
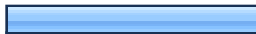












1. Has your institution participated in APPA's FPI survey within the past 4 years?

		Response Percent	Response Count
Yes		78.3%	112
No		21.7%	31
		<b>answered question</b>	<b>143</b>
		<b>skipped question</b>	<b>2</b>



**2. Are you satisfied with the current FPI survey and feel that the overall campus energy and consumption values are significant and valuable?**

		Response Percent	Response Count
Extremely satisfied		5.8%	8
Somewhat satisfied		42.0%	58
<b>Satisfied/neutral</b>		<b>45.7%</b>	<b>63</b>
Somewhat dissatisfied		5.8%	8
Extremely dissatisfied		0.7%	1
		<b>answered question</b>	<b>138</b>
		<b>skipped question</b>	<b>7</b>

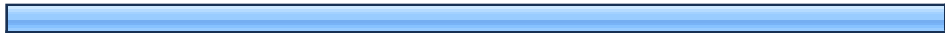

**3. Would you find value in benchmarking energy consumption by building type, i.e., Research Space, Residence Halls, Dining Facilities, Academic Buildings, etc.?**

		Response Percent	Response Count
Extremely valuable		50.0%	70
Somewhat valuable		37.1%	52
Valuable/neutral		6.4%	9
Marginally valuable		5.0%	7
Definitely not valuable		1.4%	2
		<b>answered question</b>	<b>140</b>
		<b>skipped question</b>	<b>5</b>

**4. Does your campus meter a significant portion (70% or more) of your buildings individually by electricity, heat energy, and/or cooling energy?**

		Response Percent	Response Count
Yes		54.6%	77
No		45.4%	64
		<b>answered question</b>	<b>141</b>
		<b>skipped question</b>	<b>4</b>

**5. Would you participate in an annual energy survey that provides energy consumption by building type?**

		Response Percent	Response Count
Yes		82.0%	105
No		18.0%	23
answered question			128
skipped question			17










**6. What percent of your overall energy consumption on campus is currently sub-metered? Enter your percent value as a number only (no % sign). The number should be 100 or less.**

	Response Average	Response Total	Response Count
% of overall energy consumption sub-metered	52.81	6,232	118
answered question			118
skipped question			27

**7. What percent of your total gross square feet/meters is currently sub-metered? Enter your percent value as a number only (no % sign). The number should be 100 or less.**

	<b>Response Average</b>	<b>Response Total</b>	<b>Response Count</b>
<b>% of total campus sub-metered</b>	<b>52.22</b>	<b>6,110</b>	<b>117</b>
	<b>answered question</b>		<b>117</b>
	<b>skipped question</b>		<b>28</b>

**8. What types of spaces would you like to measure, if this were an option in the future? Select as many as you wish, and add others that may not be listed.**

		Response Percent	Response Count
Academic offices		58.6%	68
Administrative offices		69.8%	81
Athletic facilities		62.9%	73
Classrooms		67.2%	78
Dining facilities		64.7%	75
Research laboratories		65.5%	76
<b>Residence halls</b>		<b>77.6%</b>	<b>90</b>
Student union		46.6%	54
Other (please list as many other space types as you wish)		22.4%	26
		<b>answered question</b>	<b>116</b>
		<b>skipped question</b>	<b>29</b>

**9. Please provide any comments or suggestions you have for the improvement of the Energy module in APPA's Facilities Performance Indicators survey and report.**

	Response Count
	40
answered question	40
skipped question	105

**Page 4, Q6. What percent of your overall energy consumption on campus is currently sub-metered? Enter your percent value as a number only (no % sign). The number should be 100 or less.**

1	90	Aug 2, 2011 12:00 PM
2	5	Jul 29, 2011 2:53 PM
3	40	Jul 28, 2011 8:32 PM
4	100	Jul 28, 2011 7:09 AM
5	60	Jul 27, 2011 7:50 AM
6	85	Jul 21, 2011 3:00 PM
7	90	Jul 21, 2011 2:16 PM
8	80	Jul 21, 2011 1:56 PM
9	80	Jul 21, 2011 8:49 AM
10	10	Jul 20, 2011 5:05 PM
11	70	Jul 20, 2011 6:19 AM

**Page 4, Q6. What percent of your overall energy consumption on campus is currently sub-metered? Enter your percent value as a number only (no % sign). The number should be 100 or less.**

