

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

1 a) What is the age of the oldest building(s) in the school? 48.7 years
 207
 220 b) The majority of the school is:

< 5 yrs.	< 10 yrs.	< 15 yrs.	< 20 yrs	> 20 yrs
8.6	4.5	5.5	4.1	77.3

2 a) How many months out of the past 12 were classes in session? 9.5 months
 217
 221 b) Classify your school year:

Traditional 9 months	<u>54.8</u>
Traditional + summer	<u>30.5</u>
Year round	<u>1.3</u>
Other:	<u>5.9</u>

	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 modular classroom buildings? Length: 39 feet
 Width: 24 feet

	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 luj to ceiling
 Pods - multiple classes in a large room, partitions defining class spaces
 Open - multiple classes

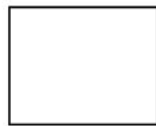
Comments: _____

213 **7** Select the drawing that most closely models your school's layout (excluding all modular / portable classrooms):

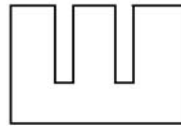
A 34.7

B 41.8

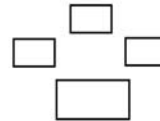
C 23.5



Simple Rectangle



Single Multi-wing



Multi-Building

214 **8** Number of stories of main building(s) _____ number of stories

1 - 57; 2 - 29.4; 3 - 12.1; 4 - 1.4

	How many classrooms have windows on:	none	some	most	all	?
217	1 side	3.2	8.3	41.0	47.5	
139	2 sides	51.8	41.7	4.3	2.2	
124	3 sides	93.5	5.6	0.8	0	
124	4 sides	97.6	1.6	0.8	0	
134	No windows	41.0	50.7	6.7	1.5	

218 **10** a) How much of the school is heated?

none	some	most	all	?
1.4	0.5	4.1	94.0	

	b) How many classrooms are served by any of the following heating systems:	none	some	most	all	?
139	Electric resistance heating	71.9	15.8	1.4	10.8	
136	Electric heat pump heating	75.7	11.8	4.4	8.1	
137	Radiator type heating	54.7	8.8	9.5	27.0	
122	Natural gas / LP furnaces	63.9	18.0	5.7	12.3	
161	Natural gas / LP boilers	34.8	9.3	19.3	36.6	
68	Other _____	57.4	10.3	8.8	23.5	

219	11 a)	How much of the school is air conditioned (cooled)	none	some	most	all	?
			11.0	40.6	17.8	30.6	
	b)	How many classrooms are served by any of the following cooling systems:	none	some	most	all	?
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		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	
149		Evaporative cooling	89.9	4.7	2.0	3.4	
60		Other: _____	91.7	1.7	1.7	5.0	
	12	What portions of your heating and cooling systems are controlled by:	none	some	most	all	?
159		Manual operation	30.8	25.8	11.3	32.1	
151		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)	none	some	most	all	?
			34.3	25.0	17.1	23.6	
	14	How many classrooms have:	none	some	most	all	?
191		Daylight sensors (to control lights)	91.6	4.7	1.0	2.6	
186		T-8 fluorescent light fixtures	19.4	18.3	21.0	41.4	
174		T-12 fluorescent light fixtures	52.9	24.7	10.9	11.5	
183		Occupancy sensors	84.2	10.9	2.7	2.2	
184		Skylights	88.6	10.9	0.5	0	
218	15 a)	How many classrooms have windows That can be opened?	none	some	most	all	?
			9.6	11.9	29.8	48.6	
215	b)	In how many classrooms will windows sometimes be opened instead of running the air conditioner?	none	some	most	all	?
			24.7	29.8	21.9	23.7	
198	c)	On average, how often are classroom windows opened per year while the classes are in session?					
		< 1 week	15.7	23.7	32.3	28.3	
		1-4 weeks					
		1-3 months					
		> 3 months					
		Comments _____					
	16 a)	In how many classrooms (if any) have you	none	some	most	all	?

