

# Green Expo Participant Survey – Final

1. Was the Green Expo 09 worth your time?			
		<i>answered question</i>	55
		<i>skipped question</i>	2
		<b>Response Percent</b>	<b>Response Count</b>
Yes		96.4%	53
No		3.6%	2

2. What about the Green Expo 09 did you talk about when you got home on Friday?			
		<i>answered question</i>	56
		<i>skipped question</i>	1
		<b>Response Count</b>	
			56
1.	Solar panels, permeable concrete, the resort in Alaska, how to make biodiesel, the great culinary students.		
2.	I enjoyed the concrete demos and learning about the 'green' building company.		
3.	Why isn't solar energy being used in schools to ease the energy bills of the district? I want solar panels on the roof of my wood shop to power the shop.		
4.	Integration of Green Themes at South Seattle Community College through student projects.		
5.	Randy Dorn's Keynote speech, more need to hear about CTE (mandatory ) in Classrooms Guest speaker, thinking outside the box Great exhibits		
6.	Bernie Karle		
7.	that was one of the best lunches I have ever eaten at an event and it was a learning experience on top of it.....wow..... I talked with a lot of people that were excited to take home information they acquired at this expo.		
8.	Ground heat pump and solar power		
9.	The electric cars & the great food.		
10.	The electric vehicle and the keynote speakers geothermal generator		
11.	How exciting this new technology is and how fast we are moving forward.		
12.	I liked the presentation by Randy Dorn. It was encouraging to hear some with his position talk about things that really matter to me as a person and a teacher. If we could get his message to parents and educational leaders then we could actually get something done as far as giving our students real post secondary opportunities that don't present college as the only option. I would have liked the Alaska geothermal guy to have his own room to talk about that project in greater depth. Lastly, the lunch was by far the best meal that I have ever had @ a conference. It was beautiful and incredibly yummy. Great job		
13.	The one and only Bernie Karl / Randy Dorn		
14.	biodiesel demo, concrete and cement masons area, solar display and talk, meeting with people in the trades		

## 2. What about the Green Expo 09 did you talk about when you got home on Friday?

15. Solar energy  
Great networking and cool projects/ programs going on at SSCC/Georgetown.
16. Geothermal heat pumps. Why aren't we implementing these district wide (budget, I know)? High capital costs, right? Do we think these colleges will be around in 20-30 years? Payback is around 10 years! There are private investors out there looking to leverage carbon credits as early adopters of carbon reductions. Let's find them and implement these systems ASAP! :-)
17. The fact that we need more people going into the industries that we saw at the expo.
18. The two keynote speakers, Randy Dorn and Bernie XXXXX. Especially Randy's open minded and energized take on education.
19. The opening presentation by Bernie Karl was fantastic. I could have listened to him for a lot longer. As an HVAC person, I was very interested in what they are doing with the low pressure chillers. Unreal.
20. Everything! All areas of green energy were interesting. The Tesla roadster and its unique battery pack was a great point of discussion.
21. Why were the speakers limited to such a short time, and no questions? The vendors were far and few between with plenty of time to see them. I wanted more info from the speakers.
22. Biodiesel and geothermal energy
23. Windmills - I was involved with these many years ago.
24. The wind generating possibilities for our home.
25. Bio Diesel, Electric cars, Geo Thermal, Superintendent Dorn's Talk
26. The talk by Bernie Karl and the products and vendors that were on display. I also enjoyed listening to Randy Dorn's ideas on education.
27. Bernie Karl/Chena Resort  
Exhibitors had very good displays and information.
28. Many aspects of the green movement were represented.  
Good food and weather.
29. The speaker from Alaska was inspiring.
30. How many opportunities there are and how little school have to offer students.
31. The awesome presentations of alternative energy. Chena Hot Springs and its example.  
Skill center for Seattle schools, Multi-Craft curriculum, the guy from Fairbanks was inspiring. the kids with their efficient stoves really looked good. They showed something that anyone could adopt for their own classroom. it could cover tech class, chemistry, social change and environmentalism.
32. #1 Was Randy Dorn's talk -- enlightening to hear the state's School Chief talk about the schools teaching to goals other than test scores.  
#2 The amount of 'sustainability' opportunity and activity already happening in Washington
33. How important apprenticeship programs are. To keep the kids in school who might otherwise drop-out. To bring on the next generation of skilled trades workers. To provide educational OPTIONS, such as work-study.
34. Photovoltaic
35. geothermal energy-I was fascinated by the speaker from Alaska.
36. I talked about the multi craft curriculum presentation, Bernie Karl's presentation and the lunch
37. Bernie Karl, Randy Dorn, Ground source heat pumps, permeable concrete, the lunch
38. Geothermal electricity. Electric powered vehicles.  
Chena Resort speaker - vacuum tube solar power  
Silicon Energy - local PV  
Tesla Motors - local guy with a car shows up: very cool  
The food!
39. Chena Hot Springs
40. Bernie Karl and his Geo Thermal Energy Plant. Silicon Energy and his Solar Array.
41. We are working on use of math applications in the class room so students can utilize practice application to their career goals.
42. the ground water heat generating system in Alaska
43. I liked the presentations on Building Trades, Rand Dorn's presentation and Green Manufacturing.
44. Apprenticeship curriculum, Chena Alaska, Manufacturing resources, Wild Horse Wind Curriculum