12	95	Jul 20, 2011 3:01 AM
13	65	Jul 19, 2011 3:41 PM
14	95	Jul 19, 2011 6:26 AM
15	80	Jul 18, 2011 9:18 AM
16	50	Jul 18, 2011 8:36 AM
17	60	Jul 18, 2011 6:21 AM
18	20	Jul 17, 2011 10:10 AM
19	98	Jul 15, 2011 1:40 PM
20	20	Jul 15, 2011 11:44 AM
21	50	Jul 15, 2011 8:57 AM
22	95	Jul 15, 2011 5:45 AM
23	50	Jul 14, 2011 4:29 PM
24	70	Jul 14, 2011 1:36 PM
25	0	Jul 14, 2011 8:28 AM
26	90	Jul 14, 2011 8:15 AM
27	100	Jul 14, 2011 7:46 AM
28	25	Jul 14, 2011 6:22 AM
29	70	Jul 14, 2011 6:01 AM
30	60	Jul 13, 2011 3:02 PM
31	95	Jul 13, 2011 1:08 PM

**Page 4, Q6. What percent of your overall energy consumption on campus is currently sub-metered? Enter your percent value as a number only (no % sign). The number should be 100 or less.**

32	100	Jul 13, 2011 1:02 PM
33	95	Jul 13, 2011 12:36 PM
34	70	Jul 13, 2011 12:14 PM
35	20	Jul 13, 2011 11:29 AM
36	15	Jul 13, 2011 10:44 AM
37	0	Jul 13, 2011 10:09 AM
38	90	Jul 13, 2011 9:42 AM
39	10	Jul 13, 2011 9:35 AM
40	80	Jul 13, 2011 9:25 AM
41	40	Jul 13, 2011 9:13 AM
42	95	Jul 13, 2011 9:05 AM
43	70	Jul 13, 2011 8:38 AM
44	60	Jul 13, 2011 8:35 AM
45	70	Jul 13, 2011 8:01 AM
46	95	Jul 13, 2011 7:44 AM
47	5	Jul 13, 2011 7:39 AM
48	22	Jul 13, 2011 7:34 AM
49	50	Jul 13, 2011 6:28 AM
50	40	Jul 13, 2011 6:22 AM
51	10	Jul 13, 2011 6:20 AM

**Page 4, Q6. What percent of your overall energy consumption on campus is currently sub-metered? Enter your percent value as a number only (no % sign). The number should be 100 or less.**

52	0	Jul 13, 2011 6:09 AM
53	80	Jul 13, 2011 6:03 AM
54	60	Jul 13, 2011 5:58 AM
55	20	Jul 13, 2011 5:55 AM
56	20	Jul 13, 2011 5:53 AM
57	5	Jul 13, 2011 5:53 AM
58	25	Jul 13, 2011 5:52 AM
59	0	Jul 13, 2011 5:34 AM
60	15	Jul 13, 2011 5:27 AM
61	20	Jul 13, 2011 5:26 AM
62	90	Jul 13, 2011 5:21 AM
63	70	Jul 13, 2011 5:03 AM
64	95	Jul 13, 2011 4:46 AM
65	100	Jul 13, 2011 4:34 AM
66	100	Jul 13, 2011 4:07 AM
67	0	Jul 13, 2011 4:01 AM
68	80	Jul 13, 2011 3:54 AM
69	100	Jul 13, 2011 3:49 AM
70	20	Jul 13, 2011 3:42 AM
71	0	Jul 13, 2011 3:40 AM

**Page 4, Q6. What percent of your overall energy consumption on campus is currently sub-metered? Enter your percent value as a number only (no % sign). The number should be 100 or less.**

72	70	Jul 12, 2011 7:15 PM
73	30	Jul 12, 2011 6:08 PM
74	80	Jul 12, 2011 5:43 PM
75	100	Jul 12, 2011 5:19 PM
76	0	Jul 12, 2011 3:45 PM
77	5	Jul 12, 2011 3:42 PM
78	35	Jul 12, 2011 3:42 PM
79	23	Jul 12, 2011 3:32 PM
80	60	Jul 12, 2011 3:28 PM
81	50	Jul 12, 2011 3:13 PM
82	40	Jul 12, 2011 3:09 PM
83	80	Jul 12, 2011 3:09 PM
84	10	Jul 12, 2011 3:00 PM
85	10	Jul 12, 2011 2:57 PM
86	95	Jul 12, 2011 2:55 PM
87	95	Jul 12, 2011 2:50 PM
88	20	Jul 12, 2011 2:50 PM
89	30	Jul 12, 2011 2:49 PM
90	100	Jul 12, 2011 2:40 PM
91	20	Jul 12, 2011 2:26 PM

