# **APPENDIX 44**

Northern Pass Transmission Project – Estimated New Hampshire Property Tax Payments Report

## Northern Pass Transmission Project - Estimated New Hampshire Property Tax Payments Report

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### **Executive Summary**

The proposed Northern Pass Transmission project ("Northern Pass" or the "Project") is an approximately 192-mile electric transmission line to be located in New Hampshire. This report analyzes the potential new Northern Pass property tax payments from the proposed Project. Potential reductions or increases in other property values as a result of Northern Pass are not considered in this report.

### The report findings are:

- 1. Northern Pass will pay an estimated \$35 million to \$40 million in new New Hampshire property taxes in the first full year of operation. The overall estimate can be broken down into the following categories:
  - Approximately \$21 million to \$26 million in municipal and local education property taxes;
  - Approximately \$4 million in county taxes; and
  - Approximately \$10 million in state utility education property taxes redistributed to local communities for education.
- 2. The proposed Northern Pass new taxable investment is estimated to be in the aggregate approximately 11 percent of the total local taxable base across the 31 host communities in the first full year of operation. The median share is estimated to be 12.3 percent and the average is approximately 18 percent.
- 3. Five counties are impacted by the proposed Project. Northern Pass is estimated to be approximately 10 percent share of the total taxable base in Coos County, 3.7 percent in Grafton, 3.1 percent in Merrimack, and 0.3 percent in Belknap and in Rockingham in the first full year of operation.
- 4. Northern Pass would pay an estimated new \$10 million in utility state education property taxes in the first full year of operation, which is an estimated 15 to 25 percent increase in that revenue source.
- 5. Actual Northern Pass NH property tax payments depend on a number of factors. These factors can be organized into two groups. The first set of factors depends upon the

- actual Project costs and allocation of costs across communities, and its taxable value over time. The second set of factors depends on the community, the level of government expenditures, other sources of revenue, and the taxable base.
- 6. Over the life of the Project, once operational, if the net book value of Northern Pass approximates the fair market value for tax purposes then the taxable value will slowly decline over the life of the Project. Northern Pass tax payments and the local tax relief it will provide could be the largest in the early years and gradually decline over the life of the Project. There may be a residual market value which could establish a floor. Actual Northern Pass tax payments will depend on the change in Project property value, all property value, and government spending over time. Total new property taxes paid to New Hampshire communities over the 20 years period are estimated to be an annual average of \$28 million to \$34 million, and a 20-year total of an estimated \$564 million to \$692 million.

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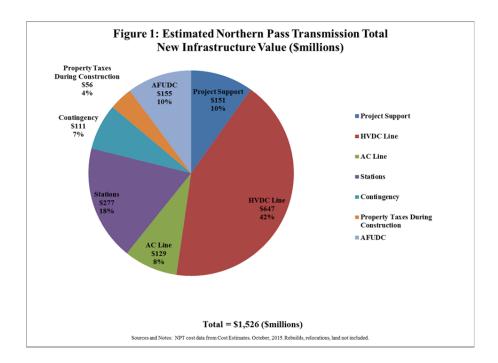
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#### I. Northern Pass New Property Tax Payments Simulations

The amount of property taxes that a property owner pays in New Hampshire for any particular piece of property depends on a number of different factors including the fair market value (FMV) of the property, the taxable status of the property, that value as a share of total property value in the community, amount of government spending on public services, other property values, and other sources of revenue.

For utility property, there are different approaches to estimating the FMV: 1) original cost less depreciation; 2) reproduction cost less depreciation; 3) comparable sales; 4) capitalized earnings; and 5) costs of an alternative facility capable of delivering an equivalent amount of power and energy. See *New England Power Company v. Town of Littleton*, 114 N.H. 594 (1974). Since earnings for Northern Pass are based largely on the original cost of the Project, the estimated total Project costs are used to estimate the taxable value of Northern Pass in the first year of operation.

Northern Pass provided the estimated total Project costs. These estimates are as of October 2015. See Figure 1. Each major component of the Project is estimated. Although total Project costs include upgrades and relocations of some existing distribution lines and equipment, and land purchases, in order to ensure that the estimated Northern Pass tax payments include only new tax payments, the total Northern Pass investment without rebuilds and upgrades nor land is calculated and used as the basis for the tax payment estimates in this report. The total project costs for estimating taxable value is approximately \$1.5 billion. The actual invested value will depend on the permitting, construction, and final costs. Figure 1.



The Project costs are allocated to each of the 31 proposed host communities. The allocations are based on the number of linear feet within each community for different types of investments;

station investments directly allocated to the specific community; and generalized costs allocated pro-rata. See Figure 2. These are simplifying assumptions. The actual Northern Pass taxable investment in each community in the first full year of operation would depend on the actual route, actual costs, taxable value, and allocations by community.