**2. What about the Green Expo 09 did you talk about when you got home on Friday?**

- 47. How I might have solar panels installed on our roof.  
How I might want to visit Alaska's Resort
- 48. that is was over!!
- 49. We built, composed a reference book for the students to use with new fibers, dry cleaning processes and newly developed fibers in a book, with swatches from manufacturers
- 50. Randy Dorn's speech technology natives and technology immigrants
- 51. the first speaker....what a hoot. enjoyed the other informative talks.
- 52. The opening speaker who has the geothermal powered place in Alaska.
- 53. 1. The Tesla Roadster.  
2. The small, wood-fired cookstoves.
- 54. Made a go contact with PSE for the rebate programs.
- 55. Bio Fuels, Bernie Karl, Randy Dorn
- 56. The Foods and the geo thermal green houses.

**3. What about the Green Expo 09 did you share with your colleagues on Monday?**

	<i>answered question</i>	<b>55</b>
	<i>skipped question</i>	<b>2</b>
		<b>Response Count</b>
		55

- 1. The ways to add technologies together to make a difference. How useable most of the technology was. How it would be both complicated and rewarding to add green lessons into the curriculum
- 2. The need for representatives from the facilities and financial departments to join the discussion on how to make each building greener (lighting, water, wind power etc...). I have no say in such matters.
- 3. Biodiesel is easy to make.
- 4. Same
- 5. Ways to incorporate ideas into existing curriculum
- 6. Bernie Karle
- 7. the focus was expanded better being specific. great content. excited about hearing suggestions for next year.
- 8. We had a meeting on how to use the technologies in our off grid classroom we ate trying to develop at Ferndale high school.
- 9. The tesla roadster and the EV conversions, geothermal generator, geothermal greenhouse, ice museum
- 10. How we need to include this information in our programs and class rooms.
- 11. That Randy Dorn seems to be a reasonable man that sees our students for what they are, not what he thinks they should be. That the Tesla car is amazing, but impractical, 200k for a little car that you'd be hard pressed to get a couple bags of groceries in is not going to revolutionize the auto world. That wind and geothermal power are possible. That SCCC culinary students must love what they are learning because it sure showed.
- 12. Liked what the industries are doing to green up their companies.
- 13. biodiesel demo, concrete and cement masons area, solar display and talk, meeting with people in the trades
- 14. NAM certificate and materials I gathered

### 3. What about the Green Expo 09 did you share with your colleagues on Monday?

15. Geothermal heat pumps. Why aren't we implementing these district wide (budget, I know)? High capital costs, right? Do we think these colleges will be around in 20-30 years? Payback is around 10 years! There are private investors out there looking to leverage carbon credits as early adopters of carbon reductions. Let's find them and implement these systems ASAP! :-)
16. I felt I had more examples of jobs in the industry that I could share with students as possible career opportunities.
17. We talked about the porous cement, the biodiesel lawnmower and electric alternatives.
18. The Geothermal - Bernie Karl presentation. And some literature. We then Googled his website and had a nice discussion about how it works etc.
19. Again, I shared everything I heard and experienced. The morning geothermal presentation was quite memorable.
20. Dorn's new outlook.
21. Biodiesel and sustainable food practice
22. All of the alternate energy forms and what's new and happening out in the public sector. Worked into a lesson with my students about what happening with the automotive part of alternate energy.
23. The possibility of taking my students on a field trip to the wind farm guy of Ellensburg. And the humor of the speaker from Alaska.
24. Same
25. Bernie Karl and products
26. Bernie Karl/Chena Resort
27. As an exhibitor, I felt that there was good attendance with a high level of interest.
28. The green technology already available for automobiles.
29. Same
30. Everything I could remember. It was awesome.
31. I don't have colleagues in my field
32. The 'missing link' between [the available information and resources] and [the general population's awareness]  
  