**Page 4, Q6. What percent of your overall energy consumption on campus is currently sub-metered? Enter your percent value as a number only (no % sign). The number should be 100 or less.**

92	60	Jul 12, 2011 2:06 PM
93	40	Jul 12, 2011 1:59 PM
94	50	Jul 12, 2011 1:58 PM
95	100	Jul 12, 2011 1:55 PM
96	90	Jul 12, 2011 1:50 PM
97	60	Jul 12, 2011 1:46 PM
98	95	Jul 12, 2011 1:42 PM
99	50	Jul 12, 2011 1:42 PM
100	80	Jul 12, 2011 1:41 PM
101	20	Jul 12, 2011 1:39 PM
102	0	Jul 12, 2011 1:36 PM
103	100	Jul 12, 2011 1:36 PM
104	30	Jul 12, 2011 1:35 PM
105	30	Jul 12, 2011 1:33 PM
106	10	Jul 12, 2011 1:32 PM
107	90	Jul 12, 2011 1:31 PM
108	50	Jul 12, 2011 1:30 PM
109	10	Jul 12, 2011 1:27 PM
110	15	Jul 12, 2011 1:26 PM
111	35	Jul 12, 2011 1:23 PM

**Page 4, Q6. What percent of your overall energy consumption on campus is currently sub-metered? Enter your percent value as a number only (no % sign). The number should be 100 or less.**

112	99	Jul 12, 2011 1:23 PM
113	40	Jul 12, 2011 1:23 PM
114	5	Jul 12, 2011 1:23 PM
115	100	Jul 12, 2011 1:22 PM
116	85	Jul 12, 2011 1:21 PM
117	0	Jul 12, 2011 1:16 PM
118	0	Jul 12, 2011 1:15 PM

**Page 4, Q7. What percent of your total gross square feet/meters is currently sub-metered? Enter your percent value as a number only (no % sign). The number should be 100 or less.**

1	0	Aug 2, 2011 12:00 PM
2	5	Jul 29, 2011 2:53 PM
3	45	Jul 28, 2011 8:32 PM
4	100	Jul 28, 2011 7:09 AM
5	60	Jul 27, 2011 7:50 AM
6	85	Jul 21, 2011 3:00 PM
7	90	Jul 21, 2011 2:16 PM
8	50	Jul 21, 2011 1:56 PM
9	80	Jul 21, 2011 8:49 AM
10	20	Jul 20, 2011 5:05 PM

**Page 4, Q7. What percent of your total gross square feet/meters is currently sub-metered? Enter your percent value as a number only (no % sign). The number should be 100 or less.**

11	70	Jul 20, 2011 6:19 AM
12	80	Jul 20, 2011 3:01 AM
13	65	Jul 19, 2011 3:41 PM
14	95	Jul 19, 2011 6:26 AM
15	80	Jul 18, 2011 9:18 AM
16	50	Jul 18, 2011 8:36 AM
17	60	Jul 18, 2011 6:21 AM
18	20	Jul 17, 2011 10:10 AM
19	96	Jul 15, 2011 1:40 PM
20	20	Jul 15, 2011 11:44 AM
21	50	Jul 15, 2011 8:57 AM
22	92	Jul 15, 2011 5:45 AM
23	50	Jul 14, 2011 4:29 PM
24	80	Jul 14, 2011 1:36 PM
25	0	Jul 14, 2011 8:28 AM
26	90	Jul 14, 2011 8:15 AM
27	100	Jul 14, 2011 7:46 AM
28	25	Jul 14, 2011 6:22 AM
29	50	Jul 14, 2011 6:01 AM
30	40	Jul 13, 2011 3:02 PM

**Page 4, Q7. What percent of your total gross square feet/meters is currently sub-metered? Enter your percent value as a number only (no % sign). The number should be 100 or less.**