Community	<b>NPT Investment</b>
Pittsburg	10.6
Clarksville	26.12
Stewartstown	69.9
Dixville	35.1
Millsfield	34.3
Dummer	34.0
Stark	32.7
Northumberland	23.2
Lancaster	21.6
Dalton	8.1
Whitefield	39.7
Coos County Total	335.6
Bethlehem	47.7
Sugar Hill	16.0
Franconia	46.3
Easton	87.4
Woodstock	133.0
Thornton	62.5
Campton	56.9
Plymouth	51.0
Ashland	6.1
Bridgewater	11.3
Bristol	9.4
Grafton County Total	528.0
New Hampton	28.1
Belknap County Total	28.1
Hill	9.4
Franklin	358.1
Northfield	8.6
Canterbury	32.9
Concord	44.9
Pembroke	34.5
Allenstown	22.3
Merrimack County Total	511.0
Deerfield	122.9
Rockingham County Total	122.9
Totals	1,526

Rebuilds, relocations, land not included.

Actual taxes paid will depend on the value of the Northern Pass property in the community, local spending, other sources of revenue, and the tax base. A number of simulations were run using

different assumptions on the taxable value and the tax rates to develop an estimated range for the new Northern Pass property tax payments.

Base case estimates were developed using the most recently available tax data published by the NH Department of Revenue Administration ("DRA") and the full cost allocation to each community.

Base case 1 uses the actual 2014 equalized tax rates and applies that to the estimated Project costs allocated to each community.

This approach could lead to over-estimation however because it does not take into account that tax rates may be lowered as a result of Northern Pass addition to the property tax base; but can also under-estimate payments by not taking into account any growth in government spending and a potential increase in the equalized tax rates in 2019. Additionally, the actual Project Costs in each community could also be different.

Base case 2 takes into account both the tax rate suppression effects and a modest growth in spending. Specifically, base case 2 recalculates the 2014 equalized tax rate as if Northern Pass investments were in the tax base. Simulating this increase in the tax base for the 2014 tax year yields a reduced tax rate for the same level of spending. The reduced tax rate is then escalated by 5 percent to project to 2019, and then applied to the estimated full costs of Northern Pass.

This approach could lead to under-estimation because it could overstate the tax rate reduction by using 2014 data as well as under-estimate increases in government spending relative to the total tax base changes. On the other hand this estimate could over-state the payments in any one community if the actual Project Costs in that community are less.

Figure 3 summarizes the estimated Northern Pass property tax payments in the first full year of operation under the base cases.

Figure 3: Simulated New Northern P	Figure 3: Simulated New Northern Pass Property Tax Payments													
Type of Property Tax	Base Case 1	Base Case 2												
Local (Muni+Local Education)	\$25,560,229	\$20,631,721												
County	\$4,174,477	\$4,116,034												
State (for redistribution to communities														
for education)	\$10,070,689	\$10,070,689												
Total	\$39,805,396	\$34,818,445												
Source and Notes: NPT cost data from Cost Estim	nates, October, 2015. Rebu	ilds, relocations, land not												
included.														

Figure 4 provides the base case 1 and 2 estimates of the first year local (municipal plus local education) property taxes for the individual communities, and Figure 5 reports first year county taxes.

County tax payments were simulated using a similar scenario analysis as for local taxes. This provides the estimated county wide payments which would be shared across all communities in the county, not just the host communities. Mechanically, county taxes are allocated based on equalized property values across the county, but then the actual county tax rate is set depending on the local tax base. Base case simulations only used equalized values and equalized tax rates.

Two of the host communities for Northern Pass are unincorporated – Dixville and Millsfield – and for most years historical data shows that there have been no taxes paid in these communities. Historically, expenditures have been low, the tax base has been low relative to the entire county, and other revenue sources were able to cover all public expenditure obligations. Thus, these communities which are unincorporated while hosting the Project may not receive any direct tax payment. More recently there have been significant changes, complications, and a new law, due to the addition of a wind farm in the taxable base, but with a tax agreement that pre-sets the tax payment each year called a Payment in Lieu of Taxes (PILOT). For purposes of estimating Northern Pass local property taxes, \$0 local taxes are assumed. This is expected to change as the unincorporated communities and their tax base change and because significant surpluses are no longer available. Northern Pass, however, is expected to pay significant county property tax payments due to the value of the Northern Pass property allocated to each of these communities and those estimates are included in the Coos county Northern Pass property tax payment estimates.

Most of the new utility property would be in existing rights of ways. It is not anticipated that the addition of Northern Pass would add demand for additional local services. In that case, the estimated Northern Pass payments/tax relief would not be offset by increased expenditures to support the project. To the extent there are any additional demands on local services, the cost of those services would need to be factored into the calculation of new tax revenue, unless Northern Pass separately provided for those services.