How important apprenticeship programs are. To keep the kids in school who might otherwise drop-out. To bring on the next generation of skilled trades workers. To provide educational OPTIONS, such as work-study. Will speak to the GSBA (the LGBT Business Chamber) about bringing in more students to benefit from our Scholarship Program.
34. Skills center presentation
35. The lack of applied math instruction in the high schools.
36. I shared what I learned in all the different sessions/presentations that I attended
37. ground Source heat pumps, electric vehicle parts (EVParts.com)
38. Geothermal electricity. Electric powered vehicles. State commitment to vocational education. Pervious concrete.
39. Zero  
  
The expo seemed well organized and attended. It was like a fun field trip than business as usual, which is usually the case with many of these topics.
40. Discussed Bernie from Chena Hot Springs. Some of his statements, bluntness, etc.  
  
Lunch was fantastic
41. Mostly the above... and the excellent presentation and food from the culinary program.
42. Use of the geothermal lab activities for school use.
43. the ground water heat generating system in Alaska
44. I liked the presentations on Building Trades, Rand Dorn's presentation and Green Manufacturing.
45. Apprenticeship curriculum, how to put the manufacturing resources in our programs of study.
46. same as above and Randy Dorn's endorsement of CTE
47. that is was over!!!!
48. many already attended

**3. What about the Green Expo 09 did you share with your colleagues on Monday?**

- 49. Resources available through individuals doing displays
- 50. the amazing opportunities to learn a trade. The variety of apprenticeships available.
- 51. Biodiesel making recipe from Biolye.
- 52. NA
- 53. the exciting programs that are already in place in other colleges
- 54. Bernie Karl, Bio Fuels
- 55. the food and solar panels

**4. What was missing that you expected or think would have rounded out the program?**

	<i>answered question</i>	<b>51</b>
	<i>skipped question</i>	<b>6</b>
		<b>Response Count</b>
		<b>51</b>

- 1. I thought/hoped I would learn more of what I can do on an individual basis. Most 'green' efforts seemed to be on a large scale. I hoped to find projects linked to solar, wind or other 'green' energies that I could bring directly into the classroom.  
  
I maybe missed this somewhere in the programs but:
- 2. What do I do with waste wood in my wood shop? So many small pieces of wood are just tossed into a bin and thrown out. What are other shop programs or even construction sites doing with their waste wood products now?
- 3. It was a very good program
- 4. More info. on Multi-Craft Core Curriculum ,When would it be available to all and Costs for materials
- 5. resource information,
- 6. I'll have to think about it.....bmg
- 7. cost or Return on investment information.
- 8. What schools are currently doing with alternative energy.
- 9. more environment sustainability oceans, rivers, forest, wet lands and farm land
- 10. More break out sessions providing an opportunity for a one on one setting.
- 11. More green building material suppliers. I teach woodshop and want to stay abreast of what's new and exciting.
- 12. Lots of time for vendors. needed more.
- 13. specifics on the training that the apprentices in the energy auditing program receive
- 14. More exhibits
- 15. Composting of the great food at the event. Reusable dishes would be superior to the compostable plates and forks. Thanks for the hot food though!
- 16. The program was great.
- 17. I thought there would have been more information on water conservation.
- 18. I guess I expected a bit more coverage of hydrogen power and where it is expected to be within 5-20 years from now.
- 19. cellulose ethanol, wsu, UW, algae producers, Greg Shoebacher--farmer recycler for 5 major counties at this time.