31	95	Jul 13, 2011 1:08 PM
32	100	Jul 13, 2011 1:02 PM
33	0	Jul 13, 2011 12:36 PM
34	100	Jul 13, 2011 12:14 PM
35	50	Jul 13, 2011 11:29 AM
36	20	Jul 13, 2011 10:44 AM
37	30	Jul 13, 2011 10:09 AM
38	90	Jul 13, 2011 9:42 AM
39	10	Jul 13, 2011 9:35 AM
40	90	Jul 13, 2011 9:25 AM
41	100	Jul 13, 2011 9:05 AM
42	90	Jul 13, 2011 8:38 AM
43	60	Jul 13, 2011 8:35 AM
44	70	Jul 13, 2011 8:01 AM
45	95	Jul 13, 2011 7:44 AM
46	5	Jul 13, 2011 7:39 AM
47	22	Jul 13, 2011 7:34 AM
48	50	Jul 13, 2011 6:28 AM
49	50	Jul 13, 2011 6:22 AM
50	10	Jul 13, 2011 6:20 AM

**Page 4, Q7. What percent of your total gross square feet/meters is currently sub-metered? Enter your percent value as a number only (no % sign). The number should be 100 or less.**

51	0	Jul 13, 2011 6:09 AM
52	80	Jul 13, 2011 6:03 AM
53	60	Jul 13, 2011 5:58 AM
54	27	Jul 13, 2011 5:55 AM
55	20	Jul 13, 2011 5:53 AM
56	11	Jul 13, 2011 5:53 AM
57	25	Jul 13, 2011 5:52 AM
58	0	Jul 13, 2011 5:34 AM
59	15	Jul 13, 2011 5:27 AM
60	20	Jul 13, 2011 5:26 AM
61	90	Jul 13, 2011 5:21 AM
62	40	Jul 13, 2011 5:03 AM
63	98	Jul 13, 2011 4:46 AM
64	100	Jul 13, 2011 4:34 AM
65	100	Jul 13, 2011 4:07 AM
66	0	Jul 13, 2011 4:01 AM
67	80	Jul 13, 2011 3:54 AM
68	100	Jul 13, 2011 3:49 AM
69	10	Jul 13, 2011 3:42 AM
70	0	Jul 13, 2011 3:40 AM

**Page 4, Q7. What percent of your total gross square feet/meters is currently sub-metered? Enter your percent value as a number only (no % sign). The number should be 100 or less.**

71	65	Jul 12, 2011 7:15 PM
72	20	Jul 12, 2011 6:08 PM
73	90	Jul 12, 2011 5:43 PM
74	100	Jul 12, 2011 5:19 PM
75	10	Jul 12, 2011 3:45 PM
76	5	Jul 12, 2011 3:42 PM
77	35	Jul 12, 2011 3:42 PM
78	29	Jul 12, 2011 3:32 PM
79	70	Jul 12, 2011 3:28 PM
80	50	Jul 12, 2011 3:13 PM
81	50	Jul 12, 2011 3:09 PM
82	80	Jul 12, 2011 3:09 PM
83	10	Jul 12, 2011 3:00 PM
84	10	Jul 12, 2011 2:57 PM
85	90	Jul 12, 2011 2:55 PM
86	98	Jul 12, 2011 2:50 PM
87	20	Jul 12, 2011 2:50 PM
88	80	Jul 12, 2011 2:49 PM
89	100	Jul 12, 2011 2:40 PM
90	20	Jul 12, 2011 2:26 PM

**Page 4, Q7. What percent of your total gross square feet/meters is currently sub-metered? Enter your percent value as a number only (no % sign). The number should be 100 or less.**

91	90	Jul 12, 2011 2:06 PM
92	25	Jul 12, 2011 1:59 PM
93	70	Jul 12, 2011 1:58 PM
94	100	Jul 12, 2011 1:55 PM
95	90	Jul 12, 2011 1:50 PM
96	40	Jul 12, 2011 1:46 PM
97	95	Jul 12, 2011 1:42 PM
98	40	Jul 12, 2011 1:42 PM
99	80	Jul 12, 2011 1:41 PM
100	21	Jul 12, 2011 1:39 PM
101	0	Jul 12, 2011 1:36 PM
102	30	Jul 12, 2011 1:36 PM
103	30	Jul 12, 2011 1:35 PM
104	30	Jul 12, 2011 1:33 PM
105	10	Jul 12, 2011 1:32 PM
106	90	Jul 12, 2011 1:31 PM
107	50	Jul 12, 2011 1:30 PM
108	10	Jul 12, 2011 1:27 PM
109	15	Jul 12, 2011 1:26 PM
110	45	Jul 12, 2011 1:23 PM