Figure 4. Simulated New Northern Pass Local Property Tax Payments

NPT Host Community	Base Case 1	Base Case 2
Pittsburg	\$108,765	\$109,224
Clarksville	\$216,741	\$139,181
Stewartstown	\$1,266,587	\$718,081
Dixville	\$0	\$0
Millsfield	\$0	\$0
Dummer	\$380,407	\$263,594
Stark	\$393,200	\$274,470
Northumberland	\$686,679	\$581,055
Lancaster	\$377,204	\$372,147
Dalton	\$145,682	\$143,689
Whitefield	\$742,933	\$674,483
Bethlehem	\$1,199,192	\$1,123,410
Sugar Hill	\$291,479	\$282,922
Franconia	\$574,875	\$543,216
Easton	\$607,647	\$395,753
Woodstock	\$1,888,807	\$1,415,475
Thornton	\$988,041	\$934,596
Campton	\$1,080,187	\$1,036,948
Plymouth	\$982,989	\$955,242
Ashland	\$116,365	\$120,064
Bridgewater	\$55,197	\$56,188
Bristol	\$158,457	\$162,926
New Hampton	\$423,281	\$403,772
Hill	\$190,564	\$179,069
Franklin	\$6,755,977	\$4,253,541
Northfield	\$170,089	\$175,143
Canterbury	\$738,096	\$713,702
Concord	\$853,210	\$885,765
Pembroke	\$848,088	\$840,532
Allenstown	\$611,814	\$590,741
Deerfield	\$2,707,678	\$2,286,794
Total	\$25,560,229	\$20,631,721

Source and Notes: NPT cost data from Cost Estimates, October, 2015. Rebuilds, relocations, land not included. Local property tax payments include both municipal and local education taxes.

	Base Case 1	Base Case 2
County	Estimated NPT	Estimated NPT
County	County Payments	<b>County Payments</b>
Coos	\$1,662,504	\$1,564,275
Grafton	\$860,589	\$869,001
Belknap	\$38,424	\$40,232
Merrimack	\$1,488,942	\$1,512,666
Rockingham	\$124,018	\$129,859
Total	\$4,174,477	\$4,116,034

At the local level, the specific cost allocation of the Project could significantly differ from what is used for estimating the base case property tax payments. The actual tax rates could also be different as discussed above. In order to estimate a robust range for what the first year Project property tax payments are, a total of 11 different simulations were run that considered a fuller range of both the allocated Project cost to a community and a fuller range for estimating property tax rates. See Appendix A for a summary of the Project's first year property tax estimate full simulations, and the technical notes supporting those simulations.

### **II. Northern Pass Property Tax Payments Impacts**

There are a number of different ways to measure the estimated fiscal impact of the Northern Pass property tax payments on a community or region. One way is to rank NPT as compared to existing property tax payers; however, there is not an available sortable data set of the property taxpayer amounts by community statewide to efficiently use this method.

A second way is to estimate the value of the Northern Pass investment compared with the existing property tax base in a community.

For local taxes, Figure 6 compares the estimated Northern Pass investment in that community with the existing tax base with modest growth. For county taxes, Figure 7 compares the estimated Northern Pass investment in that county with the existing tax base in the county.

Each municipality, school district, and county sets their own budgets. Other revenue sources are applied to those budgets. Of the remaining budget that needs to be covered by property taxes, for any individual property owner the price of the public services is their share of the taxable property tax base. For example, if an owner's taxable property is equivalent to 1 percent of the total taxable value in a community, than the owner's share of tax expenditures in that community is 1 percent (not taking into account collections, exemptions, and credits). With the addition of a large new taxable property value in a community, for the same amount of expenditures, each

existing owner's share of the taxes is reduced.

Figure 6 simulates the Project's addition of infrastructure to each community in 2014 with a modest growth (5 percent) as compared to historical annual growth rates in the tax base, and also Northern Pass expressed as a share of the 2014 local tax base with modest growth (5 percent). In some communities the addition of Northern Pass represents multiples of the typical average annual growth in property values. In others, the growth is close to a typical one year growth level or less.

As noted, the actual growth rate and share will depend upon permitting, construction, final costs, and the taxable base community-wide.