		had water damage in the last several years?					
218		Regular classrooms	27.5	65.1	6.0	1.4	
130		Modular	79.2	17.7	1.5	1.5	
	b)	In how many cases has the source of water damage been:	none	some	most	all ?	
193		Roof leaks	20.2	33.2	26.9	19.7	
160		Window leaks	67.5	28.8	3.1	0.6	
161		Plumbing leaks	54.7	42.2	2.5	0.6	
148		Disasters	93.9	4.1	8.7	1.4	
128		Unknown	89.8	10.2	--	--	
		Other: _____					
217	17	How much of the school roof is flat (Opposed to sloped)	none	some	most	all ?	
			11.1	13.8	27.6	47.5	
	18	How much of the floor area is carpeted in:	none	some	most	all ?	
214		Classrooms 17.3	37.4	30.4	15.0		
212		Hallways	68.9	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	none	some	most	all ?	
		Comments _____	37.2	34.0	21.4	7.4	
	20	Have you had complaints from students, teachers or staff regarding <u>indoor temperatures</u> in the last several years in:	none	A Few	Many	Chronic	N/A ?
218		Regular classrooms	3.2	46.3	28.0	22.5	0
179		Portables	39.1	22.3	5.6	1.7	31.3
204		Administration	21.6	52.9	16.2	7.8	1.5
203		Cafeteria	31.0	39.4	16.3	6.4	6.9
195		Gymnasium	26.2	41.5	15.9	9.2	7.2
173		Other Auditorium	39.3	16.2	2.3	1.7	39.9
157		Special Function	40.1	28.7	3.8	3.8	23.6
		Comments _____					

21	Have there been complaints from students, teachers or staff regarding <u>excessive humidity</u> in the last several years in:	none	A Few	Many	Chronic	N/A ?
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 <u>poor indoor air quality</u> in the last several years in:	none	A Few	Many	Chronic	N/A ?
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	58.6	10.5	1.9	1.2	27.8
	Comments _____					

23	Have there been complaints of odors in the last several years in:	none	A Few	Many	Chronic	N/A ?
213	Regular classrooms	35.2	52.6	8.5	3.8	--
184	Portables	46.2	17.4	2.7	2.2	31.5
198	Administration	69.7	22.7	3.0	3.0	1.5
198	Cafeteria	66.2	22.2	3.0	1.5	7.1
193	Gymnasium	63.2	23.3	3.6	1.6	8.3
175	Other Auditorium	57.1	3.4	0.6	0	38.9
158	Special Function	61.4	7.6	1.3	1.3	28.5
	Comments _____					

24	Have there been significant cases of <u>Mold or mildew</u> in the last several years in:	none	A Few	Many	Chronic	N/A ?
214	Regular classrooms	61.5	23.4	2.9	1.3	0.4
186	Portables	61.1	5.6	1.1	1.1	31.1
201	Administration	88.1	8.5	1.0	1.5	1.0
199	Cafeteria	83.4	8.0	1.0	1.0	6.5
191	Gymnasium	82.2	6.3	2.1	1.0	8.4
172	Other Auditorium	61.0	1.2	0.6	0	37.2
158	Special Function	69.0	3.8	0.6	0	26.6
	Comments _____					

25	Have there been complaints of <u>poor</u>	none	A Few	Many	Chronic	N/A ?
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lighting (e.g., too dark, too bright, too much glare in the last several years in:

217	Regular classrooms	60.8	30.4	5.1	3.7	0
188	Portables	59.0	6.9	1.6	1.1	31.4
207	Administration	76.3	17.4	3.9	1.0	1.4
202	Cafeteria	80.7	9.4	2.5	1.0	6.4
198	Gymnasium	70.2	15.2	3.0	4.0	7.6
176	Other Auditorium	56.3	6.3	1.1	0	36.4
164	Special Function	64.6	7.3	1.2	0.6	26.2
	Comments _____					

26 Have there been complaints of poor acoustics (eg., too noisy) in the last several years in:

		none	A Few	Many	Chronic	N/A ?
214	Regular classrooms	60.3	29.4	7.9	2.3	0
187	Portables	56.1	8.6	1.6	1.1	32.6
201	Administration	81.6	10.0	4.0	3.0	1.5
203	Cafeteria	54.2	20.2	12.8	5.4	7.4
202	Gymnasium	52.0	25.7	10.9	5.0	6.4
178	Other Auditorium	51.1	6.7	1.7	3.4	37.1
159	Special Function	59.7	5.7	2.5	3.1	28.9
	Comments _____					

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, Photovoltaics, etc.):

		Yes	No	Don't Know
180	Is an active energy educational program in place 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) 85428 square feet

210 **33** a) What was the enrollment at your school last year: 504 students

201 b) How many students can be seated in all classrooms at one time (capacity)? 396 student stations available

171 c) What was the averagedaily attendance last year? 462 students

204 d) How many classrooms are in the school? 30 classrooms

205 **34** How many teachers and staff work in the school during the main shift (in a typical school day)? 54.4 workers

209 **35** During the months in use, what is the total number of 54.1 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