NASEO Survey, Part 1 Form K-12 School Conditions and Energy Use Survey

Specify name, type, and location of your school:		
Name		Grades
City		(K-6, 9-12, vocational, trade)
State		Zip code
Form completed by:	Title: _	
Telephone:() Date:		

Leave blank any questions or parts of questions for which you are not confident of your answer.

Far left column (red type), denotes the total responses for each question on the survey. Center or right entries (red type) denotes percentages

Responded

207 220	1	a) What is the age of the oldest building(s) in the school?b) The majority of the school is:	<u>48.7</u> y	/ears
		< 5 yrs. < 10 yrs. 8.6 4.5	< 15 yrs. 5.5	< 20 yrs > 20 yrs 4.1 77.3
217	2	a) How many months out of the past 12 were classes in sess	ion? <u>9.5</u>	months
221		b) Classify your school year:		
		Traditional 9 months <u>54.8</u>		
		Traditional + summer 30.5		
		Year round <u>1.3</u>		
		Other:5.9		
			Yes	No
219		c) Does your school have night school?	18.3	81.7
216		d) Does your school Weekend events?	64.8	35.2
218		e) Does your school Community night time events?	83.5	16.5
218		f) Does your school Non-academic summer events?	52.8	47.2
			Yes	No
218	3	Is energy used for institutional cooking?	79.8	20.2
			Yes	No
219	4	a) Does your school have hot water?	98.2	1.8
218		b) Does your school have a gym with hot shower facilities?	54.6	45.4
218		c) Does your school have an auditorium?	38.1	61.9
217		d) Does your school have a swimming pool?	6.0	94.0
13		e) Pool Heating		
		not heated natural gas/lp solar other	-	

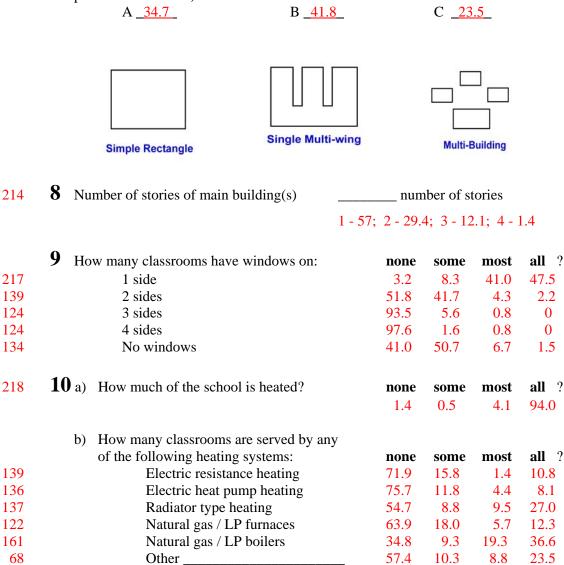
5 a) Number of operated modular / portable (detached classroom buildings less than 2000 sq.

	ft.) classrooms?	1.7	0 - 63%	1 - 10.4%	2 - 10	.4%	3 or more - 16.1%
b)	Average size of mo	dular	classroom	buildings?	Length:	39	feet
					Width:	24	feet

	6	Classroom types:	none	some	most	all	?
214		Traditional	1.9	1.4	13.6	83.2	
84		Pods	83.3	11.9	3.6	1.2	
79		Open	92.4	6.3	0	0.4	
43		Other	88.4	7.0	2.3	2.3	

Definitions:	Traditional -	single class in a room with its own door and walls lup to ceiling
	Pods -	multiple classes in a large room, partitions defining class spaces
	Open -	multiple classes
Comments:	-	-