Figure 6. Simula	ted Northern Pas	s Share of Co	ommunity Tax	x Base	
	Simulated NPT	Historica	l Annual Gro	wth Rates	
	Percentage	in the Lo	cal Property	Tax Base	Simulated NPT
Co	Increase in the	3 Year	5 Year	10 Year	as Share of
Community	<b>Local Property</b>	Average	Average	Average	Tax Base
	Tax Base	Annual	Annual	Annual	Year 1
	Year 1	2014 - 2011	2014 - 2009	2014 - 2004	
Pittsburg	4.3%	-4.8%	-3.9%	0.7%	4.2%
Clarksville	60.5%	-3.4%	0.6%	0.6%	37.7%
Stewartstown	81.1%	-3.3%	-4.0%	2.1%	44.8%
Dixville	105.1%	62.2%	37.0%	18.1%	51.2%
Millsfield	35.0%	886.2%	529.4%	269.0%	25.9%
Dummer	49.1%	16.0%	8.6%	7.4%	32.9%
Stark	48.0%	0.6%	-0.5%	0.5%	32.4%
Northumberland	22.9%	-3.8%	-4.0%	-2.5%	18.7%
Lancaster	8.1%	2.4%	-0.5%	1.1%	7.5%
Dalton	9.7%	-1.0%	-3.6%	1.6%	8.8%
Whitefield	21.4%	3.1%	-2.1%	1.1%	17.6%
Bethlehem	19.5%	0.2%	-1.7%	0.5%	16.3%
Sugar Hill	10.8%	-1.9%	-0.8%	1.7%	9.8%
Franconia	15.5%	0.1%	-1.3%	2.4%	13.5%
Easton	127.2%	-0.5%	-0.2%	1.5%	56.0%
Woodstock	54.8%	-3.1%	-1.3%	0.7%	35.4%
Thornton	17.7%	-2.9%	-1.6%	1.6%	15.1%
Campton	14.1%	-1.7%	-0.7%	2.2%	12.3%
Plymouth	11.4%	2.3%	0.8%	2.8%	10.2%
Ashland	2.4%	1.5%	-0.1%	3.1%	2.3%
Bridgewater	3.0%	3.4%	0.3%	1.2%	2.9%
Bristol	2.0%	-2.0%	-1.0%	0.4%	2.0%
New Hampton	9.6%	-4.5%	-1.5%	3.0%	8.8%
Hill	11.2%	-2.9%	-5.2%	-1.6%	10.1%
Franklin	63.6%	-1.6%	-1.4%	0.1%	38.9%
Northfield	2.9%	-1.8%	-2.8%	-0.2%	2.8%
Canterbury	13.1%	-0.4%	-2.4%	-0.2%	11.5%
Concord	1.1%	2.1%	-0.4%	0.9%	1.1%
Pembroke	5.7%	2.4%	-1.6%	1.2%	5.4%
Allenstown	8.3%	3.0%	-0.4%	-0.4%	7.7%
Deerfield	23.2%	2.5%	1.4%	1.1%	18.8%
Source and Notes: NP	Γ cost data from Cost I	Estimates, Octobe	r, 2015. Rebuilds,	relocations, land	not included.

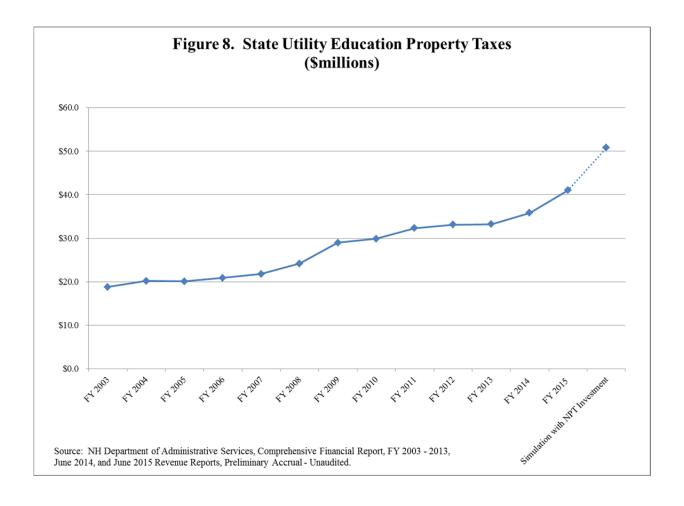
Figure 7 shows similar calculations for county taxes. Growth rates and shares vary across the five counties NPT will be located in depending on the level of Northern Pass investment as

compared to the county-wide property values. In Coos County, for example, Northern Pass is estimated to pay for about 10% of total county taxes. Northern Pass tax payment benefits are shared across the county through county taxation structure.

Figure 7. Simul	lated Northern Pass S	hare of County T	Tax Base		
		3 Year	5 Year	10 Year	
	NPT as Growth in	Average	Average	Average	NPT as Share of
G 4	County Tax Base	Annual	Annual	Annual	County Tax Base
County		2014 - 2011	2014 - 2009	2014 - 2004	
Coos	11.0%	0.9%	-0.9%	1.4%	9.9%
Grafton	3.8%	0.9%	0.0%	1.9%	3.7%
Belknap	0.3%	-0.5%	-1.3%	1.0%	0.3%
Merrimack	3.2%	1.1%	-0.6%	0.9%	3.1%
Rockingham	0.3%	3.0%	1.3%	1.3%	0.3%
Source and Notes: NI	PT cost data from Cost Estin	nates, October, 2015. I	Rebuilds, relocations, l	and not included.	

Taxable properties, both utility and non-utility, in New Hampshire pay municipal, local education, and county taxes. The fourth tax – state education property tax – however, is different for utility property and non-utility property. For non-utility property, under existing law a set amount of money is to be raised each year toward education and DRA sets the tax rate. The rate tends to be between \$2 and \$3 per thousand dollars of value. The state tax is raised and retained locally for education but counts as a state tax. New Hampshire also raises money for state aid for local education through other sources to distribute back to communities. One of the other sources of revenue is the state utility education property tax which is set at a fixed rate of \$6.60 per thousand. Utilities pay this higher tax directly to the state which distributes it back to communities for education.

Unlike local and county property taxes, the utility education tax rate is fixed. Figure 8 below shows the history of the revenue raised from the utility education tax. Measured in current dollars, the Northern Pass state tax payment represents approximately 25 percent increase in revenue from this tax. That increased revenue could be used to offset other sources of revenue used for funding education, or to increase grants to communities. The actual percentage increase will depend upon total utility education property tax revenues and Northern Pass value at that time.



