

Report to the North Carolina General Assembly

Study Status and Cost of Carbon Monoxide Alarms and Radon Testing in Schools

SL 2023-134, Section 7.78.

This survey remains active and data collection in ongoing. The required survey parameters necessitate a large data collection effort, in order to generate a meaningful report.

As of the date of this DRAFT REPORT, survey responses received have been minimal.

The anticipated date for a FINAL REPORT is March 15, 2024.

DPI Chronological Schedule, 2023-2024

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EXECUTIVE SUMMARY

This survey remains active and data collection in ongoing. The required survey parameters necessitate a large data collection effort, in order to generate a meaningful report.

As of the date of this DRAFT REPORT, survey responses received have been minimal.

The anticipated date for a FINAL REPORT is March 15, 2024.

North Carolina SL 2023-134, Section 7.78. requires the State Board of Education to survey certain public schools to determine the status and cost of carbon monoxide alarms and radon gas testing in existing school buildings, and report their findings to the Joint Legislative Education Oversight Committee.

The survey involves "identified public schools" as defined in the governing legislation. These schools include: certain PSU Schools, State Agency Schools, Laboratory Schools, Regional Schools, and other Statewide Schools.

Legislative Provision (SL 2023-134)

STUDY STATUS AND COST OF CARBON MONOXIDE ALARMS AND RADON TESTING IN SCHOOLS

SECTION 7.78. The State Board of Education shall survey all identified public schools to determine the number of existing school buildings that are currently not equipped with carbon monoxide alarm and detection systems but would have to install those systems if required to be in compliance with the requirements for new buildings in Section 915 of the North Carolina State Building Code, Fire Prevention Code (non-equipped buildings). The State Board of Education shall also survey all identified public schools to determine the need and implementation of radon gas testing. The State Board of Education shall report to the Joint Legislative Education Oversight Committee the following information no later than December 15, 2023:

- (1) The number of non-equipped buildings statewide, and by identified public school
- (2) The estimated cost statewide, and by the identified public school, to permit, install, and inspect all non-equipped buildings with carbon monoxide alarm and detection systems and radon gas testing.

For purposes of this section, "identified public schools" shall refer to (i) schools in a public school unit, as defined in G.S. 115C-5(7a), except charter schools, (ii) the North Carolina School of Science and Mathematics, (iii) the University of North Carolina School of the Arts, (iv) schools operated by the Department of Health and Human Services, and (v) schools operated by the Division of Juvenile Justice of the Department of Public Safety.

SURVEY REPORTING

SURVEY METHODOLOGY

(Written summary of survey approach)



SCHOOL UNITS SURVEYED

PSU Schools	Total Number School Campuses	Total Number Existing Campus Buildings	Total Number Existing Classroom Buildings	Classroom Buildings w/Fuel Burning Appliances	Classroom Buildings w/Fuel Burning Mechanical	Classroom Buildings w/Carbon Monoxide Alarms	Classroom Buildings w/Radon Gas System
Alamance-Burlington Schools	38						
Alexander County Schools	11						
Alleghany County Schools	4	-	100	-		<u> </u>	
Anson County Schools	9			1	-		
Ashe County Schools	6	2	100				S
Avery County Schools	8	-	100				S .
Beaufort County Schools	13		(%)				
Bertie County Schools	7	2	(%)				1
Bladen County Schools	13	<u> </u>					
Brunswick County Schools	20	i i					
Buncombe County Schools	45		62				
Asheville City Schools	9	ē.					
Burke County Schools	27	Ę.					
Cabarrus County Schools	44	5			83		
Kannapolis City Schools	8				80 1		
Caldwell County Schools	25	2					
Camden County Schools	5	7				-	
Carteret County Public Schools	17				-		
Caswell County Schools	6		23				
Catawba County Schools	28	-	170				
Hickory City Schools	9		-				
Newton Conover City Schools	7						
Chatham County Schools	21						
Cherokee County Schools	16			-	2	-	8
Edenton-Chowan Schools	4				S 1	-	P
	4					-	
Clay County Schools Cleveland County Schools	28	- 1			88	-	
Columbus County Schools	12				80 8		
Whiteville City Schools	5				88		
Craven County Board of Education	26	6			86 8	-	8
Cumberland County Schools	86	6		3 4	86 8		
Currituck County Schools	10				80 1		
	11		8		8 1		
Dare County Schools		è	-		2 3		
Davidson County Schools	35	do-	100		100		F
Lexington City Schools	7		4		9 3		
Thomasville City Schools	4		77		-		
Davie County Schools	13		100	-		-	
Duplin County Schools Durham Public Schools	13	1					
	56	1					,
Edgecombe County Public Schools	15	2			10 7		6
Winston Salem / Forsyth County Schools	81	7			100	-	5
Franklin County Schools	16	2	5)		80		100
Gaston County Schools	56	2	5)		10		W
Gates County Schools	5		5,		8)		100
Graham County Schools	3	9	₩	(85 8		8
Granville County Schools	16	(48		88		
Greene County Schools	6	<u> </u>		<u> </u>		<u> </u>	

