

Liberty Utilities (Granite State Electric)
Corp. d/b/a Liberty Utilities

Reliability Enhancement Plan (REP) and
Vegetation Management Plan (VMP)
Report for Calendar Year Stub 2013
(April 1, 2013 – December 31, 2013)

March 31, 2014

Submitted by:



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Introduction

Pursuant to the Secretarial Letter issued on April 3, 2013 in Docket No. DE 13-039, Liberty Utilities (Granite State Electric) Corp. d/b/a Liberty Utilities (“Liberty” or “Company”) is submitting the results of the Reliability Enhancement Plan (“REP”) and Vegetation Management Plan (“VMP”) for Calendar Year Stub 2013 (“CYS 2013”), representing the period April 1, 2013 through December 31, 2013. This report contains the following information:

- 1) A comparison of actual to budgeted spending on operating and maintenance (“O&M”) activities related to the REP and VMP in CY 2013. Table 3 in Section 1 of this report shows that total actual spending for this period was \$744,160 or \$494,040 less than the budgeted amount of \$1,238,200.
- 2) A comparison of actual investment to budgeted spending on capital projects for REP in CY 2013. Table 4 in Section 2 of this report shows that the total capital investment recorded on Granite State’s books in CY 2013 was \$416,755¹. This actual investment is \$244,245 less than the budgeted amount of \$661,000.
- 3) A request to refund customers \$275,840 which is the amount of expense below the Base Plan O&M pro-rated amount of \$1,020,000 recovered in distribution rates during CY 2013 that was approved by the Secretarial Letter. The refund amount consists of \$35,861 of O&M spending for the REP and VMP above the Base Plan O&M amount of \$1,020,000 less \$311,701 in credits for vegetation management reimbursements from FairPoint Communications (“FairPoint”), as discussed in more detail in Section 1 below.

¹ A portion of the investment associated with CY 2013 capital projects was not booked until 2014. Amounts booked in 2014 will be included in the 2015 REP rate adjustment.

- 4) A request for an incremental REP Capital Investment Allowance of \$38,716, representing the revenue requirement associated with \$416,755 of capital investment for CYS 2013. This incremental REP Capital Investment Allowance would be included in rates effective for usage on and after June 1, 2014, and;
- 5) A summary of reliability performance for CYS 2013.

The Company is submitting the joint testimony of Christian Brouillard and Jeffrey Carney, which provides further information regarding the Company's actual O&M cost and capital investment made during CYS 2013. In addition, the testimony of David Simek addresses the Company's request for a net decrease in distribution rates associated with the REP/VMP Adjustment Provision and the REP Capital Investment Allowance described above, and includes a proposed rate design, typical bill impacts, and updated clean and revised tariff pages.

Section 1: CYS 2013 Budget versus Actual O&M Expenses for Reliability Enhancement and Vegetation Management

The Company provides an O&M budget to Commission Staff that assumes the REP and VMP O&M spending for each year that is approximately equal to the Base Plan O&M of \$1,360,000. In addition, the Company also provides an alternative O&M Budget for consideration by Commission Staff that exceeds the O&M Base Amount.

Combined with the expenses associated with REP capital improvements, the Company submitted an O&M budget for CYS 2013 of 1,238,200 on January 30, 2013. That budget amount was higher than the amount included in distribution rates during CYS 2013 (\$1,020,000 as discussed above). The Commission's Staff subsequently expressed its support for the budget. The CYS 2013 budget included a vegetation budget of \$1,171,200 and an O&M related to capital expenditures budget of \$67,000.

As shown in Table 3, the Company's actual total spending level for CYS 2013 was \$1,055,861 for O&M activities related to the REP and VMP, or \$182,339 less than the filed budgeted amount of \$1,238,200, but above the amount recovered through distribution rates. Further offsetting the CYS 2013 spending is \$311,701 in reimbursements from FairPoint related to its share of vegetation management expenses initially incurred by the Company and then billed to FairPoint which are being passed back to customers. Budget variances related to the total CYS 2013 REP and VMP O&M spending are described below. In addition, Appendix 1 shows the actual VMP O&M expenses by month, while Appendix 2 contains the work plan of completed VMP O&M activities by feeder.