### **III.** Northern Pass Property Tax Payments Over Time

Over time, NPT tax payments will change depending on the NPT value, government expenditures, the tax base, and other sources of revenue.

NPT will pay property taxes during construction. Each year during construction the amount of investment as of April 1 is one approach to setting the taxable value subject to local, county, and state property taxes. Total new Northern Pass New Hampshire property tax payments (municipal, county, local education, state education) paid during the construction phase are estimate to be approximately \$56 million, depending on the actual costs, timing and tax rates. Property taxes paid during the final year of construction versus the first full year of operation is sensitive to specific construction timelines.

Once fully operational, Northern Pass property tax payments will change over time. The Northern Pass annual tax payments will depend on the taxable value of Northern Pass and the tax rate. Tax rates are a function of spending, other revenue sources, and the tax base. When spending increases faster than the tax base, there tends to be upward pressure on tax rates. If spending grows slower than the growth in the tax base, the growth in tax rates is muted, or may decline.

It is very difficult to estimate the Northern Pass property tax payments over time because many different factors, and the interaction of them, will determine what the tax payments will be.

For qualifying renewable energy projects in New Hampshire, communities in some cases have negotiated a Payment in Lieu of Taxes (PILOT) agreement to provide the community with a more predictable revenue stream over the life of the project. The current PILOT law, however, does not apply to projects like NPT.

The taxable value of the Project over time depends on the fair market value of the investment over time, which is not known. Northern Pass property tax payments over time, however, are an important factor to consider for understanding local community benefits. In order to provide a lower bound estimate of Northern Pass property tax payments over time, a simplifying assumption is made that the fair market value is equal to the total new costs for the project in the first full year of operation, and then is straight-line depreciated at a rate of 2.5 percent per year for the first 20 years of operation.

Under this simplifying assumption, tax payments and the local tax relief a project provides may be largest in the early years and gradually decline over the life of the project.

Using the estimated Northern Pass net book value as fair market value for tax purposes, Northern Pass would pay an estimated \$564 million to \$692 million in total New Hampshire property taxes over the first 20 years of operation. A similar range was estimated adding up 20 year illustrative estimates for individual towns, counties and the state.

Figure 9 below illustrates the estimated aggregate NPT tax payments over the first 20 years using these simplifying assumptions on declining taxable value. Actual payments will depend not only on the determined FMV of Northern Pass at the local, county and state levels, but the trends in expenditures, revenues, and property values in each community and county.

Figure 9. Simulated New Northern Pass Total Annual Property Tax Payments Over 20 Years

Year	NPT Book Value	NPT Annual Property Tax Payments (Toy rate grows et 29/)	NPT Annual Property Tax Payments (Toy rate grows et 19/)
2019	¢1.525.962	(Tax rate grows at 2%)	(Tax rate grows at 1%)
	\$1,525,862	\$39,805,396	\$34,818,445
2020	\$1,487,715	\$39,390,087	\$34,189,274
2021	\$1,449,569	\$38,956,344	\$33,550,081
2022	\$1,411,422	\$38,503,493	\$32,900,702
2023	\$1,373,276	\$38,030,842	\$32,240,972
2024	\$1,335,129	\$37,537,682	\$31,570,725
2025	\$1,296,983	\$37,023,278	\$30,889,791
2026	\$1,258,836	\$36,486,879	\$30,197,997
2027	\$1,220,690	\$35,927,709	\$29,495,170
2028	\$1,182,543	\$35,344,972	\$28,781,132
2029	\$1,144,397	\$34,737,848	\$28,055,705
2030	\$1,106,250	\$34,105,493	\$27,318,708
2031	\$1,068,103	\$33,447,041	\$26,569,956
2032	\$1,029,957	\$32,761,599	\$25,809,262
2033	\$991,810	\$32,048,252	\$25,036,437
2034	\$953,664	\$31,306,056	\$24,251,291
2035	\$915,517	\$30,534,041	\$23,453,627
2036	\$877,371	\$29,731,213	\$22,643,250
2037	\$839,224	\$28,896,545	\$21,819,960
2038	\$801,078	\$28,028,984	\$20,983,554
Total 20 year		\$692,603,753	\$564,576,037
Average		\$34,630,188	\$28,228,802

Sources and Notes/Key Assumptions:

NPT cost data from Cost Estimates, October, 2015. Rebuilds, relocations, land not included.

Fair Market Value for tax purposes equals simplified Net Book Value.

Annual Depreciation 2.5 percent, straight line.

First year NPT property tax payment Base Case 1, then grow local tax rate at 2 percent per year for high range estimate and for low range estimate, first year tax payment Base Case 2, then grow low tax rate at 1 percent per year.