SCHOOL UNITS SURVEYED

PSU Schools	Total Number School Campuses	Total Number Existing Campus Buildings	Total Number Existing Classroom Buildings	Classroom Buildings w/Fuel Burning Appliances	Classroom Buildings w/Fuel Burning Mechanical	Classroom Buildings w/Carbon Monoxide Alarms	Classroom Buildings w/Radon Gas System
Guilford County Schools	124						
Halifax County Schools	11				1		
Roanoke Rapids City Schools	5	-	20		7		
Weldon City Schools	4		=		7		
Harnett County Schools	29						
Haywood County Schools	15						
Henderson County Schools	23						
Hertford County Schools	7						
Hoke County Schools	14						
Hyde County Schools	3			- 4			
Iredell-Statesville Schools	38						
Mooresville Graded School District	9						
Jackson County Public Schools	9						
Johnston County Public Schools	48	6			(A)		
Jones County Schools	5				9		
Lee County Schools	16						
Lenoir County Public Schools	17	5					
Lincoln County Schools	23	-			0 1		2
Macon County Schools	12	7	100		3		0
Madison County Schools	7	-	100				
Martin County Schools	9						
McDowell County Schools	15						
Charlotte-Mecklenburg Schools	184						
Mitchell County Schools	7						
Montgomery County Schools	11						
Moore County Schools	23			1			
Nash County Public Schools	28						
New Hanover County Schools	42		A				
Northampton County Schools	6						
Onslow County Schools	39						
Orange County Schools	13		-				
Chapel Hill-Carrboro City Schools	21						8
Pamlico County Schools	4				(C) (B)		8
Elizabeth City-Pasquotank Public Schools	13		67		a 1		
Pender County Schools	19	p	0		8)		5
Perquimans County Schools	4		67		81 1		
Person County Schools	12	10 20 21	100		4 3		2
Pitt County Schools	40	7	150		3		
Polk County Schools	7				1		
Randolph County School System	32				*		
Asheboro City Schools	8						
Richmond County Schools	15						
Public Schools of Robeson County	37						
Rockingham County Schools	23	·					
Rowan-Salisbury Schools	32	5 5					
Rutherford County Schools	18	R.					
Sampson County Schools	18						

SCHOOL UNITS SURVEYED

PSU Schools	Total Number School Campuses	Total Number Existing Campus Buildings	Total Number Existing Classroom Buildings	Classroom Buildings w/Fuel Burning Appliances	Classroom Buildings w/Fuel Burning Mechanical	Classroom Buildings w/Carbon Monoxide Alarms	Classroom Buildings w/Radon Gas System
		buildings	bullulings	Appliances	Wechanica	Alullis	Gus system
Clinton City Schools	5						
Scotland County Schools	10				-		
Stanly County Schools	23						
Stokes County Schools	19						
Surry County Schools	20	-					
Elkin City Schools	4						eg .
Mount Airy City Schools	4	1		2 2			
Swain County Schools	5	0					4.
Transylvania County Schools	9			-			
Tyrrell County Schools	3			-			S
Union County Public Schools	52	S 8					86
Vance County Schools	16	2 3					88
Wake County Schools	197	3 3	- 4				
Warren County Schools	6			-			
Washington County Schools	5						
Watauga County Schools	11						
Wayne County Public Schools	33						
Wilkes County Schools	22				-		160
Wilson County Schools	25						
Yadkin County Schools	14						
Yancey County Schools	7						
State Agency Schools						i i	N .
NC DPI Deaf and Blind Schools	3	-			-		
NC DHI Dear and Blind Schools	12				-		
NC DPS Juvenile Education Services	16			//			8.
NC DF3 Juvernie Education Services	10				-		
Laboratory Schools							
Appalachian State U Academy Middle Fork	1						
Aggie Academy	1	3 3		46 20	9		86
Catamount School	1			6 6			
Niner University Elementary School	1			0			
D.C. Virgo Preparatory Academy	1			7 33			
Carolina Community Academy	1	7		7 33			
East Carolina Community School	1	P. Committee		2	-		
Appalachian State Univ Academy at Elkin	1						
Regional Schools		Ī		Ī		<u> </u>	
NERSBA Early College	1						
Statewide Schools		Ī		Ì		Ī	
NC School of Science and Mathematics	2						6
UNC School of the Arts	1	2		33			100
Statewide TOTALS					1		
All Surveyed Schools	2540	0	0	0	0	0	0

CARBON MONOXIDE ALARMS AND DETECTION SYSTEMS

(Written summary of survey findings by identified school with statewide totals)

(Table of survey data by identified school with statewide totals – approximately 54 pages)



RADON GAS TESTING AND DETECTION SYSTEMS

(Written summary of survey findings by identified school with statewide totals)

(Table of survey data by identified school with statewide totals – approximately 54 pages)



COST PROJECTIONS

(Written summary of survey findings by identified school with statewide totals)

(Table of survey data by identified school with statewide totals – approximately 54 pages)



CONCLUSIONS

(Written summary of conclusions and recommendations)



(Summary of relevant North Carolina State Building Code requirements)



(Summary of relevant North Carolina State Fire Code requirements)



(Reserved)



(Reserved)