Table 1. Calendar Year Stub 2013 REP O&M Activities

Activities	CY 2013 O&M Cost Proposal	CY 2013 Actual O&M Cost
O&M related to Capital Expenditures	\$67,000	\$60,745
Total	\$67,000	\$60,745

Table 2. Calendar Year Stub 2013 VMP O&M Activities

<u>Activities</u>	<u>CYS 2013 Budgeted Expenses</u>	<u>CYS 2013 Actual Expenses</u>
Spot Tree Trimming	\$47,400	\$32,485
Trouble and Restoration Maintenance	\$47,400	\$28,474
Planned Cycle Trimming	\$584,500	\$539,933
Cycle Trimming Police Detail Expenses/Other Police Detail Expenses	\$68,000 \$17,200	\$67,831 (combined)
Hazard Tree Removal -Enhanced Hazard Tree -Optional Enhanced Hazard tree	\$300,000 \$0	\$258,854 \$0
Interim Trimming	\$45,900	\$35,051
Tree Planting	\$800	\$1,179
Other Police Detail Expenses	See above	See Above
Sub-transmission Right of Way Clearing	\$60,000	\$31,308
Contractor Administration	\$0	\$0
Total	\$1,171,200	\$995,115

Table 3. Calendar Year Stub 2013 Total O&M Costs

<u>Activities</u>	<u>CY 2013 O&M Cost Proposal</u>	<u>CY 2013 Actual O&M Cost</u>
REP O&M	\$67,000	\$60,745
VMP O&M	\$1,171,200	\$995,115
Total O&M	\$1,238,200	\$1,055,861
Less Reimbursements from FairPoint	-	\$311,701
Total	\$1,238,200	\$744,160

The Company completed all of the vegetation management work contained in its CYS 2013 plan. Overall, actual CYS 2013 expenses incurred for VMP O&M activities amounted to \$995,115 or \$176,085 less than the proposed budget of \$1,171,200. The spending variance is the result of several factors. First, bid prices for cycle pruning were lower than expected resulting in lower than forecast unit prices. Second, the Company spent less than anticipated for spot tree trimming, sub-transmission right of way clearing and trouble and restoration calls. This is due to

the fact that some of these activities are demand driven and the Company experienced lower demand for these activities during CYS 2013 than forecasted.

Offsetting these factors, the tree planting budget was exceeded due to an increase in the number of “right tree right place” tree planting in exchange for tree removals. In summary, the Company was able to complete all of the work it planned on completing at a lower cost than originally anticipated. Finally, as previously noted, partially offsetting the total VM O&M spending of \$995,115 were reimbursements from FairPoint of \$311,701 for its share of vegetation management costs, resulting in an effective VM O&M cost for CYS 2013 of \$683,414.

The Company spent \$60,745 in O&M costs associated with the REP programs. This spending represents \$6,255 less than the proposed budget of \$67,000. The total O&M costs for VM and REP programs was \$1,055,861, not including FairPoint reimbursements, which were \$182,339 less than the budgeted amount of \$1,238,200 for the reasons detailed above.

Section 2: Calendar Year Stub Capital Budget versus Investment for Reliability Enhancement

The Company proposed a \$661,000 REP capital budget in CYS 2013, in addition to the \$67,000 in O&M costs for REP, as shown in Table 1. As discussed with Commission Staff, the Company budgeted this amount to install two single phase reclosers and two trip savers in radial scheme applications. A significant portion of this budget was also targeted towards the re-conductoring of 1.8 miles of bare mainline primary conductor with spacer cable and for mitigation of underperforming areas that have a history of outages. The results for CYS 2013 are shown in Table 4 below.

Table 4. Summary of Calendar Year Stub 2013 REP Capital Investment

Projects	CYS 2013 Goal	CYS 2013 Actual	CYS 2013 Capital Investment Budget	CYS 2013 Actual Capital Investment (FERC 101/106/108)
Single Phase Reclosing Applications	2	2	\$56,000	\$73,619
Single Phase Trip Saver Applications	2	1	\$34,000	\$4,051
Underperforming Area Mitigation	2	2	\$112,000	\$18,359
Bare Conductor Replacement	1 mile	1.8 miles	\$459,000	\$320,726
Total			\$661,000	\$416,755

In CY 2013, two new single phase reclosers and one new “Trip Saver” cutout mounted reclosing devices were installed. Single phase reclosers and “Trip Saver” cutouts target circuit segments that would realize reliability benefits from single phase tripping and reclosing and from isolating faults down to the smallest single phase segment possible. These devices are designed to interrupt circuit segments following a transient or temporary fault condition then automatically restore the segment after a short period to allow the fault to clear. These devices not only improve reliability of service, but also avoid the cost of dispatching a trouble shooter or line crew to the scene to replace the fuse.