**Page 4, Q7. What percent of your total gross square feet/meters is currently sub-metered? Enter your percent value as a number only (no % sign). The number should be 100 or less.**

111	99	Jul 12, 2011 1:23 PM
112	60	Jul 12, 2011 1:23 PM
113	7	Jul 12, 2011 1:23 PM
114	100	Jul 12, 2011 1:22 PM
115	90	Jul 12, 2011 1:21 PM
116	0	Jul 12, 2011 1:16 PM
117	0	Jul 12, 2011 1:15 PM

**Page 5, Q8. What types of spaces would you like to measure, if this were an option in the future? Select as many as you wish, and add others that may not be listed.**

1	Greenhouse	Jul 29, 2011 2:54 PM
2	Office	Jul 19, 2011 3:41 PM
3	Libraries	Jul 15, 2011 1:53 PM
4	Data Centers	Jul 15, 2011 5:46 AM
5	Performance Hall, Gym, Child Care, Trades and Tech.	Jul 14, 2011 4:31 PM
6	Industrial Division Programs	Jul 14, 2011 6:24 AM
7	water consumption such as football field/soccer field	Jul 14, 2011 6:04 AM
8	We divide between ancillaries (cost recoveries) & Academic	Jul 13, 2011 12:21 PM
9	Farm facilities, sub meter within facilities for specific load blocks such as large server clusters, select pieces of equipment for demonstration such as fume hoods or comparisons of tow similiar labs with different mechanical configurations, sub meter of major energy renewals	Jul 13, 2011 9:13 AM

**Page 5, Q8. What types of spaces would you like to measure, if this were an option in the future? Select as many as you wish, and add others that may not be listed.**

10	office/classroom buildings	Jul 13, 2011 8:44 AM
11	maintenance areas, storage areas	Jul 13, 2011 7:10 AM
12	none	Jul 13, 2011 5:56 AM
13	classroom lab buildings	Jul 13, 2011 5:55 AM
14	Cullinary facilities, Trade facilitites (Auto tech, funeral services, electrcial, HVAC, Heating etc), Combined facilities	Jul 13, 2011 3:57 AM
15	In my case, community college, we have one building and everyting is in one building--no dining, research or residensce halls	Jul 13, 2011 3:51 AM
16	classroom & office or everything under one roof	Jul 13, 2011 3:41 AM
17	Academic buildings as a whole, including classrooms and office space.	Jul 12, 2011 3:13 PM
18	Vivaria	Jul 12, 2011 3:10 PM
19	Central Plant, Auxiliary buildings like Grounds shop	Jul 12, 2011 3:02 PM
20	Acadmic Spaces (General)	Jul 12, 2011 2:49 PM
21	central boiler plant	Jul 12, 2011 1:59 PM
22	ice skating facilities	Jul 12, 2011 1:45 PM
23	Library, Science Building, Mixed Use Classroom & Offices	Jul 12, 2011 1:44 PM
24	all types	Jul 12, 2011 1:40 PM
25	offices - general	Jul 12, 2011 1:35 PM
26	Recreation and Physical Activity Centers; Administrative Support Spaces - meeting and conference spaces	Jul 12, 2011 1:24 PM

**Page 5, Q9. Please provide any comments or suggestions you have for the improvement of the Energy module in APPA's Facilities Performance Indicators survey and report.**

1	We meter each buildings energy consumption by utility. Steam, Chilled Water, Electric, Water, Sewer, and Gas. These	Aug 2, 2011 12:04 PM
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**Page 5, Q9. Please provide any comments or suggestions you have for the improvement of the Energy module in APPA's Facilities Performance Indicators survey and report.**