7 Select the drawing that most closely models your school's layout (excluding all modular / portable classrooms):



b) How many classrooms are served by any of the following cooling systems: Window or wall AC units Chillers 10 years old on newer Chillers 10 years old on newer Statistic cooling Chillers 10 years old on newer Chillers 10 years old years years years year while the classes are in years years y	219	11 a)	How much of the school is air conditioned (cooled)	d no 11	one some .0 40.6	most 17.8	all ? 30.6	
185 Window or wall AC units 55.1 32.4 5.4 7.0 151 Packaged or spit DX systems 78.9 17.9 1.3 2.6 159 Chillers 10 years old or newer 78.6 5.0 6.9 9.4 154 Forced air systems (air ducts) 46.6 22.7 12.5 18.2 147 Thermal storage system 97.3 1.4 0 1.4 149 Evaporative cooling 91.7 1.7 1.7 5.0 159 Manual operation 30.8 25.8 11.3 32.1 166 Clock/programable thermostat 39.7 21.2 15.9 23.2 166 Energy management system 42.2 7.2 13.3 37.3 50 Other: 92.0 0 4.0 4.0 216 13 In how many classrooms can the thermostat Settings be changed (by teachers during Class) 91.6 4.7 1.0 2.6 174 How many classrooms have: none some most all ? 2.6 186 In how many classrooms have:		b)		no	ne some	most	all ?	
151 Packaged or spit DX systems 78.9 17.9 1.3 2.6 154 Chillers 10 years old or newer 78.6 5.0 6.9 9.4 154 Chillers 10 years old or newer 78.6 5.0 6.9 9.4 154 Chillers older than 10 years 85.1 5.2 3.9 5.8 176 Forced air systems (air ducts) 46.6 22.7 12.5 18.2 147 Thermal storage system 97.3 1.4 0 1.4 0 1.4 149 Evaporative cooling 89.9 4.7 2.0 3.4 60 Other: 91.7 1.7 1.7 5.0 151 Clock/programable thermostat 30.8 25.8 11.3 32.1 156 Other: 92.0 0 4.0 4.0 216 13 In how many classrooms can the thermostat none some most all ? 191 Daylight sensors (to control lights) 91.6 4.7 1.0 2.6 128 15 a) How many classrooms have: <t< th=""><th>185</th><th></th><th></th><th>55</th><th>1 32.4</th><th>54</th><th>7.0</th><th></th></t<>	185			55	1 32.4	54	7.0	
159 154 154 156 166Chillers 10 years old or newer Chillers older than 10 years (Chillers older than 10 years)78.6 (Chillers older than 10 years) (Chillers older than 10 years (Chillers older than 10 years)78.6 (Chillers older than 10 years)50 (Chillers older than 10 years)78.6 (Chillers older than 1								
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session? 1-4 weeks 1-3 months > 3 months 15.7 23.7 32.3 28.3	215	b)	sometimes be opened instead of runni					
15.7 23.7 32.3 28.3	198	c)	-	dows oper	ned per yea	r while th	ne classes	are in
			Comments					

 $16 \ {\rm a)} \ \ {\rm In \ how \ many \ classrooms \ (if \ any) \ have \ you } \qquad {\rm none} \quad {\rm some} \quad {\rm most} \quad {\rm all} \ \ ?$

218 130		had water damage in the last several years? Regular classrooms Modular		27.5 79.2	65.1 17.7	6.0 1.5	1.4 1.5	
	b)	In how many cases has the source of water	1	none	some	most	all	?
102		damage been:			22.0	26.0	10.7	,
193		Roof leaks		20.2 57.5	33.2	26.9	19.7	
160 161		Window leaks Plumbing leaks		57.5 54.7	28.8 42.2	3.1 2.5	0.6 0.6	
148		Disasters		93.9	4.1	2. <i>3</i> 8.7	1.4	
128		Unknown Other:		39.8	10.2			
217	17	How much of the school roof is flat	I	none	some	most	all	?
		(Opposed to sloped)	-	11.1	13.8	27.6	47.5	
	18	How much of the floor area is carpeted in:	I	none	some	most	all	?
214		Classrooms 17.3	3	37.4	30.4	15.0		
212		Hallways	(58.9	8.5	11.3	11.3	
214		Administrative	-	11.3	16.3	15.1	46.9	
215	19	How many classroom temperature related comfort complaints are likely caused by not having enough thermostats or zones Comments		none 37.2	some 34.0	most 21.4	all 7.4	?
	20	Have you had complaints from students,		e AF	'ew M	any Ch	ronic	N/A ?
		teachers or staff regarding indoor temperature	es					
210		in the last several years in:	20	10	2 20	$\sim \sim$	5	0
218 179		Regular classrooms Portables	3.2 39.1				2.5 1.7	0 31.3
204			21.6				7.8	1.5
204			31.0				5.4	6.9
195			26.2				ə.2	7.2
173		•	39.3				1.7	39.9
157			40.1				3.8	23.6