Approximately 1.8 miles of bare mainline primary conductor were replaced with spacer cable in a tree outage prone area that is too costly to rely on vegetation management practices alone to mitigate feeder lockouts. The application of spacer cable, a covered conductor resistant to tree related outages, significantly improves mainline circuit performance during windy and

stormy conditions as well as affording protection against incidental tree-conductor contact at the end of the trim cycle and contact resulting from branches falling from above the trim zone.

Two additional single phase reclosers were installed for mitigation of underperforming areas that have a history of tree, deterioration, animal, or lightning caused outages. These areas are the source of periodic customer complaints, particularly following storm and wind events.

Appendix 2 provides additional details regarding the capital projects.

As shown above, Table 4 compares the budgeted capital expenditures against the value of FERC Account 101/106/108 electric plant additions placed in service plus removals. These CYS 2013 plant additions form the basis for the REP capital-related revenue requirement calculation provided in Mr. Simek's testimony included in this filing. Key factors contributing to the difference between the CYS 2013 budgeted amount and the CYS 2013 actual capital investment are (1) timing differences due to budgeted amounts from the current calendar year (CYS 2013) being placed into service in CY 2014, or due to CYS 2013 spending for plant not placed into service in CYS 2013, which can typically occur as capital work is performed, completed, invoiced to vendors, and processed through the accounting system, (2) the changes in actual versus estimated costs as site specific requirements are determined by inspection or detailed design and (3) changes in project scopes. A more detailed description of the variance in each of the REP projects is provided below:

Single Phase and "Trip Saver" Reclosing Applications: The variance in this program was mainly due to change of scope in the projects that were proposed. Three single phase reclosers were added to the scope of the program in place of three single phase "Trip Saver" cutout devices. This change in scope targeted a reliability improvement on the Spicket River 13L3 feeder. The location chosen on the Spicket River 13L3 for

application of single phase tripping was more suitable for single phase reclosers rather than single phase “trip savers.” This resulted in only one Single Phase ‘Trip Saver’ application completed during calendar year stub 2013, rather than two applications as was originally intended for the reasons mentioned above. For further details regarding the REP Program Results see Appendix 3.

Underperforming Area Mitigation: The plant in service costs (Capital Investment, FERC 101/106/108) for the Underperforming Area Mitigation program in CYS 2013 was driven by invoices paid in CY 2014 for work on the Vilas Bridge 12L2 and Spicket River 13L2 feeders that was completed in 2013 but not yet booked to plant in service until CY 2014. The mitigation consisted of installing three single phase reclosers in the underperforming areas of each feeder. The variance was driven by carry over work that was completed after calendar year stub 2013. The accounting for this work was processed in 2014 with the results reflected in calendar year 2014 as shown in Table 5 below.

Bare Conductor Replacement: The variance in the Bare Conductor Replacement Program was driven primarily by changes in the scope of work. During conceptual engineering, one mile of bare mainline conductors were identified for replacement. However during final engineering, an opportunity was identified to replace additional conductors up to the first protective reclosing device. This resulted in an additional 0.8 miles of bare mainline replacement. There was also carryover work that was completed in early 2014, after calendar year stub 2013 which resulted in charges booked during calendar year 2014. Construction of full 1.8 miles of spacer cable was completed and was placed in service by December 31, 2013. The processing of material and contractor

invoices delayed capture of the investment into 2014. The variance was also driven by additional rock drilling costs, additional pole replacements and installation of additional anchors than was originally identified.

As shown below, Table 5 compares the budgeted capital expenditures against the value of FERC Account 101/106/108 electric plant additions placed in service plus removals for calendar year stub 2013 and for related work that carried over into calendar year 2014. Expenditures for each REP Project are indicated in separate columns for the actual capital investment through 2013, the capital placed into service in 2014, and the total capital placed in service in 2013 and 2014. Revenue requirement and Rate impact calculations are based upon CYS 2013 Actual Capital Investment only.