1 Local Property Toyor																						
A. Local Property Taxes								NDT F														
Fotal Local		15								Prop	erty Tax Paym			rear					0			
n' 1		al Rar		Midpoi		s1		s2	s3	2 6	s4		5		s6	s7	s7A		s8	s9	ф.	s9A
Pittsburg		9 \$	124,669		2,612			108,765					81,574		109,224	114,425	,	\$	81,918	85,819		93,5
Clarksville	\$ 104,3 \$ 538,5	6 \$	216,741	4	9,181			216,741			,		162,556		139,181	145,809	050.261	\$	104,386	109,356		
Stewartstown	\$ 538,5		1,266,587	\$ /:	2,275		\$	1,266,587		7 \$ \$		\$ 5	949,940	\$	718,081	\$ 752,275	\$ 858,361	\$	538,561	564,207	\$	643,7
Dixville			-	-			\$		-	\$ \$										\$	\$	
Millsfield	\$ -		200.407	\$		-	-		\$ -			\$	-	\$	262.504	\$ 276146	\$ -	\$		\$ 207.100	-	-
Dummer	\$ 197,6		380,407	-	2,432			380,407					285,305		263,594	276,146	417.010	\$	197,695	207,109		212.4
Stark	\$ 205,8		417,910	-	7,540			393,200			, .		294,900		274,470	287,540	417,910		205,852	215,655		313,43
Northumberland	\$ 435,7		793,113		1,055			686,679			.,.		515,009		581,055	608,725	793,113		435,791	456,543		594,83
Lancaster	\$ 269,9		400,805		1,426			377,204					282,903		372,147	389,868	400,805		279,110	292,401		300,60
Dalton		4 \$	177,935		5,847			145,682					09,262		143,689	150,532	177,935		107,767	112,899		133,45
Whitefield	\$ 501,2		745,538	-	2,364			742,933					557,200		674,483	706,601	745,538		505,862	529,951		559,15
Bethlehem	\$ 842,5	_	1,548,169		3,410			1,199,192					399,394		1,123,410	1,176,905	1,548,169		842,557	882,679		1,161,12
Sugar Hill	\$ 212,1		356,192	-	9,449			291,479					218,609		282,922	296,394	356,192		212,191	222,296		267,14
Franconia	\$ 407,4		574,875		7,348			574,875					131,157		543,216	569,083	572,222		407,412	426,812		429,16
Easton	\$ 296,8		607,647		1,598			607,647					155,735		395,753	414,598	499,742		296,815	310,949		374,80
Woodstock	\$ 1,061,6		1,943,722		5,605			1,888,807					116,605		1,415,475	1,482,878	1,641,318		1,061,606	1,112,159		1,230,98
Thornton	\$ 687,1		1,194,365		5,774			988,041			,		741,031		934,596	979,101	1,194,365		700,947	734,326		895,77
Campton	\$ 777,7		1,344,425		3,319			1,080,187					310,140		1,036,948	1,086,326	1,344,425		777,711	814,745		1,008,31
Plymouth	\$ 716,4		1,012,360		9,754			982,989					737,242		955,242	1,000,730	957,786		716,431	750,547		718,33
Ashland		3 \$	125,781		1,347			116,365					87,273		120,064	125,781	122,313		90,048	94,336		91,73
Bridgewater		8 \$	64,586	-	3,512			55,197					41,398		56,188	58,863	64,586		42,141	44,148		48,43
Bristol	\$ 112,6		215,075		5,167			158,457					18,843		162,926	170,684	215,075		122,194	128,013		161,30
New Hampton	\$ 292,1		450,615	-	1,545			423,281					317,460		403,772	423,000	450,615		302,829	317,250		337,96
Hill		6 \$	280,443		),928			190,564					42,923		179,069	187,596	280,443		134,302	140,697		210,33
Franklin	\$ 3,190,1		6,994,293		5,091			6,755,977					066,983		4,253,541	4,456,091	5,168,096		3,190,156	3,342,068		3,876,07
Northfield		6 \$	231,171	-	0,089			170,089					27,566		175,143	183,483	231,171		131,357	137,613		173,37
Canterbury	\$ 535,2		991,082		3,702			738,096			,		553,572		713,702	747,688	991,082		535,276	560,766		743,31
Concord	\$ 639,9		982,958		3,586			853,210	\$ 843,58	6 \$			539,908	\$	885,765	927,945	\$ 982,958		664,324	\$ 695,958		737,21
Pembroke	\$ 630,3		974,585	-	),507			848,088					536,066		840,532	880,557	974,585		630,399	660,418		730,93
Allenstown	\$ 443,0		848,069		0,741			611,814					158,861		590,741	618,871	848,069		443,056	\$ 464,154		636,05
Deerfield	\$ 1,715,0	5 \$	2,707,678	\$ 2,1	7,899	\$ 2,436,970	\$	2,707,678	\$ 2,177,89	9 \$	1,827,727	\$ 2,0	30,758	\$	2,286,794	\$ 2,395,689	\$ 2,678,020	\$ 1	1,715,095	\$ 1,796,766	\$	2,008,51
Totals	\$ 15,378,9	57 \$	27,971,797	\$ 19,6	9,258	\$ 25,238,947	\$ 2	25,560,229	\$ 19,649,25	8 \$	18,929,210	\$ 19,1	170,172	\$	20,631,721	\$ 21,614,184	\$ 24,639,563	\$ 15	5,473,791	\$ 16,210,638	\$	18,479,67
Simulation Assumptions		+								+												
s1	Project cost allo	ation	with 2014 local t	ax rates																		
s2	Project cost allo																					
s3	Project cost allo				artially	adjusted lower f	or same	ne level of sr	ending													
s4	Seventy-five per																					
s5	Seventy-five per							)														
s6	Projected cost a								r (5 percent to	tal)												
s7	Projected cost a																					
s7A	Projected cost a										ige)											
s8	Seventy-five per								-			ent total)	(.75*S6	5)								
	in per	O																				