#### 4. What was missing that you expected or think would have rounded out the program?

20. More recycling items topic that is close to everyday life
21. Info to bring back to my students, also more exhibitors were needed. Can not believe these are the only companies in this area during this kinds of projects and/or building these kind of projects.
22. Biomass usage, how can we use to teach in the classroom
23. This was my first time at an event like this, so for me there was nothing missing.
24. 1) More/better best-practices of how "Green" education is being implemented in K-12 and higher education - particularly related to implementation of STEM skills.  
2) Some form of demonstrated leadership/importance for Green education from OSPI. Supt. Dorn totally misread the audience and equated Green with CTE and blue-collar jobs. Did not articulate a single initiative to help move things forward.
25. Maybe lengthen the time that exhibitors has to make their presentations to 20+ minutes.
26. Would like to have seen more exhibits from colleges or high schools who are completing Green Technology projects.
27. Nothing
28. High School age kids to see the show.
29. Small thing but the Painter's union could have shown environmentally friendly advances in their industry.
30. The presence of companies/entities that were actively recruiting for 'green' jobs.
31. More employers. Did not hear any feedback from any of the Educators there.
32. Nothing
33. Where were the high school teachers and students?
34. I think that the key note speakers could have been given more time. The scheduling of the presentations overlapped the workshops too much and it was hard to see everything.
35. 1st time there. not sure what was missing.
36. Life cycle cost analysis. Current status of major vehicle manufacturer alternative energy programs. More info about jobs in residential energy conservation. Sustainable landscape practices and design information.
37. Recycling exhibits would be good.
38. Not sure?
39. When Bernie Karl had the audience so engaged, he should not have been cut short. There was really nothing that pressing for the time slot that made sticking to the schedule so tightly necessary. When I did leave to go to other exhibits, they were pretty relaxed on start & stop times anyway. I really missed the design & engineering part we enjoyed last year with different architects. I missed the strong Biomass information and message consortium from Boeing and others. No mention of progress with Algae being part of that picture when it is likely the future of that industry. Nothing presented concerning waste water recycling either which once again is huge. There was a lot of focus on apprenticeship programs that are not very real for our area. We do not have a strong union influence down in the Olympia area for the trades, like there is in the Seattle area. We are kind of in the same boat as Bellingham.
40. More exhibits for career direction ideas.
41. more solar products. New car EV and Hybrid products that will be coming in the future.
42. n/a
43. Let Bernie Karl talk longer to start - he was cut off
44. move volunteers
45. Something about fabric, from pesticide, mosquito or sun protection, dry cleaning resources or natural dying processes. Utilizing shredded fabric for insulation/
46. More hands on displays
47. More specific lesson ideas.
48. I would have liked to hear about specific ways that green technology could be incorporated into our programs.
49. It was much smaller than expected and had less exhibitors than the year before.
50. Longer time for Bernie Karl and Randy Dorn.
51. nothing

5. Any comments about the non-content parts of the event - good or bad (e.g. registration, signage, facilities)?

	<i>answered question</i>	52
	<i>skipped question</i>	5
	<b>Response Count</b>	52

1. Registration was easy. Parking was a bit tight. Lunch was incredible.
2. all good.
3. The facilities were great.
4. Great
5. EXCELLENT FOOD
6. Registration went well. despite fewer staff stationed around to direct people everyone seemed to locate the scheduled events
7. Amazing location, food, professionals.  
Thanks to all who put there time into this activity.  
Tony Torretta
8. A large green Expo banner 2010
9. This was all very good
10. S'all good
11. South Seattle always has wonderful programs such as the culinary Arts program (outstanding)
12. Good food for lunch, facilities good.
13. They did an excellent job
14. Signage was a little challenging when trying to find the registration
15. Seemed very smooth
16. The food was great! Though I think people usually use lunch to chat about what they have experienced or to do some networking. Unfortunately, a lot of lunch was taken up by the explanation of what we were eating. Although this was interesting and valuable, it may have been better to set up a display with explanations the lunch.
17. The logistics were top drawer. And a great lunch!
18. Registration and sign-in the day of the expo were easy. I will say that signage was poor. Facilities were very good.
19. food was great!!!!
20. It was all good
21. Everything OK with me.
22. Good overall
23. Good venue
24. Good facilities/location. Organic lunch was fantastic!
25. All went smoothly.
26. Sound, lighting...hard to hear and see. Lapel mics would have helped.
27. All was terrific.
28. The talk by the head of SSCC food service was great but then you walk out in the hall and there is no recycling going on for the waste from lunch.

