOUTH	Portsmouth	16W4_63	4.07	4.07	
PORTSMOUTH	Portsmouth	3102X1_63	0.52	0.52	
PORTSMOUTH	North Hampton	3112X3_63	4.77	4.77	
PORTSMOUTH	North Hampton	3172X2_63	5.06	5.06	
PORTSMOUTH	Greenland	3191X9_63	3.68	2.05	1.63
PORTSMOUTH	Portsmouth	339X3_63	0.95	0.95	
PORTSMOUTH	Portsmouth	339X8_63	2.92	1.46	1.46
PORTSMOUTH	Newington	3850X5_63	1.66	0.81	0.85
PORTSMOUTH	Portsmouth	58W1_63	2.35	0.54	1.81
ROCHESTER	Dover	3148X3_61	14.5	14.50	
ROCHESTER	New Durham	3174X4_61	34.99	28.14	6.85
ROCHESTER	Rochester	340X11_61	0.62	0.62	
ROCHESTER	New Durham	362X2 _61	76.61	45.96	
ROCHESTER	Farmington	362X3 _61	2.24	2.24	
ROCHESTER	Farmington	362X4 _61	5.55	5.55	
ROCHESTER	Rochester	371X6_61	0.16	0.16	
ROCHESTER	Rochester	371X7_61	0.3	0.30	
ROCHESTER	Dover	38W2 _61	32.06	27.19	4.87
ROCHESTER	Rochester	392X_61	2.81	2.81	
ROCHESTER	Strafford	392X1_61	65.63	61.68	3.95
ROCHESTER	Rollinsford	51H1_61	8.83	5.79	3.04
ROCHESTER	Dover	54H1 _61	4.64	4.64	
ROCHESTER	Dover	54H2 _61	6.02	6.02	
ROCHESTER	Milton	57W1_61	23.35	23.35	
NASHUA	Nashua	3154X1_21	22.62	21.47	1.15
NASHUA	Hollis	3154X2_21	38.99	34.76	4.23
NASHUA	Wilton	314X4_22	97.5	91.53	5.97
NASHUA	Nashua	40W1_21	11.21	11.21	
NASHUA	Merrimack	3159X_21	48.25	48.25	
NASHUA	Nashua	353X3_21	3.37	3.37	
NASHUA	Nashua	353X4_21	3.59	3.59	
NASHUA	Nashua	353X5_21	4.72	4.72	
NASHUA	Nashua	353X6_21	1.08	1.08	
NASHUA	Litchfield	383X2	8.91	8.91	
NASHUA	Hudson	389X8_21	1.17	1.17	
NASHUA	Hudson	3175X3_21	1.72	1.72	
NASHUA	Hudson	3175X5_21	1.89	1.89	
NASHUA	Nashua	3168X_21	21.19	21.19	
DERRY	Litchfield	383X1_21	0.02	0.02	
DERRY	Litchfield	383X2_21	8.97	8.93	
DERRY	Hudson	383X3_21	6.76	6.76	
DERRY	Derry	32W1_23	26.15		4.89
DERRY	Derry	32W3_23	10.31		4.65
DERRY	Derry	32W4_23	21.16		3.23
DERRY	Derry	32W5_23	31.88		5.33
DERRY	Derry	8W1_23	3.96	3.96	
DERRY	Derry	26W1_23	7.67	7.25	0.42

Region	SMT Miles	METT Miles	Total Miles
Eastern	427.25	44.42	471.67
Southern	530.69	83.63	614.32
Northern	290.89	23.18	314.07
Central	462.17	46.26	508.43
Western	593.25	51.14	644.39
Total	**2,304.25**	**248.63**	**2,552.88**

