

Vermont Legislative Joint Fiscal Office

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FISCAL NOTE

Revision Date: February 8, 2019

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S.40 An act relating to testing and remediation of lead in the drinking water of schools and child care facilities – Proposal of Amendment Senate Education Committee

<https://legislature.vermont.gov/Documents/2020/Docs/CALENDAR/sc190205.pdf#page=1>

****And funding provided in Sen Proposal of Amendment for H.97**

<https://legislature.vermont.gov/Documents/2020/Docs/CALENDAR/sc190208a.pdf>

Initial Testing Cost Estimate

\$1,475,000

\$850,000 - Test cost based on an average estimated number of potable water taps per facility, two samples taken at each tap and a of \$20 per test. It is assumed the samples will be drawn by school or child care facility following the technical assistance provided by the department of health. No cost is included for other entities to be contracted to draw samples.

\$150,000 – Vermont Health Dept data management and startup cost in FY19

\$125,000 – Vermont Health Dept program specialist position

\$125,000 – ANR program specialist position

Retesting Cost Estimate @ 3ppb level

\$188,000

The range for retesting is dependent on the trigger for retesting and remediation. Retesting initial samples testing over 15 ppb form the low end, retesting for samples that tested over 1 ppm form the high end of this cost range.

Tap Remediation Cost Estimate @ 3ppb level

\$860,000

Tap remediation costs for a 50% state share at an estimate cost of \$300 per tap replaced ****at schools with facilities' personnel providing the labor, and a t \$600 per tap at child care facilities.**

No estimate is made for remediation that may require retrofit beyond tap replacement.

Note: Since 2016, Center Based Child Care and Preschool Programs and Family Child Care Home Programs are all required to have their water tested as part of licensing. All programs are required to do a first draw test for lead that meets current Vermont Standards. If they do not meet the Vermont Standard they must retest every year and must use bottled water. They are required to do this first draw test for lead at faucets or drinking fountains that would supply water to the children in that building. Also if the program is not required to have a drinking water permit related to the Vermont Water Supply Rule, and is not on a city/town system then they must perform a bacterial and chemical screening that meets the Vermont standard to become licensed. They also must redo the chemical tests once every 6 years.

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S. 40 Version 3 - Fiscal Note Worksheet											
Program Administration		Estimate									
	ANR - Remediation Position	\$125,000	ongoing or time limited?								
	VDH - Proj Mgr & start up	\$155,000	ongoing or time limited?								
Req.	VDH - Data Mgt System	\$120,000									
		\$400,000									
Initial Test Cost Estimate											
	Schools	\$850,000		\$850,000							
	Licensed Childcare Providers	\$225,280		\$225,280							
		\$1,075,280		\$188,712							
				\$1,263,992							
Initial Testing Project Cost		\$1,475,280									
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">> 3ppm - failure rate</td> <td></td> </tr> <tr> <td style="padding-left: 20px;">Retesting</td> <td style="text-align: right;">\$188,712 100% state funded</td> </tr> <tr> <td style="padding-left: 20px;">Tap Remediation @\$300/tap</td> <td style="text-align: right;">\$707,669 50% state share of cost</td> </tr> </table>						> 3ppm - failure rate		Retesting	\$188,712 100% state funded	Tap Remediation @\$300/tap	\$707,669 50% state share of cost
> 3ppm - failure rate											
Retesting	\$188,712 100% state funded										
Tap Remediation @\$300/tap	\$707,669 50% state share of cost										
Assumes all taps replaced - cost range would be lower with some taps taken offline instead of replaced											
Restesting Cost Estimate			Low		High						
>1 ppb - failure rate		\$290,863	27.1%		68.0%						
	Schools	\$229,925	\$229,925		\$578,000						
	Licensed Childcare Providers	\$60,938	\$60,938		\$153,190						
>5 ppb - failure rate		\$86,560	8.1%		25.0%						
	Schools	\$68,425	\$68,425		\$212,500						
	Licensed Childcare Providers	\$18,135	\$18,135		\$56,320						
>15 ppb - failure rate			2.5%		8.3%						
	Schools		\$20,825		\$70,550						
	Licensed Childcare Providers		\$5,519		\$18,698						
Tap Replacement		\$300 /tap	Low		High						
>1 ppb - Tap count		\$2,181,474	7,272		18,280						
	Schools	\$1,724,438	79.0%	\$1,724,438	1,724,438						
	Licensed Childcare Providers	\$457,037	21.0%	\$457,037	\$1,148,928						
>5 ppb - Tap Count		\$649,200	2,164		6,721						
	Schools	\$513,188	79.0%	\$513,188	\$1,593,750						
	Licensed Childcare Providers	\$136,013	21.0%	\$136,013	\$422,400						
>15 ppb - Tap Count			659		2,231						
	Schools		79.0%	\$156,188	\$529,125						
	Licensed Childcare Providers		21.0%	\$41,395	\$140,237						
	Schools @ \$300/tap										
	3 ppb estimate	\$1,118,813									
	50% State share	\$559,406									
	Child care @ \$300/tap			Child care @ \$600/tap							
	3 ppb estimate	\$296,525		3 ppb estimate	\$593,050						
	50% State share	\$148,262		50% State share	\$296,525						