A. Local Property Taxes																										
Fotal Local	_									timate		opei	rty Tax Paym	ents		ear		_						_		
		otal Ra		1	Midpoint		s1	_	s2	_	s3	_	s4	_	s5		s6	s7	_	s7A	_	s8	_	s9	_	s9A
Pittsburg		59 \$		\$	102,612		102,612		108,765			\$	76,959		81,574		109,224	114,425		,	\$	81,918		85,819		93,5
Clarksville		86 \$		\$	139,181		208,674		216,741		. ,	\$	156,506		162,556		139,181	145,809		-	\$	104,386		109,356		
Stewartstown		61 \$		\$	752,275		1,145,906		1,266,587			\$	859,430		949,940		718,081	752,275		858,361		538,561		564,207		643,7
Dixville		\$		\$		\$		\$		\$		\$		\$	-	\$		\$ -	\$	-	\$		\$	-	\$	-
Millsfield		\$		\$		\$		\$		\$		\$		\$	-	\$		\$ -	\$	-	\$		\$	-	\$	-
Dummer		95 \$		\$	252,432		336,576		380,407			\$	252,432		285,305		263,594	276,146		-	\$	197,695		207,109		
Stark		52 \$		\$	287,540		364,429		393,200		. ,	\$	273,322		294,900		274,470	287,540		417,910		205,852		215,655		313,43
Northumberland		91 \$		\$	581,055		598,870		686,679		,	\$	449,152		515,009		581,055	608,725		793,113		435,791		456,543		594,83
Lancaster		77 \$		\$	354,426		359,970		377,204		354,426		269,977		282,903		372,147	389,868		400,805		279,110		292,401		300,60
Dalton		44 \$		\$	136,847		137,925		145,682		136,847		103,444		109,262		143,689	150,532		177,935		107,767		112,899		133,45
Whitefield		40 \$		\$	642,364		668,320		742,933		642,364		501,240		557,200		674,483	706,601		745,538		505,862		529,951		559,13
Bethlehem		57 \$		\$	1,123,410		1,263,286		1,199,192		1,069,914		947,465		899,394		1,123,410	1,176,905		1,548,169		842,557		882,679		1,161,12
Sugar Hill		91 \$		\$	269,449		284,155		291,479		269,449		213,117		218,609		282,922	296,394		356,192		212,191		222,296		267,14
Franconia		12 \$		\$	517,348		569,536		574,875		517,348		427,152		431,157		543,216	569,083		572,222		407,412		426,812		429,10
Easton		15 \$		\$	414,598		589,547		607,647			\$	442,160		455,735		395,753	414,598		499,742		296,815		310,949		374,80
Woodstock		06 \$		\$	1,416,605		1,943,722		1,888,807		1,348,071		1,457,791		1,416,605		1,415,475	1,482,878		1,641,318		1,061,606		1,112,159		1,230,98
Thornton		44 \$		\$	895,774	\$	916,193	\$	988,041	\$	890,092	\$	687,144	\$	741,031	\$	934,596	\$ 979,101	\$	1,194,365	\$	700,947	\$	734,326	\$	895,7
Campton		11 \$		\$	1,008,319		1,102,987		1,080,187			\$	827,240		810,140		1,036,948	1,086,326		1,344,425		777,711		814,745		1,008,3
Plymouth		31 \$		\$	909,754		1,012,360		982,989		909,754		759,270	\$	737,242		955,242	1,000,730		957,786		716,431		750,547		718,33
Ashland		73 \$		\$	114,347		121,412		116,365		114,347		91,059		87,273		120,064	125,781		122,313		90,048		94,336		91,73
Bridgewater		98 \$		\$	53,512	\$	58,838	\$	55,197	\$	53,512	\$	44,129	\$	41,398	\$	56,188	58,863	\$	64,586	\$	42,141	\$	44,148	\$	48,43
Bristol		78 \$	215,075	\$	155,167	\$	150,237	\$	158,457	\$	155,167	\$	112,678		118,843	\$	162,926	170,684	\$	215,075	\$	122,194	\$	128,013	\$	161,30
New Hampton	\$ 292,	93 \$		\$	384,545	\$	389,591	\$	423,281	\$	384,545	\$	292,193	\$	317,460	\$	403,772	\$ 423,000	\$	450,615	\$	302,829	\$	317,250	\$	337,90
Hill	\$ 128.	96 \$	280,443	\$	170,928	\$	170,928	\$	190,564	\$	170,542	\$	128,196	\$	142,923	\$	179,069	\$ 187,596	\$	280,443	\$	134,302	\$	140,697	\$	210,33
Franklin		56 \$	6,994,293	\$	4,456,091	\$	6,994,293		6,755,977	\$ 4	4,050,991	\$	5,245,720	\$	5,066,983	\$	4,253,541	\$ 4,456,091	\$	5,168,096	\$	3,190,156		3,342,068	\$	3,876,0
Northfield		66 \$	231,171	\$	170,089	\$	172,699	\$	170,089	\$	166,803	\$	129,524	\$	127,566	\$	175,143	\$ 183,483	\$	231,171	\$	131,357	\$	137,613	\$	173,3
Canterbury	\$ 535,	76 \$	991,082	\$	713,702	\$	717,240	\$	738,096	\$	679,716	\$	537,930	\$	553,572	\$	713,702	\$ 747,688	\$	991,082	\$	535,276	\$	560,766	\$	743,3
Concord	\$ 639.	08 \$	982,958	\$	843,586	\$	943,579	\$	853,210	\$	843,586	\$	707,684	\$	639,908	\$	885,765	\$ 927,945	\$	982,958	\$	664,324	\$	695,958	\$	737,2
Pembroke	\$ 630.	99 \$	974,585	\$	800,507	\$	841,048	\$	848,088	\$	800,507	\$	630,786	\$	636,066	\$	840,532	\$ 880,557	\$	974,585	\$	630,399	\$	660,418	\$	730,93
Allenstown	\$ 443,	56 \$	848,069	\$	590,741	\$	637,045	\$	611,814	\$	562,610	\$	477,784	\$	458,861	\$	590,741	\$ 618,871	\$	848,069	\$	443,056	\$	464,154	\$	636,0
Deerfield	\$ 1,715.	95 \$	2,707,678	\$	2,177,899	\$	2,436,970	\$	2,707,678	\$ 2	2,177,899	\$	1,827,727	\$	2,030,758	\$	2,286,794	\$ 2,395,689	\$	2,678,020	\$	1,715,095	\$	1,796,766	\$	2,008,5
Totals	\$ 15,378.	67 \$	27,971,797	\$	19,649,258	\$	25,238,947	\$	25,560,229	\$ 19	9,649,258	\$	18,929,210	\$ 1	19,170,172	\$	20,631,721	\$ 21,614,184	\$	24,639,563	\$	15,473,791	\$	16,210,638	\$	18,479,6
Simulation Assumptions																										
s1	Project cost al	cation	with 2014 local	ax rate	es																					
s2			with 2014 equal																							
s3			with 2014 equal			y adi	usted lower fo	or sai	me level of sr	pending	2															
s4			of project cost all																							
s5			of project cost all						(2)																	
s6			on with 2014 adj							ır (5 ne	ercent total	)														
s7			on with 2014 adj																							
s7A			on with 2014 adj										re)													
s8			of projected cost		•							_		nt to	tal)( 75*\$6	9										
30	Seventy live p	·	projecteu cost	ancau	will 2014 :	uju:	, wa equanzed	un I	grow at	acout			Jour (5 perce	10		,										