2022 Scheduled Maintenance Trimming					
AWC	TOWN	CIRCUIT	TOTAL CIRCUIT MILES	SMT MILES	METT MILES
DERRY	Londonderry	365X_23	23.63		3.61
DERRY	Londonderry	3128X_23	83.79	76.38	7.41
DERRY	Derry	3141X_23	125.44	96.46	28.98
DERRY	Hampstead	3818_23	84.02	76.07	7.95
DERRY	Londonderry	3184X_23	32.05		5.81
BERLIN	Milan	3525X4_77	28.97	27.81	1.16
BERLIN	Gorham	350X1_77	4.11	2.86	1.25
BERLIN	Gorham	350X2_77	18.97	7.92	11.05
BERLIN	Shelburne	350X3_77	15.7	15.70	
BERLIN	Gorham	351X3_77	2.92	0.63	2.29
BERLIN	Randolph	351X4_77	20.1	20.10	
BERLIN	Randolph	351X5_77	0.22	0.22	
BERLIN	Berlin	3521_77	7.48	7.48	
LANCASTER	Dalton	348X8_76	7.92	7.92	
LANCASTER	Whitefield	351X1_76	4.43	4.43	
LANCASTER	Northumberland	355X1_76	12.97	12.97	
LANCASTER	Northumberland	355X2_76	3.02	3.02	
LANCASTER	Stratford	355X3_76	16.53	16.53	
LANCASTER	Stratford	355X4_76	0.72	0.72	
LANCASTER	Stratford	355X5_76	7.87	7.87	
LANCASTER	Columbia	355X6_76	9.82	9.82	
LANCASTER	Columbia	355X7_76	5.15	5.15	
LANCASTER	Whitefield	376X1_76	12.36	12.36	
LANCASTER	Northumberland	376X2_76	4.5	4.50	
LANCASTER	Northumberland	376X3_76	0.96	0.96	
LANCASTER	Northumberland	376X4_76	0.91	0.91	
LANCASTER	Northumberland	376X5_76	1.85	1.85	
LANCASTER	Lancaster	376X6_76	8.92	6.83	2.09
LANCASTER	Piermont	45W1_43	9.73	9.73	
TILTON	Tilton	337X10_42	2.25	2.25	
TILTON	Laconia	345X5_41	6.7	3.91	2.79
TILTON	Northfield	3798X2_42	14.99	14.99	
TILTON	Belmont	398X2_41	31.09	31.09	
TILTON	Franklin	39H1_42	6.83	6.83	
CHOCORUA	Ossipee	19W1_45	46.08	43.53	2.55
Hooksett	Pembroke	34W18_11	20.65	20.65	
Hooksett	Pembroke	334X18_11	8.34	8.34	
Hooksett	Pembroke	334X8_11	1.6	1.60	
Hooksett	Pembroke	44W2_11	26.54	26.54	
Hooksett	Allenstown	334X17_11	3.18	3.18	
Hooksett	Allenstown	334X163_11	0.07	0.07	
Hooksett	Pembroke	334X11_11	0.16	0.16	
Hooksett	Allenstown	334X6_11	0.02	0.02	
Hooksett	Allenstown	334X43_11	0.18	0.18	
Hooksett	Hooksett	14X38_11	0.32	0.32	
Hooksett	Auburn	14W7_11	15.9	12.59	3.31
Hooksett	Manchester	16W3_11	21.43	19.41	2.02
Hooksett	Manchester	16W1_11	8.97	8.97	
Hooksett	Auburn	14X126A_11	8.41	4.28	4.13
Hooksett	Manchester	3615X3_11	16.89	13.09	3.80
Hooksett	Manchester	3130X_11	25.21	22.31	2.90
Hooksett	Manchester	393X8_11	2.65	1.03	1.62
Hooksett	Londonderry	324X8_11	8.51	8.51	
Hooksett	Manchester	324X10_11	12.67	12.67	
Hooksett	Londonderry	324X12_11	1.88	0.84	1.04
Hooksett	Londonderry	324X4_11	0.98	0.98	
Hooksett	Manchester	393X11_11	2.22	2.22	
Hooksett	Manchester	393X3_11	1.55	1.55	
Hooksett	Manchester	22W1_11	8.36	8.36	
Hooksett	Manchester	22W2_11	7.86	6.56	1.30
Hooksett	Manchester	370X_11	7.25	5.64	1.61
Hooksett	Manchester	14W2_11	7.73	7.73	
Hooksett	Manchester	325X7_11	8.38	8.38	
Hooksett	Manchester	14X118_11	1.07	1.07	
Hooksett	Manchester	14X188_11	8.66	8.66	
Hooksett	Manchester	325X2_11	3.92	3.92	
Hooksett	Manchester	14X109_11	2.5	2.50	

