SOLAR DECATHL	LON EVALUATION
FORMER-DECATHLETE	ONLINE (WEB) SURVEY
OMB Control No	Expiration Date:

INFORMATION IN A BOX IS FOR THE WEB PROGRAMMER.

Thank you for taking our survey. This data is being collected to help the U.S. Department of Energy evaluate the Solar Decathlon. The data you supply will be used for improving its value to future Decathletes.

Public reporting burden for this collection of information is estimated to average eleven minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Office of the Chief Information Officer, Records Management Division, IM-23, Paperwork Reduction Project (1910-XXXX), U.S. Department of Energy, 1000 Independence Ave SW, Washington, DC, 20585-1290, and to the Office of management and Budget (OMB), OIRA, Paperwork Reduction Project (1910-XXXXX), Washington, DC 20503.

Notwithstanding any other provision of the law, no person is required to respond to, nor shall any person be subject to a penalty for failure to comply with a collection of Information subject to the requirements of the Paperwork Reduction Act unless that collection of information displays a currently valid OMB control number.

The survey is voluntary. Your answers will be combined with the answers of others and will not be linked to your name.

Please click on CONTINUE to begin the survey.

SHOW A CONTINUE BUTTON TO BEGIN THE SURVEY.

UNLESS OTHERWISE INDICATED, AFTER EACH QUESTION, SHOW:

"PRESS 'CONTINUE' TO RECORD YOUR ANSWER AND CONTINUE TO THE NEXT QUESTION. TO RETURN TO A PREVIOUS QUESTION PRESS 'GO BACK'."

PROVIDE CONTINUE AND GO BACK BUTTONS AFTER EACH QUESTION.

1	We understand that you may have participated in your college's entry into one of the Department of Energy's Solar Decathlon competitions. These were held in Washington, D.C. in 2002, 2005, 2007, and 2009. However, your school may have begun work on its entry for up to two years before these competition dates. Did you participate at any time in your university or college's entry into one of the Department of Energy's Solar Decathlons?
	YesNoDon't recall
	IF Q1 = YES, CONTINUE. ALL OTHERS SHOW:
the U.	you. This survey is for students and former students who participated in one of S. Department of Energy's Solar Decathlons. Please click on EXIT to close this and return to your browser.
SH	OW AN EXIT BUTTON TO TERMINATE THE SURVEY. DO NOT ALLOW THE RESPONDENT TO CONTINUE OR GO BACK.

- In which of the following years' Solar Decathlons did you participate? If you participated in more than one, select as many as apply.
 - 0
 - □ 2005
 - 2007
 - 0
 - 0
 - Don't recall

IF Q2 = DON'T RECALL, CONTINUE. ALL OTHERS SKIP TO Q4

- Did you participate in the design or construction of a solar-powered home that was eventually displayed at the Solar Decathlon on the National Mall in Washington, D.C., or did you participate in something else that might have been like that?
 - Solar-powered home for display in Washington, D.C.
 - Something else
 - Don't know

IF Q3 = "SOLAR HOME FOR DISPLAY IN WASHINGTON, D.C.", CONTINUE. ALL OTHERS SHOW:

Thank you. This survey is for students and former students who participated in one of the U.S. Department of Energy's Solar Decathlons. Please click on EXIT to close this screen and return to the browser.

SHOW AN EXIT BUTTON TO TERMINATE THE SURVEY. DO NOT ALLOW THE RESPONDENT TO CONTINUE OR GO BACK.

FOR OPEN-ENDED RESPONSES TO "OTHER" QUESTIONS IN THIS SURVEY.
ALLOW 80 CHARACTERS. PROVIDE A COUNTER THAT SHOWS HOW MANY
CHARACTERS ARE LEFT AS THE RESPONDENT ENTERS HIS/HER RESPONSE.

What academic major or majors were you taking when you participated in your first Solar Decathlon? Select as many as apply.
 Architecture Computer design Ecology Electrical engineering Environmental engineering Lighting design Marketing or communications Materials engineering Mechanical engineering Physics Other → Other →
Had not declared a major / Don't recall
After you participated in your first Solar Decathlon did you select a major or change your original undergraduate major to one that can be used in producing, managing, using, or marketing renewable energy or energy efficiency? ☐ Yes ☐ No → SKIP TO THE INSTRUCTION BEFORE Q7

What academic major or majors did you select or change to after you participated

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in	e Solar Decathlon? Select as many as apply.						
	architecture						
	Computer design						
	Ecology						
	Electrical engineering						
	Environmental engineering						
	ighting design						
	Marketing or communications						
	Materials engineering						
	Mechanical engineering						
	Physics						
	Other →						
	Other →						

The following are some questions about the value of your Solar Decathlon experience. Please rate the value of your Solar Decathlon experience on a scale of 0 to 10 where 0 means your Solar Decathlon experience provided no value for you at all and 10 means your Solar Decathlon experience was extremely valuable.

Please rate how much more you learned about using solar energy and energy efficiency for homes from your Solar Decathlon experience than you would have learned just from taking your regular college courses.