	are all sub-meters below master meters at the production plants and local utility company. We do not sub-meter systems after the building point of entry. Any additional metering would be costly to operate and maintain.	
2	Expand the survey to include current energy initiatives underway or being considered. Solar energy, geothermal, lighting, building automation systems, dashboards, use of energy consultants and energy specific personnel, budget allocation for energy related projects, green building projects, sustainable building materials and furnishings, energy awareness communication/training of staff, faculty and students, etc.	Jul 28, 2011 8:47 PM
3	Clearer definitions as to what to include and not to include. Possibly adding examples to help in this regard. Regarding question #8, we would be interested in all areas but can only provide information at the building level.	Jul 21, 2011 3:03 PM
4	Most of our buildings are mixed use buildings (e.g. office space, research space, classrooms and dining facilities in a same building). However, we have residence halls, student union buildings, purely administrative buildings, or mainly research oriented buildings. Second comment: the 50% of gross space / 80% of energy consumption is an estimate.	Jul 21, 2011 2:13 PM
5	I would suggest that academic and administrative offices could be combined into one category. They should also map back to the HEGIS codes as most of us have space categorized that way already.	Jul 20, 2011 3:03 AM
6	While energy consumption is reported, costs for various types of energy are not. Overall costs for all energy are, but the differences in costs by type of utility might tell you where to spend energy efficiency dollars.	Jul 18, 2011 9:19 AM
7	100% of our buildings are submetered for electricity at the building level. Steam and chilled water are not metered at the building level and are billed by a sqft assignment. We do not have a way to separate consumption by space types. Buildings can only be classified as to space type by percentage and estimation. Spaces could be classified by the factors that increase their energy usage i.e. 100% outside air, machinery intensive, 24 hour occupancy, lighting intensity etc. Not all research space is created equal. Energy consumption must also be normalized by region, utility rates, and design loads in each utility stream electricity, coal, gas etc.	Jul 18, 2011 8:38 AM
8	We have not invested in the level of metering required to give a good break down by building type. As a small college it is more valuable to benchmark to peer institutions with similar programs and then look at the composite information. building metering currently helps us focus energy improvement \$\$.	Jul 18, 2011 6:27 AM
9	We currently have limited submetering but are in planning to add submeters to all buildings within 3 years.	Jul 15, 2011 11:45 AM
10	PLEASE provide a total BTU/sq ft number for each institution with sub totals for BTU/sq ft for heating and KWH/ sq ft. This is how we can reasonably determine how our total energy consumption compares to other institutions.	Jul 14, 2011 1:41 PM
11	APPA needs to take the lead in going beyond the definitions of the metrics, but also ensuring that all institutions include or exclude the same items in their reporting. Utilities is one of the least defined and needs to be tightened up	Jul 14, 2011 11:01 AM

**Page 5, Q9. Please provide any comments or suggestions you have for the improvement of the Energy module in APPA's Facilities Performance Indicators survey and report.**

12	Water conservation is a crucial element of environmental stewardship which we assign to Facilities Operations Energy Group. Water/wastewater/reclaim wate should be included.	Jul 14, 2011 6:04 AM
13	The buildings are metered but buildings contain multiple user functions.	Jul 13, 2011 1:05 PM
14	I understand the importance of the various area types having different energy intensity benchmarks, but very few, if any institutions have those areas separately metered. Also, the minimum utilities should at least include natural gas, electricity, and water. Many surveys only cover some. The focus should be towards all conservation, rather than just energy (elect. & gas). At some point, waste should be introduced as a broader spectrum to include Sustainability and green house emissions.	Jul 13, 2011 12:21 PM
15	It would be interesting to know, but would require significant startup costs for us to do meaningful submetering. Great too for decision making, I question the return on investment for day-to-day operations	Jul 13, 2011 10:46 AM
16	sub meteribng of buildings by types,(academic, Research , administrative for example ) wouls provide invaluable information. The problem is that I do not beleuive sub metering is as common as it should be . We are currently working on it	Jul 13, 2011 10:11 AM
17	Need more definitions as to what should be included. A big question here is should parking garages be included in GSF, they use energy, but at a much lower use/gsf then other facilities. I don't think they should be included in the GSF.	Jul 13, 2011 9:45 AM
18	The problem starts with us not having enough sub-metering. Looking at the entire campus as a whole really limits the utility of the survey results. (I have a lot of buildings with an inefficient, un-sub-metered distribution network. Obviously makes it hard to target areas for improvement and measure results.)	Jul 13, 2011 9:39 AM
19	Be clear on what is expected for sub metering -- is this individual buildings on campus or load blocks within buildings	Jul 13, 2011 9:13 AM
20	It would be nice to also have the data normalized - like to heat/cool degree days	Jul 13, 2011 9:07 AM
21	We have a few issues with drilling down to individual buildings: we don't have a good break out by space utilization; we don't meter steam individually yet (elec, gas & water are 95% metered in all spaces); many buildings are 'mixed' so which of the above categories do you use? I'd suggest looking at Energy Star portfolio for some direction but they don't adequately break it out either. It would be great info. but hard for many of to provide.	Jul 13, 2011 8:44 AM
22	It is important that the energy module does not change significantly. Time constraints for building level reporting would be onerous and the level of error and inaccuracy may increase. There are several dozen building construction and weather factors that would effect the energy intensity of a building more so then what it's function is. Unless these are tracked it would not be useful to track energy at a building level. If the goal is to highlight buildings that perform at high levels of efficiency it might be better to develop a website with detailed information on the construction of the best buildings in	Jul 13, 2011 8:44 AM