	21	Have there been complaints from students,	none	A Few	Many	Chronic	N/A ?
		teachers or staff regarding excessive humidi			-		
		In the last several years in:					
214		Regular classrooms	48.6	37.4	8.9	4.2	0.9
184		Portables	55.4	10.3	0.5	1.1	32.6
203		Administration	69.5	23.2	3.0	3.0	1.5
202		Cafeteria	65.8	20.8	4.0	3.0	6.4
198		Gymnasium	58.1	23.7	5.6	4.0	8.6
181		Other Auditorium	59.1	5.5	1.1	0	34.3
157		Special Function	61.1	10.8	1.9	0.6	25.5
		Comments					
	22	Have there been complaints of poor		A Few	Many	Chronic	N/A ?
		indoor air quality in the last several years in:					
215		Regular classrooms	34.4	44.2	13.0	7.4	0.9
185		Portables	47.6	14.1	3.2	1.1	34.1
200		Administration	62.0	26.0	6.5	4.0	1.5
199		Cafeteria	63.3	19.1	5.0	4.5	8.0
194		Gymnasium	64.4	19.1	4.6	3.6	8.2
174		Other Auditorium	55.7	6.3	0	0	37.9
162		Special Function Comments	58.6	10.5	1.9	1.2	27.8
213 184 198 198 193 175 158	23		35.2 46.2 69.7 66.2 63.2 57.1 61.4	52.6 17.4 22.7 22.2 23.3 3.4 7.6	8.5 2.7 3.0 3.0 3.6 0.6 1.3	Chronic 3.8 2.2 3.0 1.5 1.6 0 1.3	N/A ? 31.5 1.5 7.1 8.3 38.9 28.5
214 186 201	24	Comments Have there been significant cases of <u>Mold or mildew</u> in the last several years in: Regular classrooms Portables Administration	none 61.5 61.1 88.1			Chronic 1.3 1.1 1.5 1.0	N/A ? 0.4 31.1 1.0 6.5
199		Cafeteria	83.4	0.0	1.0	1.0	0.0
199 191		Cafeteria Gymnasium	83.4 82.2	6.3	2.1	1.0	8.4
191		Gymnasium	82.2 61.0 69.0	6.3 1.2 3.8	2.1	1.0	8.4

Have there been complaints of <u>poor</u> none A Few Many Chronic N/A ?

50.8	30.4	5.1	3.7	0
				31.4
				1.4
				6.4
				0.4 7.6
				36.4
				26.2
J 4. 0	1.5	1.2	0.0	20.2
60.3 56.1 81.6 54.2 52.0 51.1 59.7	A Few 29.4 8.6 10.0 20.2 25.7 6.7 5.7	7.9 1.6 4.0	2.3 1.1 3.0	N/A ? 0 32.6 1.5 7.4 6.4 37.1 28.9
	50.3 56.1 81.6 54.2 52.0 51.1	76.3 17.4 80.7 9.4 70.2 15.2 56.3 6.3 54.6 7.3 50.3 29.4 56.1 8.6 81.6 10.0 54.2 20.2 52.0 25.7 51.1 6.7	76.3 17.4 3.9 80.7 9.4 2.5 70.2 15.2 3.0 56.3 6.3 1.1 54.6 7.3 1.2 none A Few Many 50.3 29.4 7.9 56.1 8.6 1.6 81.6 10.0 4.0 54.2 20.2 12.8 52.0 25.7 10.9 51.1 6.7 1.7	76.3 17.4 3.9 1.0 80.7 9.4 2.5 1.0 70.2 15.2 3.0 4.0 56.3 6.3 1.1 0 54.6 7.3 1.2 0.6 chronic50.3 29.4 7.9 2.3 56.1 8.6 1.6 81.6 1.0 4.0 3.0 54.2 20.2 12.8 5.4 52.0 25.7 10.9 51.1 6.7 1.7 3.4

27 Identify any rooms or buildings that are especially uncomfortable / unpleasant and why.

28 Identify any rooms or buildings that are especially comfortable / unpleasant and why.

29 The single greatest need to make this facility more comfortable and productive is:

30 Identify any special energy features this school has (Solar Hot Water, Photovoltiacs, etc.):

	31	Is an active energy educational program in place	Yes	No	Don't Know
180		At your school?	30.0	70.0	
160		At your district?	40.0	60.0	

161	32	What is the total square feet of all space, both finished and unfinished, enclosed within the exterior walls of your school, including: basements, hallways, lobbies, stairways, elevator shafts and any portable/modular classrooms: (Please do not use commas in your answer) <u>85428</u> square feet
210	33 a)	What was the enrollment at your school last year: <u>504</u> students
201 171 204	c)	How many students can be seated in all classrooms at one time (capacity)?396 availableWhat was the averagedaily attendance last year? How many classrooms are in the school?462 30 classrooms
205	34	How many teachers and staff work in the school workers during the <u>main shift (in a typical school day)?</u>
209	35	During the months in use, what is the total number of hours Operating hours per week for most of the school (include After school hours and weekends)?
	36	General comments on any of the Part 1 questions. Also include any comments about the survey itself:

This completes Part 1 of the survey. Please submit by clicking on the button below.

Submit Part 1 Information