The Solar

										1110 00100	
								Decathlon taught			
									1	me everything	
				My	/ Solar Decathl	on			that I learned in		
				e	xperience taug	ht			college about		
I learned not		me about twice as						using solar			
more than I			much as I would							energy and	
would have			have learned						er	nergy efficiency	
learned anyway				otherwise						in homes	
0	1	2	3	4	5	6	7	8	9	10	

8	Please rate how much your Solar Decathlon experience h	nelped you	get a job af	ter
	graduation?			

										My experi-	
										ence was	
My experi	-			My	y experien	ce				the main	
ence was r	าด	was equally as factor in									
help at all	in		helpful as other							getting a	No
getting a jo	b				factors					job	opinion
0	1	2	3	4	5	6	7	8	9	10	•

If you were in the market now to buy a house that generated most of its electricity and heat from solar energy, how confident do you feel in your ability to judge the quality of the house's energy system?

				H	lave a modera	te					
Not confident					degree of					Highly	No
at all		confidence								confident	opinion
0	1	2	3	4	5	6	7	8	9	10	
П	П	П	П	П	Π	П	П	П	П	П	П

- 10 Which of the following includes your highest level of education?
 - Currently in undergraduate college studies \rightarrow SKIP TO Q16
 - ☐ Completed some college or associate's degree and no longer in college

 → SKIP TO Q13
 - ☐ Completed college or university degree → SKIP TO Q13
 - Currently taking graduate courses
 - Completed some post graduate work or a graduate degree
- Did, or does, your graduate work include the study of how to use energy from the sun or wind to generate electricity or heat for a house?
 - Yes
 - No
- Did, or does, your graduate work include the study of how to make a house more energy efficient?
 - Yes
 - I No

13	Since leaving your undergraduate college studies, work involving the design, manufacture, sales, instability on renewable energy or energy-efficient p	allation, research, or use in
	☐ Yes ☐ No → SKIP TO Q16	
14	Please describe the work. Select as many as apply	y.
	Design, Manufacture, sales, or installation of—	
	 Solar systems Wind power systems Efficient appliances Efficient lighting Efficient cars, trucks, or rail vehicles 	
	Education or training related to—	
	The environment, including ecologyRenewable energy or energy efficiency	
	Government policy or operations related to the—	
	 Design, evaluation, or operation of energy efficient Use of energy efficient or renewable energy equal Setting or enforcing building codes or standards Research on energy efficiency or renewable en 	uipment S
	Building design and construction—	
	 Architectural design of energy-efficient buildings energy Mechanical design of energy-efficient buildings energy 	or buildings using renewable
	 Construction of energy-efficient buildings or buil energy 	ldings using renewable
	Other non-government professional—	
	Research on energy efficiency or renewable enConsulting regarding energy efficiency or renewable	
	□ Other →	
15	Have you ever started up a business related to this	s work?
	YesNo	

16	Since you participated in a Solar Decathlon, have you helped to convince anyone, including yourself, to install any type of renewable-energy equipment, such as solar panels, on a home or business?
	YesNoDon't know
	IF Q16 = YES, CONTINUE. ALL OTHERS SKIP TO Q21
17	What kind of renewable-energy equipment was installed? Select as many as apply
	 Solar panels to generate electricity Solar panels to heat hot water Solar panels for space heating Wind turbines to generate electricity Wind turbines to pump water
	□ Other → □
	Don't know
IF	MORE THAN ONE RESPONSE SELECTED FOR Q17, CONTINUE. IF Q17 = "DON'T KNOW," SKIP TO Q21. ALL OTHERS SKIP TO Q19.
18	Which of these installations would you say is likely to generate the most energy for its owner?
	 Solar panels to generate electricity Solar panels to heat hot water Solar panels for space heating Wind turbines to generate electricity Wind turbines to pump water Other →
19	Did you install the equipment you selected in the previous question on your own home or business?
	YesNo

Considering all of the possible things that might have led up to the decision to install IF Q17 HAS ONE RESPONSE, INSERT RESPONSE FROM Q17; ELSE INSERT RESPONSE FROM Q18, how important would you rate your Solar Decathlon experience to the influence you had on the decision? Please rate the importance of your Solar Decathlon experience to the decision on a scale of 0 to 10, where 0 means your experience was not at all important and 10 means you believe the equipment would not have been installed if you had not had the Solar Decathlon experience.

					My Solar						
				I	Decathlon					My Solar	
My Solar		experience Decathlon									
Decathlon		counted about experience									
experience		as much as was the									
had no		other primary No							No		
influence				i	influences	;				influence	opinion
0	1	2	3	4	5	6	7	8	9	10	-

AFTER Q20, SKIP TO Q24.

21	Since you participated in a Solar Decathlon have you visited any Internet sites
	that described the availability of utility or state incentives for solar-energy
	systems to generate electricity or heat for your home?

Yes

No

Don't recall

Since you participated in a Solar Decathlon, have you given any thought to the advantages and disadvantages of installing solar panels to generate electricity or heat water for your own house?