Table 5. Summary of CYS 2013 and CY 2014 Carryover REP Capital Investment

Projects	CYS 2013 Goal	CYS 2013 Actual	CYS 2013 Capital Investment Budget (FERC 101/108)	CYS 2013 Actual Capital Investment (FERC 101/106/108)	CY 2014² Actual Capital Investment (FERC 101/106/108)	TOTAL Actual Capital Investment (FERC 101/106/108)
Single Phase Reclosing Applications	2	2	\$56,000	\$73,619	\$124,405	\$198,024
Single Phase Trip Saver Applications	2	1	\$34,000	\$4,051	\$8,973	\$13,025
Underperforming Area Mitigation	2	2	\$112,000	\$18,359	\$259,527	\$277,887
Bare Conductor Replacement	1 mile	1.8 miles	\$459,000	\$320,726	\$759,550	\$1,080,276

² The Actual CY 14 Capital Investment presented is an estimate and is being reviewed for accuracy.

Total			\$661,000	\$416,755	\$1,152,456	\$1,569,211
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As set forth in Mr. Simek’s testimony, the revenue requirement associated with actual
CYS 2013 capital investment of \$416,755 is \$38,716.

Section 3: Reliability Results – Calendar Year Stub 2013

Metrics for CYS 2013 are presented in Table 6 below based on both the regulatory
standard for excluding major weather events and the IEEE Standard 1366 method for excluding
major weather events. The metrics include customers interrupted (“CI”), customer minutes
interrupted (“CMI”), system average interruption frequency index (“SAIFI”), and system
average interruption duration index (“SAIDI”).

Table 6. Calendar Year Stub 2013 Reliability Results³

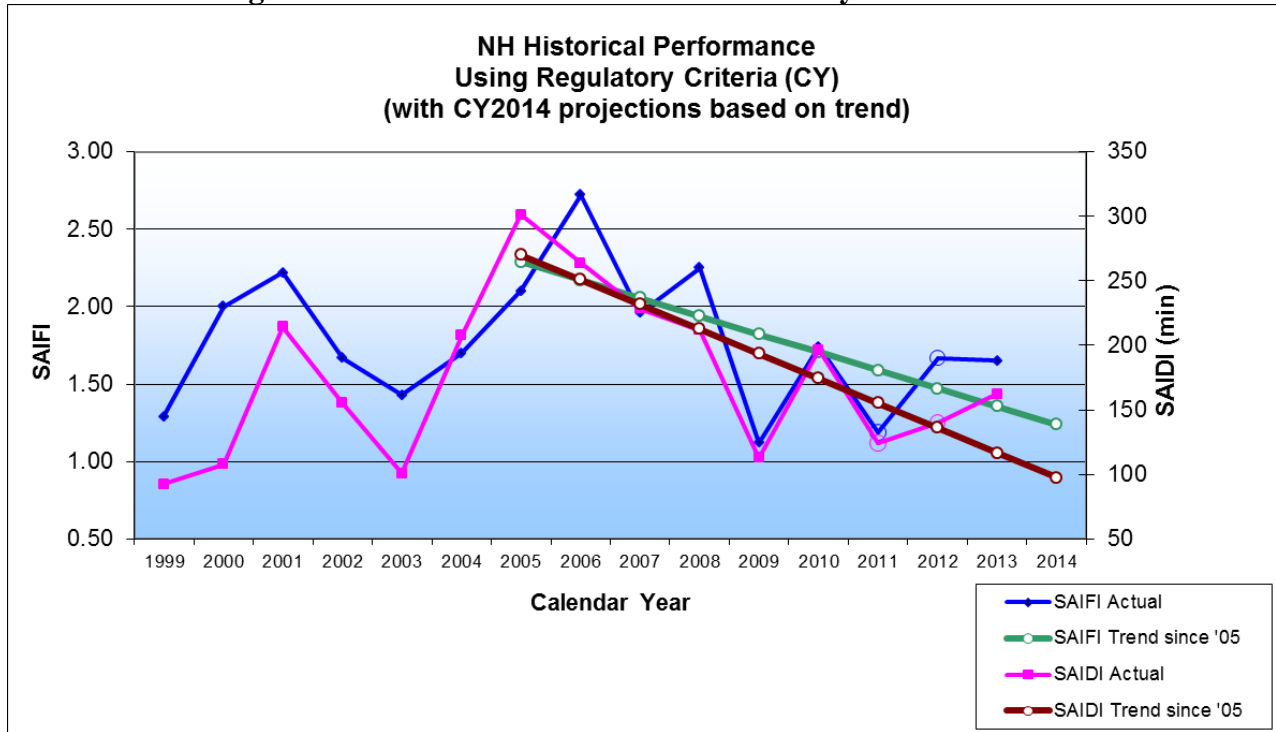
Major Storm Criterion	CI	CMI	SAIFI	SAIDI
PUC Major Event Day ⁴ Standard	69,049	6,791,905	1.65	162.28
IEEE 1366 Major Event Day ⁵ Standard	72,991	7,437,125	1.74	177.7

³ Only events involving 1 or more customers and more than 5 minutes are included in the calculated statistics.