**5. Any comments about the non-content parts of the event - good or bad (e.g. registration, signage, facilities)?**

29. Overall it worked -- the booths/displays were easy to find and provided an opportunity to look at the campus and what's happening at South Seattle CC. However, it seemed to be very oriented toward the educational community, whereas the title of the event "Green Industrial and Career Expo" would lead one to think it might be otherwise.
30. It was not a big event, and did not like feeling like I had to choose between events. Or miss a speaker, etc.
31. Well done
32. The barbecue was appreciated.
33. Signage into the parking lot could have been better. Everything else was great
34. nothing
35. Lunch was fantastic. Directional signage was amateurish and not that helpful. Facilities were excellent.
36. All well-done and well-planned.
37. Think about moving the event to a bi-annual event. Not because it isn't successful and beneficial, but the frequency might be a lot for the planners and coordinators.
38. no
39. We should have allowed the geothermal speaker to speak through his whole presentation. He really made you think about what we should teach and where we are going.
40. all good
41. Registration, directions and signage were all fine.
42. Good! Just offer Decaf. Let us know where you will be putting resources (which website). We would like to have access to the PowerPoint's shared and links to any resources.
43. too many signs
44. good
45. none
46. I thought everything went great.....easy registration, helpful people, a delight.
47. It was difficult to find the place for an out-of-towner. The lunch was amazing!
48. Organization, venue, food all top level.
49. Lunch with the culinary students was nice.
50. all good
51. Only one good breakout session Need longer time in sessions
52. liked the location

**6. What would make the event worthwhile in order to entice you to come back next year?**

	<i>answered question</i>	52
	<i>skipped question</i>	5
	<b>Response Count</b>	
		52

## 6. What would make the event worthwhile in order to entice you to come back next year?

1. Keep the content at the level of this year and you will be fine.
2. more material demos. smaller examples of individual contributions to a greener world.  
Keep serving that great food!
3. I would love to hear about construction and manufacturing companies that are trying to go zero waste.
4. Keep it rolling!
5. Randy Dorn Announcing CTE as Mandatory program in Middle and High schools across the state
6. more resources Grant information
7. some additional large sponsors that are excited about participating in every aspect....subject matter, funding and where the shoe hits the street.....
8. Industry visits.
9. Speaker DR. Andy franks-CTO of Efficient Drivetrains incorporated Professor of mechanical and aeronautical Engineering, UC Davis
10. This is very worthwhile the way it is.
11. See above comments, especially the lunch ones
12. More representation from the trades
13. Completely different topics and lots of demos of building materials and green building techniques in use.
14. Bigger event, more workshops
15. Biochar was great but looked like they weren't promoted. I have heard of that before and the campus is leading local research efforts. You should celebrate their agricultural testing as an emerging technology!
16. I'll definitely come back again.
17. Expand it a little. More options, maybe two in each time block. I found myself a little bored during a couple short blocks of the day.
18. Nothing. Just a little long range notice.
19. Have the same general format with a bit more emphasis on hydrogen power. I'm also interested in more detail behind developments in solar cell and battery technology.
20. more biology chemistry
21. Green farming practice, composting, garbage recycling technology
22. More participation from more companies involved with alternate energy. Also, maybe more school exhibits and projects.
23. A little more wind, small scale to use in the classroom
24. Just having the event again.
25. More best-practices from business and education that are leading-edge. Most exhibits and sessions were dated information.
26. Since this year was a good experience, I would definitely come back to see what is new.
27. More of the same. Great job!
28. Make it known students are welcome.
29. Find some internship opportunities for high school kids in green trades.
30. Just have it! See #4 & #5 above -- but even if the format remained the same, I would want to come.
31. Not sure
32. More curriculum connections
33. more exhibits
34. A new batch of presenters.
35. more demos that are applicable to preparing students for employment
36. At least an hour of Bernie Karl.  
More local examples of sustainable business and practices.

**6. What would make the event worthwhile in order to entice you to come back next year?**

- 37. Good speakers this time, keep that up.
- 38. An expanded presentation with latest updates from Bernie with Chena Hot Springs.
- 39. It's got to be bigger and better. It was reduced down too much this year and made me question the value of driving clear up to Seattle to participate.
- 40. Continue to serve the excellent lunch. Wow that was by far the best lunch I have had.
- 41. more of the same.
- 42. Yes
- 43. Just keep all abreast of the newest/latest in green...
- 44. more \$\$ raised
- 45. more of what I suggested above
- 46. Include students, include more building green for construction (demonstrations and hands on)
- 47. more demonstrations.
- 48. More lesson/lab ideas or actual worksheets provided because I will forget everything by the end of this week!
- 49. I would need to see an expanded selection of presenters. I would gladly return if I was assured that the expo was not a repeat.
- 50. I think that I'll skip next year.
- 51. Longer session.
- 52. it was great the way it was

**7. Would you like to be kept in the loop as we plan the 2010 event?**

		<i>answered question</i>	<b>57</b>
		<i>skipped question</i>	<b>0</b>
		<b>Response Percent</b>	<b>Response Count</b>
<b>Yes</b>		<b>78.9%</b>	<b>45</b>
<b>No</b>		<b>21.1%</b>	<b>12</b>