Yes

□ No

Live in an apartment

Don't have a permanent residence

IF Q22 = YES, CONTINUE, ALL OTHERS SKIP TO Q24.

23	Since you participated in a Solar Decathlon, have you asked a contractor to offer you a price for installing solar panels to generate electricity or to heat water for your house, or have you investigated a price on your own?
	YesNo
24	Since you participated in a Solar Decathlon, have you helped to convince anyone, including yourself, to install any type of energy-efficient equipment, such as an efficient appliance or lighting fixture, in a home or business?
	YesNo
	IF Q24 = YES, CONTINUE, ALL OTHERS SKIP TO Q29.
25	What kind of energy-efficient equipment was installed? Select as many as apply.
	 Compact fluorescent light bulbs Efficient appliances for residential, commercial, or industrial buildings Efficient industrial or commercial equipment, e.g., motors Efficient lighting fixtures for residential, commercial, or industrial buildings Efficient windows Insulation
	□ Other → □ Don't know
	MORE THAN ONE RESPONSE SELECTED FOR Q25, CONTINUE. IF Q25 = I'T KNOW," SKIP TO THE INSTRUCTION BEFORE Q29. ALL OTHERS SKIP TO Q27.
26	Which of these installations would you say is likely to save the most energy for its owner?
	 Compact fluorescent light bulbs Efficient appliances for residential, commercial, or industrial buildings Efficient industrial or commercial equipment, e.g., motors Efficient lighting fixtures for residential, commercial, or industrial buildings Efficient windows Insulation Other →

27	Did you install the equipment you selected in the previous question in your own nome or business?
	Yes No
28	Considering all of the possible things that might have led up to the decision to not all IF Q25 HAS ONE RESPONSE, INSERT RESPONSE FROM Q25; ELSE NSERT RESPONSE FROM Q26, how important would you rate your Solar Decathlon experience to the influence you had on the decision? Please rate the importance of your Solar Decathlon experience to the decision on a scale of 0 to .0, where 0 means your experience was not at all important and 10 means you believe the equipment would not have been installed if you had not had the Solar Decathlon experience.
	My Solar Decathlon My Solar Decathlon My Solar Decathlon
	indicate whether you believe the following statements are true or false. If you sure whether the statement is true or false, select "Not sure."
	MLY CHANGE THE ORDER OF QUESTIONS 29 – 36 FOR DIFFERENT INDENTS
29	Over the course of a year, a home called a "zero-energy" home will produce at east as much electricity as it uses. True False Not sure
30	f you install solar-electric panels on your house you might still need to buy electricity from your local utility.
	True False Not sure

31	A house that uses solar panels to reduce its energy costs will usually have a higher initial purchase price than the same home without solar panels.
	TrueFalseNot sure
32	Houses that use solar panels also require batteries.
	TrueFalseNot sure
33	Solar panels that collect energy from the sun can only be used to generate electricity.
	TrueFalseNot sure
34	In most of the northern hemisphere, a rooftop solar panel that faces due south will collect more energy than one facing due east.
	TrueFalseNot sure
35	A compact fluorescent light bulb uses one-quarter to one-third as much energias an incandescent bulb that produces the same amount of light.
	TrueFalseNot sure
36	A refrigerator that is labeled ENERGY STAR will use less electricity to cool aritem of food than a similar refrigerator that is not labeled ENERGY STAR.
	TrueFalseNot sure

The remaining questions will be used only to group answers from all of the surveys. Your answers will not be identified with you personally.

37	Do you own or rent your home?
	Own Rent Other
38	Before you participated in a Solar Decathlon, did you ever participate in any other activity that encouraged people to conserve energy or help the environment?
	YesNoDon't recall
39	Before you participated in a Solar Decathlon, did you ever write about energy conservation or the environment in a school paper, a blog, or a letter to the editor?
	YesNoDon't recall
40	Are you aware of an Internet site called the Database of State Incentives for Renewables and Efficiency where the availability state and utility incentives for solar energy and efficient equipment is listed?
	YesNoDon't know
41	Has anyone living in your household ever had any formal technical training or engineering education?
	YesNoNot applicable
42	Select the range that includes your age.
	 20 to 29 years 30 to 39 years 40 to 49 years 50 to 59 years 60 to 69 years 70 years or older

43	Please select the range that includes the combined income of all persons living in your household during the past 12 months.
	 Less than \$10,000 \$10,000 to \$29,999 \$30,000 to \$49,999 \$50,000 to \$59,999 \$60,000 to \$74,999 \$75,000 to \$99,999 \$100,000 to \$149,999 \$150,000 or more Don't know Declined
44	If you would like to provide any comments about the Solar Decathlon or your experience as a decathlete, please type them in the box below.
L	IMIT THE RESPONSE TO Q44 TO 800 CHARACTERS. PUT A CHARACTER COUNTER UNDER THE BOX SHOWING THE NUMBER LEFT.
	s all of our questions. Please click on SUBMIT to record your answers.
	HOW A SUBMIT BUTTON TO RECORD ANSWERS AND END THE SURVEY.