⁴ PUC Major Storm: [(CI >= 15 % of Customers Served and 30 concurrent events) or (45 concurrent events)],
Using PUC criteria, two days were excluded in Calendar Year Stub 2013: June 2-3, 2013.

⁵ IEEE Major Event Days: Using IEEE criteria, no days were excluded in Calendar Year Stub 2013.

Figure 1. Calendar Year Historical Reliability Performance



As shown in the figure above, the SAIFI performance of 1.65 for CY 2013 continues to track on an improving, downward trend, with the 2013 performance slightly better than that of 2012. In a similar way, the 162.28 minutes for SAIDI also reflects an improving trend. Some level of variability is to be expected in the year to year metrics, typically rooted in weather pattern changes, year to year. The five year rolling average since 2005 is reflected in Table 7.

In summary, the downward trend in both the SAIFI and SAIDI statistics continued in CY 2013. The Company will strive to sustain the overall positive performance trend and meet or exceed these goals going forward.

Table 7. Five Year Average Reliability Using PUC criteria:

CY	Sum of CI	Sum of CMI	Sum of SAIFI	5-Year Ave. SAIFI	Sum of SAIDI	5-Year Ave. SAIDI
2000	75,896	4,079,729	2.00		107.76	
2001	85,017	8,219,366	2.22		214.39	
2002	65,099	6,042,438	1.68		155.28	
2003	56,341	3,971,111	1.43		100.86	
2004	67,956	8,313,277	1.71	1.81	207.53	157.16
2005	84,188	12,085,278	2.08	1.82	301.25	195.86
2006	106,935	10,363,197	2.70	1.92	263.83	205.75
2007	79,070	9,196,797	1.96	1.98	228.36	220.37
2008	93,197	8,609,475	2.30	2.15	212.05	242.60
2009	47,270	4,763,099	1.17	2.04	115.94	224.29
2010	72,089	8,156,936	1.74	1.97	196.44	203.32
2011	49,176	4,997,759	1.17	1.67	119.60	174.48
2012	69,677	5,829,537	1.70	1.62	140.06	156.82
2013	69,049	6,791,905	1.65	1.49	162.28	146.86
2014 Projection	58,686	5,760,588	1.41	1.53	138.53	151.38

Appendix 1

REP and VMP O&M Details

Inspection and Maintenance: The inspection and maintenance component of the REP involves a comprehensive overhead assessment of the Company's equipment and feeders prior to performance of the REP work.

Augmented Tree-Trimming and Clearing: This program involves the removal of hazard trees and limbs beyond what is normally included in tree trimming to reduce the risk of interruptions on the overhead distribution system. In addition to removing dead, dying, and damaged limbs from above the conductor, we also increase overhead clearances to fifteen feet outside of residential areas. This additional work is integrated into routine scheduled trimming program to create a more aggressive approach to removing tree hazards and overhang.

Spot Tree Trimming: This captures all charges for field follow up, review and execution of corrective action required, if any, to mitigate vegetation management concerns requested or reported by a customer.

Trouble and Restoration Maintenance: This captures all charges for response and corrective action to mitigate isolated tree related trouble, overhead line requests to mitigate tree related trouble and storm responses not covered by a storm specific charge number.

Planned Cycle Trimming: This captures all charges for annual fiscal year planned cycle pruning activities but does not include police detail expenses.

Cycle Trimming Police Detail Expenses: This captures all charges for police detail expenses associated with annual planned cycle trim and tree removals.

Tree Hazard Removal: This captures all charges for removal of dead, dying and/or structurally weak trees, limbs and leads.

Enhanced Hazard Tree Removal –EHTM: This captures all charges for the hazard tree removal program directed at improving reliability of on and off cycle poor performing circuits based on removing dead, dying and/or structurally weak trees, limbs and leads on the three phase portions of those targeted circuits using a Customer Served approach beyond each major reliability device point including the lockout section or station breaker to the first reliability device.