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S.40 Testing for Lead in the Water of Schools and Child Care Facilities							
Initial Test Cost Est	Building Count	Est, Avg # Taps to sample	Total Taps	Est. Total Samples to be tested	Initial test @ \$20/test 2 tests/tap	<i>actual sample taking is est to be in-kind cost to schools i.e. no sample taking cost in \$20</i>	
Schools	425	50	21,250	42,500	\$850,000		
Licensed CC Centers	394	10	3,940	7,880	\$157,600		
Licensed CC Home	564	3	1,692	3,384	\$67,680		
Initial Testing Cost	1383		26,882	53,764	\$1,075,280		
				14k samples			
Over limit rate	Addison Central	VDH Pilot	Oth Schools	Comm/NTNC Sys (ANR)	Schls '15-'18 1.8k (ANR)	Failure Rate Range	
Data Available						Low	High
tested >1ppb	65%	24.9%	n/a	71.0%	29.2%	27.1%	68.0%
tested >5ppb	24%	9.7%	n/a	26.0%	6.4%	8.1%	25.0%
tested ≥15ppb	7%	3.0%	n/a	9.6%	1.9%	2.5%	8.3%

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Possible Retrofit Projects	TBD	Est ?	Estimated Cost Per Project ????		
	????	# proj	Low? \$50k/\$5k	Mid? \$125k/\$10k	High? \$200k/\$15k
>1 ppb - # projects					
Schools	2.35%	5 to 10	\$250,000	\$937,500	\$2,000,000
Licensed Childcare Providers	2.61%	10 to 25	\$50,000	\$125,000	\$375,000
>5 ppb - # projects					
Schools	1.18%	3 to 5	\$150,000	\$500,000	\$1,000,000
Licensed Childcare Providers	1.04%	5 to 10	\$25,000	\$75,000	\$150,000
>15 ppb # projects					
Schools	0.47%	1 to 2	\$50,000	\$187,500	\$400,000
Licensed Childcare Providers	0.52%	1 to 5	\$5,000	\$30,000	\$75,000
<p>Not knowing exactly what the remediation would be, I cannot give an accurate estimate for lineal or square foot cost. With all of the unknowns listed below, the cost could be anywhere from \$10.00 to \$25.00 per lineal foot. Any of the contractors on retainer would need to have answers to the unknowns to get a better cost estimate.</p>					
<p>Unknowns:</p>					
1. What is the total run and sizes of the pipe to be replaced?					
2. Is the pipe insulated?					
3. Does the pipe insulation contain asbestos?					
4. Is all pipe accessible? If not, what materials will have to be removed to access the pipe ? (plaster, tile, etc.)?					
5. If the pipe is exposed, at what height are the runs, can they be reached by ladders or is staging required?					
6. What are the working hours, normal 7:00 a.m. to 3:30 p.m., Monday through Friday?					
7. Will any work require updating due to code changes?					
8. Are the sizes correct, or will a partial redesign be needed?					
9. Permit fees?					
10. Will a Clerk-of-the-Works be needed?					