**Page 5, Q9. Please provide any comments or suggestions you have for the improvement of the Energy module in APPA's Facilities Performance Indicators survey and report.**

	North America rather than increasing the level of data collection for all buildings.	
23	The current worksheet does a good job of keeping units straight. It would be even more helpful if this had a take away glossary feature because I find myself needing unit conversions all the time and it's real confusing. We exclude Auxiliaries when we report, which is why I checked boxes in #8 I did. The data from us is readily available if you wanted to structure this question to provide information on all facilities like is done for Total Assignable Square Feet. If your not already include heating & cooling degree days set to a consistent baseline. The we can compare peers easily. This website provides HDD & CDD downloads: <a href="http://www.degree-days.net/">http://www.degree-days.net/</a>	Jul 13, 2011 7:53 AM
24	Even though we do not have sufficient sub metering to enable us to acuarately report, we would still like to see what figures look like from those who can.	Jul 13, 2011 7:37 AM
25	the survey is extremely hard to complete providing accurate data for those of us with very little submetering and a small staff that does not have time to adequately and appropriately gather the data. any changes that could be implemented to make it easier would increase participation, especially for smaller schools	Jul 13, 2011 5:56 AM
26	This data could be usefull however the problem is the metering accuracy, meter existance, and interpretation of the Sub-metering details so that the comparisons actually mean something to the whole group. the survey certainly cannot require this breakdown of its participants.	Jul 13, 2011 5:09 AM
27	For us folks that are "time strapped" please keep the FPI as simple and easy to fill out as possible. KISS--Keep it simple sir...	Jul 13, 2011 3:51 AM
28	utility rate schedules	Jul 13, 2011 3:43 AM
29	Does the institution particiapte in special rate plans and or programs such as Demand Response.	Jul 12, 2011 3:44 PM
30	The more fine this gets, the less valuable it is for most schools. By far most do not sub-meter steam and neither do we, so I can't even answer the questions. Most baccalaureate schools need broad measures by campus type. Intensity of on campus residence, number and intensity of evening and weekend academic programs, and other factors should be included to be able to get at apples-apples. Measure things like BTUs aggregated, MTCDE, campus electric, campus natural gas/coal/oil. Relate these to GSF, Degree Days, student FTE, Faculty/staff FTE, credit hours, or...?	Jul 12, 2011 3:15 PM
31	Limit the number of space types to some general categories. Offices (academic or administrative), Classrooms (although pure classroom facilities are rare), laboratories, residence halls (including dining because they are seldom separate or sub-sub-metered.	Jul 12, 2011 2:42 PM
32	try to keep the time required short. Be sure the terms are spelled out in enough detail to be sure campus comparison numbers really mean something. Even such things as % campus fully air-conditioned and % summer occupancy of	Jul 12, 2011 2:09 PM

**Page 5, Q9. Please provide any comments or suggestions you have for the improvement of the Energy module in APPA's Facilities Performance Indicators survey and report.**

	residence halls (summer school and conference loads) are important in this regard.	
33	None	Jul 12, 2011 2:00 PM
34	We're just recently installed sub-meters at our major buildings, and they haven't been installed long enough for us to start digesting the data. Down the road, we also plan to sub meter our major building's water usage.	Jul 12, 2011 1:59 PM
35	Reporting energy by building will take significantly more time to respond to the survey, therefore more time needs to be provided to complete the FPI survey, or limit the reporting by building to only maybe 5 or 10 buildings and not all buildings	Jul 12, 2011 1:45 PM
36	currently do not have enough information to participate in the survey being considered.	Jul 12, 2011 1:40 PM
37	As a K-12 school division I do not have the same flexibility that a higher education organization may have with energy, but I would be interested in selected areas of campus energy use that relate to my environment.	Jul 12, 2011 1:37 PM
38	The express survey makes assumptions from totals that are not always correct. The questions are somewhat confusing. The results are not always realistic if contracted work is left out.	Jul 12, 2011 1:32 PM
39	None yet	Jul 12, 2011 1:24 PM
40	none	Jul 12, 2011 1:23 PM