Interim Trimming: This captures all charges for mitigation of tree conditions that threaten reliability of one or more sections of primary conductor on a circuit or circuits not contained in the current fiscal year's annual plan of work.

Tree Planting: This captures all charges for tree replacements in exchange for tree removals of full clearance, tree replacement to remediate property owner complaints, trees planted for Arbor Day events.

Sub-transmission Right of Way Clearing: This captures all charges for activities related to cutting, clearing, herbicide application and danger tree removal on substation supply lines up to 46 kV.

Other Police Detail Expenses: This captures charges for all O&M police detail expenses not associated with Planned Cycle Trim.

Calendar Year Stub 2013 VMP Details

<u>Activities</u>	<u>CYS 2013 Program Details</u>
Spot Tree Trimming	As needed
Trouble and Restoration Maintenance	As needed
Planned Cycle Trimming	134.19 miles (see table below)
Cycle Trimming Police Detail Expenses	As needed
Hazard Tree: -Tree Hazard Removal -Optional Enhanced Hazard Removal	As needed
Interim Trimming	As needed
Tree Planting	As needed
Sub transmission Right of Way Clearing	4.97 Miles (see below)
Other Police Detail Expenses	As needed

Calendar Year Stub 2013 Planned Cycle Trimming Details

Company	District	Substation Name	Feeder	Overhead Miles	Completed Overhead Miles
41	Lebanon	Monroe #15	15H1	12.46	12.46
41	Lebanon	Mt. Support #16	16L2	4.52	4.52
41	Lebanon	Hanover #6	6L4	1.21	1.21
41	Salem	Pelham #14	14L1	28.60	28.60
41	Charlestown	Vilas Bridge #12	12L1	132.15 (see note)	87.40
Planned Cycle Trimming					134.19

Note: Charlestown Vilas Bridge #12 12L1 Overhead Miles: Planned overhead miles were split between CY13 and CY14 when the work plan became a nine month plan (Apr-Dec). Balance of Miles included on CY14 Plan previously submitted. The entire feeder will be completed in a 12 month period Apr 2013-Apr 2014

Calendar Year Stub 2013 Sub-Transmission Clearing Details

District	Feeder	Substation Name	Miles	Completed Miles
Salem	2352 Line MA S/L to Barron Ave. Salem Depot	Barron Ave. #10	3.15	3.15
Salem	2393 Line MA S/L to Barron Ave.	Barron Ave. #10	0.89	0.89
Salem	2376 Line MA S/L to Spicket River	Spicket River #13	0.93	0.93

Appendix 2:

Vegetation Spend by Activity by Period

Sum of Transaction Amount		Period	Month												
		4	5	6	7	8	9	10	11	12	Grand Total	Grand Total		Budgeted	
Job	WS Job Name	Apr	May	June	July	Aug	Sept	Oct	Nov	Dec			Total**	Amount	Variance
1000	VM Distribution & Admin	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
1010	Spot Tree Trim-Dist-Unplanned	\$ 131.28	\$ 3,039.58	\$ -	\$ 947.40	\$ -	\$ -	\$ 13,848.52	\$ 6,295.98	\$ 6,472.35	\$ 30,735.11	\$ 30,735.11	\$ 32,485.11	\$ 47,400.00	\$ (14,914.89)
1210	Trouble Maint Veg Mgmt-DOH	\$ 2,012.04	\$ 1,200.32	\$ 6,190.67	\$ 3,486.15	\$ -	\$ 270.30	\$ 7,002.95	\$ 3,364.56	\$ 4,947.32	\$ 28,474.31	\$ 28,474.31	\$ 28,474.31	\$ 47,400.00	\$ (18,925.69)
1215	Planned Cycle Trimming-DOH	\$ 2,946.60	\$ 78,584.84	\$ 21,114.03	\$ 85,186.71	\$ -	\$ 109,024.22	\$ -	\$ 111,779.97	\$ 131,297.06	\$ 539,933.43	\$ 539,933.43	\$ 539,933.43	\$ 584,500.00	\$ (44,566.57)
1218	VM Police Detail Expenses	\$ 1,280.00	\$ 1,701.00	\$ 13,315.00	\$ 19,673.35	\$ -	\$ -	\$ 10,718.48	\$ 10,900.93	\$ 10,242.00	\$ 67,830.76	\$ 67,830.76	\$ 67,830.76	\$ 85,200.00	\$ (17,369.24)
1220	Hazardous Tree Removal-DOH	\$12,540.80	\$ 27,016.09	\$ 20,055.67	\$ 36,149.69	\$ -	\$ 16,077.29	\$ 49,860.21	\$ 36,612.50	\$ 41,641.20	\$ 239,953.45	\$ 239,953.45	\$ 258,854.03	\$ 300,000.00	\$ (41,145.97)
1221	Opt. Enh. Haz Tree Removal-DOH	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
1225	Perform Dist ROW clearing-DOH	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,908.39	\$ 10,908.39	\$ 9,959.16	\$ 31,308.39	\$ 60,000.00	\$ (28,691.61)
1235	Perform Interim Trimming-DOH	\$ -	\$ 2,127.26	\$ 1,030.00	\$ 491.04	\$ -	\$ -	\$ 12,715.11	\$ 14,929.90	\$ 3,757.50	\$ 35,050.81	\$ 35,050.81	\$ 35,050.81	\$ 45,900.00	\$ (10,849.19)
1240	Perform Tree Planting-DOH	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,178.64	\$ -	\$ -	\$ 1,178.64	\$ 1,178.64	\$ 1,178.64	\$ 800.00	\$ 378.64
Grand Total		\$28,662.59	\$ 115,992.80	\$ 63,280.37	\$ 145,934.34	\$ 949.23	\$ 125,371.81	\$ 95,323.91	\$ 183,883.84	\$ 208,316.59	\$ 967,715.48	\$ 967,715.48	\$ 995,115.48	\$1,171,150.00	\$ (176,084.52)
	Note: Total** Includes December Accruals														
	Underspend Comments														
	Spot Tree Trim-Dist-Unplanned	Need based: annual budget is based on anticipated customer requests and spend is based on actual custom requests													
	Trouble Maint Veg Mgmt-DOH	Need based: annual budget is based on anticipated non-storm tree/trouble and spend is based on actual non-storm tree													
	Planned Cycle Trimming-DOH	Budget is based on a multi year average and submitted in REP/VEG Filing. Bids are not received until the filing and pricing is based on the amount of work, vegetative condition, circuit complexity, etc.													
	Perform Dist ROW clearing-DOH	This work was initially budgeted based on \$/mile using previous averages, prices came in lower than expected and the work was done hourly thereby reducing the cost													

Appendix 3

REP Capital Investment and O&M Program Results

Specific details regarding components of the Calendar Year Stub 2013 Capital and related O&M program results for REP are listed below.

Calendar Year Stub 2013 REP Capital Investment and related O&M Details

Program/Feeder	Description of Capital Work	Program Results
Vilas Bridge 12L2 Single Phase Reclosers	Replace Form 3 control vintage recloser on Prospect Hill Rd Walpole NH with three single phase reclosers.	Installed 3 single phase reclosers. Work completed in January 2014.
School St. 13L3 Single Phase Reclosers	Install three single phase reclosers on School St. Salem NH.	Installed 3 single phase reclosers. Work completed in December 2013. This project was added in place of the Marsh Rd Single Phase "Trip Saver" project.
Pelham 14L1 Single Phase Trip Savers	Install three single phase "Trip Saver" cutouts on Dutton Rd and Marsh Rd. Pelham NH.	Installed 3 single phase "trip saver" cutouts on Dutton Rd. Work completed in December 2013. Marsh Rd trip savers were not installed but rather three single phase reclosers were installed on School St. Salem NH
Vilas Bridge 12L2 and Spicket River 13L2 Underperforming Area Mitigation	Replace Form 3 vintage recloser on Zion Hill Rd Salem with three single phase reclosers and install three single phase reclosers on Wentworth Rd Walpole NH.	Installed 3 single phase reclosers on Zion Hill Rd. Work completed in January 2014. Installed 3 single phase reclosers on Wentworth Rd. Work completed in January 2014. The Wentworth Rd Project was done ahead of the Acworth Rd Project. Acworth Rd Project to be completed in CY 2014.
Spicket River 13L1 Bare Conductor Replacement	Replace approximately 1.8 miles of bare mainline conductor with spacer cable along North Main St. Salem NH.	Replaced approximately 1.8 miles of bare mainline along North Main St. Salem NH. Work completed in January 2014.

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