2022 Scheduled Maintenance Trimming					
AWC	TOWN	CIRCUIT	TOTAL CIRCUIT MILES	SMT MILES	METT MILES
Hooksett	Manchester	14X121_11	0.49	0.49	
Hooksett	Manchester	14X126B_11	0.5	0.50	
Hooksett	Manchester	14X128A_11	0.03	0.03	
Hooksett	Manchester	14X130_11	0.05	0.05	
Hooksett	Manchester	14X134_11	0.03	0.03	
Hooksett	Manchester	14X135_11	1.37	1.37	
Hooksett	Manchester	14X135Y_11	0.08	0.08	
Hooksett	Manchester	14X136_11	0.74	0.74	
Hooksett	Manchester	14X178_11	1.94	1.94	
Hooksett	Manchester	19X6_11	0.22	0.22	
Hooksett	Manchester	393X10_11	0.02	0.02	
Hooksett	Manchester	393X10A_11	0.04	0.04	
Hooksett	Manchester	393X32_11	0.53	0.53	
Hooksett	Manchester	393X33_11	0.02	0.02	
Hooksett	Manchester	393X38_11	0.02	0.02	
Hooksett	Manchester	393X4_11	0.3	0.30	
Hooksett	Manchester	393X40_11	0.33	0.33	
Hooksett	Manchester	393X44_11	0.28	0.28	
Hooksett	Manchester	19X5_11	0.26	0.26	
Hooksett	Manchester	325_11	3.5	3.50	
Bedford	Weare	3108_12	59.1	55.98	3.12
Bedford	New Boston	85W1_12	65.03	63.42	1.61
Bedford	Weare	3108X1_12	10.5	7.65	2.85
Bedford	Goffstown	360X11_12	8.21	8.21	
Bedford	New Boston	79W4_12	11.94	7.68	4.26
Bedford	New Boston	360X7_12	18.43	16.90	1.53
Bedford	Goffstown	334X2_12	16.55	13.28	3.27
Bedford	Goffstown	3151X2_12	0.77	0.77	
Bedford	Goffstown	327X8_12	4.33	4.33	
Bedford	Goffstown	360X13_12	0.62	0.62	
Bedford	Goffstown	327X9_12	1.57	1.57	
Bedford	Goffstown	322X3_12	2.44	2.44	
Bedford	Merrimack	3164X3_12	16.49	13.45	3.04
Bedford	Bedford	3151X49_12	1.23	1.23	
Bedford	Bedford	3151X 9_12	3.13	3.13	
Bedford	Bedford	3151X10_12	7.19	5.69	1.50
Bedford	Manchester	3151X52_12	3.2	3.20	
Bedford	Manchester	21W1_12	4.58	1.23	3.35
Bedford	Hooksett	335X1_12	8.4	8.40	
Bedford	Manchester	18W1_12	8.99	8.99	
Bedford	Manchester	335X4_12	0.02	0.02	
Bedford	Manchester	3142_12	0.47	0.47	
Bedford	Hooksett	335X8_12	0.34	0.34	
Bedford	Hooksett	335X7_12	0.03	0.03	
Bedford	Hooksett	335X6_12	0.06	0.06	
KEENE	Nelson	76W7_31	169.91	157.08	12.83
KEENE	Harrisville	53H1_31	34.01	34.01	
KEENE	Hancock	33W1_36	55.75	50.55	5.20
KEENE	Rindge	3120X3_36	14.05	11.58	2.47
KEENE	Keene	W185_31	20.65	15.11	5.54
KEENE	Winchester	3178X5_31	10.07	10.07	
NEWPORT	Newport	42X3_32	75.01	73.31	1.70
NEWPORT	Bradford	3410_32	153.87	138.59	15.28
NEWPORT	New London	48W1_32	36.87	36.87	
NEWPORT	Newbury	316X2_32	39.28	33.88	5.40
NEWPORT	Croydon	315X2_32	15.88	15.88	
NEWPORT	Sunapee	3410X1_32	7.23	7.23	
NEWPORT	Claremont	61W2_32	7.06	4.34	2.72
NEWPORT	Newport	42X1_32	1.09	1.09	
NEWPORT	Claremont	46W1_32	3.66	3.66	
Total			**2,701.23**	**2,304.25**	**248.63**