Appendix A: Summary of N	PT First Year Prop	erty Tax Estimat	es Simulations Cor	ntinue d				
B. County Property Taxes								
NPT Estimated County Proper	rty Tax Payments Firs	st Full Year						
	Rang	ge	Midpoint	s2	s3	s6	s7	S7A
Coos County	\$1,489,786	\$1,638,764	\$1,638,764	\$1,662,504	\$1,489,786	\$1,564,275	\$1,638,764	\$1,781,634
Grafton County	\$827,620	\$910,382	\$869,001	\$860,589	\$827,620	\$869,001	\$910,382	\$954,252
Belknap County	\$38,316	\$42,148	\$40,232	\$38,424	\$38,316	\$40,232	\$42,148	\$40,640
Merrimack County	\$1,440,635	\$1,584,698	\$1,512,666	\$1,488,942	\$1,440,635	\$1,512,666	\$1,584,698	\$1,782,068
Rockingham County	\$123,676	\$136,043	\$129,859	\$124,018	\$123,676	\$129,859	\$136,043	\$131,768
County Total	\$3,920,033	\$4,312,036	\$4,174,477	\$4,174,477	\$3,920,033	\$4,116,034	\$4,312,036	\$4,690,361
	Project cost allocatio Project cost allocatio	•		adjusted lower	for same leve	l of spending		
	Projected cost alloca			•			ent total)	
	Projected cost alloca		•					
	Projected cost alloca		_					
	,	,			, ,		0 /	
C. State Education Property Ta	axes							
NPT Estimated State Property		Full Year						
- · · · · · · · · · · · · · · · · · · ·	Rang							
Range	\$9,500,000	\$10,500,000						
D. All NPT Property Taxes								
	Rang	ge						
Total	\$28,799,000	\$42,783,833						