2022 Distribution ROW Maintenance Mowing

Central AWCs	Circuit/Location	Voltage	ACRES
Bedford	323 Reeds Ferry S/s - Kinsman In 323/53	34.5kV	35.39
Bedford	3614x3 N. Union Tap	34.5kV	14.50
Hooksett	3614 Huse Rd S/S - Pine Hill S/S	34.5kV	26.42
Bedford	3194 Greggs S/S - New Boston Tracking Station S/S	34.5kV	68.12
Southern AWCs	**Circuit/Location**	**Voltage**	**ACRES**
Derry	365X Ash St S/S - Str. 365X/38	34.5kV	22.78
Eastern AWCs	**Circuit/Location**	**Voltage**	**ACRES**
Rochester	3157 N. Rochester S/S - Sanbornville S/S	34.5kV	108.48
Rochester	399 Knox Marsh S/S - Str. 399/103B	34.5kV	12.12
Rochester	399 Str. 399/94A - 399/87	34.5kV	4.24
Rochester	399 Stark Ave Tap	34.5kV	7.00
Western AWCs	**Circuit/Location**	**Voltage**	**ACRES**
Newport	315 North Road S/S - Newport S/S	34.5kV	46.97
Keene	W110 Keene S/S - Bradford Road	34.5kV	34.30
Keene	W-15 Str. 15/68 - Str. 15/95	34.5kV	25.33
Keene	W185 Str. 185/49 -	34.5kV	16.72
Northern AWCs	**Circuit/Location**	**Voltage**	**ACRES**
Lancaster	355 Canaan S/S - Lyman Falls S/S	34.5kV	313.22
Lancaster	355x1 Lost Nation S/S - Lyman Fall S/S	34.5kV	100.19
Lancaster	384 Lost Nation S/S - Groveton Paper	34.5kV	9.81
Tilton	Franklin Tap 3548 Franklin S/S - 3548x2 TAP	34.5kV	6.67
Tilton	337 Quint-T Tap: J-125 T ROW - Quint T S/S	34.5kV	11.15
Tilton	337 S Laconia Tap: S Laconia S/S - J-125 T ROW	34.5kV	14.07
Tilton	3625 Messer St S/S - Opeechee S/S	34.5kV	23.03
Tilton	345 Opeechee S/S - Ayers Island S/S	34.5kV	203.87
Tilton	338 Ashland S/S - NHEC Meredith	34.5kV	105.45
Chocorua	336X K124 115KV - Swan Falls Hydro Freyburg	34.5kV	16.36

Note: All ROWs are considered distribution

Region	Acres
Central	144.43
Southern	22.78
Eastern	131.84
Western	123.32
Northern	803.82
Total	**1,226.19**

2022 Full Width Clearing of ROW

AWC	Feeder	Scheduled Miles	ROW Width	Primary Town	Voltage
Tilton	319	7.4	100	Loudon	34.5kv
Bedford	323	2.92	100	Merrimack	34.5kv
Total Miles		**10.32**			

Note: All ROWs are considered distribution

Eversource ETT 2022 Work Plan						
AWC	**Circuit**	**Total Circuit Miles**	**Scheduled Circuit Miles**	**Town**	**Circuit Ranking by Tree SAIDI**	**Circuit Ranking by Tree SAIFI**
Bedford	27W2_12	12.06	0.82	Goffstown	79	59
Bedford	311X1_12	35.8	2.75	Henniker	180	151
Bedford	3173X1_12	69.03	1.39	Hillsborough	57	84
Bedford	3164X2_12	1.43	0.21	Merrimack	379	394
Bedford	360X13_12	0.62	0.62	Goffstown	N/A	N/A
Bedford	3151X9_12	2.95	0.35	Bedford	N/A	N/A
Bedford	3142_12	0.28	0.38	Manchester	N/A	N/A
Bedford	12W2_12	4.3	0.53	Manchester	N/A	N/A
Bedford	12W3_12	4.77	0.42	Manchester	325	386
Nashua	23W7_22	7.62	1.88	Milford	419	420
Nashua	23H3_22	3.06	0.18	Milford	N/A	N/A
Hooksett	14X188_11	8.66	1	Manchester	N/A	N/A
Keene	313X4_36	10.69	0.38	Peterborough	359	312
Keene	3140_36	58.21	2.94	Hillsborough	86	100
Keene	55H1_36	13.81	1.5	Peterborough	271	291
Keene	3155X9_22	57.8	0.95	Greenville	124	155
Newport	46W1_32	3.66	1.99	Claremont	N/A	N/A
Newport	42X4_32	10.6	10.6	Goshen	N/A	N/A
Epping	3191X5_65	2.09	0.65	Newmarket	235	222
Epping	377X10_65	3.29	0.29	Epping	408	402
Portsmouth	3102X6_63	2.59	1.4	Portsmouth	N/A	N/A
Portsmouth	3850X7_63	11.49	1.71	Newington	281	274
Portsmouth	71W3_63	8.44	2.56	Portsmouth	431	440
Portsmouth	3112X1_63	3.65	2.11	North Hampton	284	66
Rochester	73W1_61	39.37	1.77	Wakefield	29	92
Rochester	392X2_61	9	0.43	Rochester	123	36
Rochester	399X13_62	4.83	1.2	Dover	250	186
Rochester	362X1_61	12.8	0.73	Rochester	301	284
Rochester	392X4_61	9.95	0.26	Rochester	136	150
Rochester	392X5_61	11.66	0.73	Rochester	302	324
Rochester	3157X2_61	1.48	0.72	Rochester	335	73
Rochester	54H1_61	4.73	0.68	Dover	N/A	N/A
Rochester	42H2_61	2.64	1.32	Somersworth	442	410
Rochester	340X1_61	5.12	1.62	Rochester	385	367
Rochester	340X5_61	5.93	2.21	Rochester	N/A	N/A
Rochester	340X2_61	0.3	0.3	Rochester	N/A	N/A
Tilton	20W1_42	56.58	2.41	Bristol	74	153
Tilton	31W2_64	38.4	1.28	Loudon	65	98
Tilton	337X8_42	11.18	0.94	Franklin	215	196
Tilton	3798X4__42	8.67	0.61	Tilton	N/A	N/A
Tilton	90H1_64	10.77	1.17	Pittsfield	416	422
Tilton	310X5_41	4.14	0.27	Gilford	306	205

Note: N/A indicates that the circuit is not ranked on the 2020 Tree Related Outages Circuit Hit List

Region	ETT Scheduled Miles
Central	8.47
Southern	2.06
Western	18.36
Eastern	20.69
Northern	6.68
Total	**56.26**

N/A is when SAIDI/SAIFI = 0