

Vermont Professional Engineers With Under 6 Years of Experience

Continuing Professional Development for VT Licensed Professional Engineers Survey










1. Do you believe that continuing education should be required to maintain licensure in Vermont?

		Response Percent	Response Count
Yes		65.7%	255
No		34.3%	133
	Comment (optional)		57
	answered question		388
	skipped question		0



2. Do you believe that continuing education will add credibility & value to the engineering profession in Vermont?

		Response Percent	Response Count
Yes		64.9%	252
No		35.1%	136
	Comment (optional)		36
	answered question		388
	skipped question		0




3. In how many states do you hold a Professional Engineering License?

		Response Percent	Response Count
1		12.1%	47
2		8.2%	32
3		6.4%	25
4		9.0%	35
5		5.2%	20
6-10		20.4%	79
>10		38.7%	150
answered question			388
skipped question			0









4. How many years have you been a licensed PE in Vermont?

		Response Percent	Response Count
<1		13.1%	51
1-5		86.9%	337
6-10		0.0%	0
11-15		0.0%	0
16-20		0.0%	0
>20		0.0%	0
answered question			388
skipped question			0

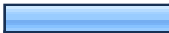





5. Is the engineering firm that you work for located in Vermont?

		Response Percent	Response Count
Yes		15.5%	60
No		79.4%	308
Not Applicable		5.2%	20
answered question			388
skipped question			0

6. Approximately how many staff comprise the engineering firm that you work for?

		Response Percent	Response Count
1-5		23.2%	90
6-10		10.3%	40
11-20		13.7%	53
21-40		11.9%	46
41-60		5.9%	23
61-100		7.7%	30
101-200		7.5%	29
>200		19.8%	77
answered question			388
skipped question			0

7. Approximately what percentage of your workload is actively performed for projects located in the State of Vermont?

		Response Percent	Response Count
0		24.5%	95
1-20		60.8%	236
21-40		3.4%	13
41-60		2.1%	8
61-80		2.3%	9
81-100		7.0%	27
answered question			388
skipped question			0

8. Currently, the Vermont Professional Engineering License renewal fee is \$80 every two years. Would you support the following bi-annual fee increase to cover the administrative costs that may be required to manage a continuing professional development program?

	Yes	No	Response Count
\$20	64.1% (229)	35.9% (128)	357
\$40	26.9% (85)	73.1% (231)	316
>\$40	6.4% (20)	93.6% (291)	311
answered question			388
skipped question			0

9. How will the cost of obtaining 12 professional development hours (PDHs) impact you or your firm on an annual basis?

		Response Percent	Response Count
No impact		32.0%	124
Negligible impact		42.8%	166
Moderate impact		21.6%	84
Severe impact		3.6%	14
answered question			388
skipped question			0

10. Do you think “in-house” technical sessions should qualify as an acceptable PDH?

		Response Percent	Response Count
Yes		80.4%	312
No		19.6%	76
answered question			388
skipped question			0

11. Do you have any other comments?

	Response Count
	106
answered question	106
skipped question	282

Q1. Do you believe that continuing education should be required to maintain licensure in Vermont?

19	ConEd encourages engineers to update & expand their code & industry knowledge, but only encouragement. Most of the public is unaware of these requirements & those that are may be given a false sense of security. A few hours of classes each year does not make engineers experts on thousands of pages of code.	May 8, 2012 4:18 PM
20	The continuing education programs in all the states with which I am involved are a farce. The required courses are a joke. The whole program is designed to profit the course sales groups who kick-back money to politicians.	May 8, 2012 4:12 PM
21	This is a requirement in other states where I have a PE. It is not of much value for a practicing engineer. Maybe of value if you are not practicing on a regular basis.	May 8, 2012 3:58 PM
22	The continuing education process appears to be a financial opportunity for various PDH distributors. If an engineer is actively practicing, I believe sufficient CEUs are obtained.	May 8, 2012 3:21 PM
23	I go to events to learn about topics in my field, not just for the PDHs I receive. So whether or not they are required doesn't change whether or not I attend events.	May 8, 2012 2:55 PM
24	Keeping current with the latest codes and technologies is an everyday requirement of the industry. One's work demonstrates if they are following this practice.	May 8, 2012 2:31 PM
25	As a professional it is my responsibility to continually educate myself. I believe this is a way for states to acheive more income, by "certifying" specific providers.	May 8, 2012 2:23 PM
26	Just because "everybody else does", that does not justify you to do likewise.	May 6, 2012 1:13 PM
27	as long as it is somewhat region specific as opposed to strictly VT specific	Apr 24, 2012 12:19 PM
28	CE courses are usually not relevant to each engineer's specific field of work.	Apr 21, 2012 1:47 AM
29	Do not force to use certain providers.	Apr 18, 2012 12:23 AM
30	Between 6 + 10 would be a good number.	Apr 18, 2012 12:15 AM
31	I believe in continuing education, but it should be at the discretion of the engineer.	Apr 18, 2012 12:11 AM
32	I believe that a person should continue to grow and learn as an engineer and the PDHs allow for a person to see what is transpiring in the area of the individuals professional expertise. However, I know other licensed professionals (medical, engineering, architecture, etc.) that have PDH credit requirements and how some of the PDH requirements are met is questionable. I think it is an individual responsibility to attain knowledge and continued learning to help protect and preserve the values to hold life and public safety paramount.	Apr 17, 2012 12:50 PM
33	I believe that a person should continue to grow and learn as an engineer and the PDHs allow for a person to see what is transpiring in the area of the individuals professional expertise. However, I know other licensed professionals (medical, engineering, architecture, etc.) that have PDH credit requirements and how some of the PDH requirements are met is questionable. I think it is an individual	Apr 17, 2012 12:50 PM

Q1. Do you believe that continuing education should be required to maintain licensure in Vermont?

responsibility to attain knowledge and continued learning to help protect and preserve the values to hold life and public safety paramount.

34	As a profession engineer maintaining your license, an individual should feel compelled by the ethics of our profession to ensure that they are continuing to update themselves and "stay current" within the field of engineering. Another requirement is just a burden and additional expense on top of already busy schedules and overburdened budgets. I would recommend that if a continuing education requirement is adopted that Vermont, like several other states who require continuing education, also implement an active duty military member waiver for PEs who maintain a license in the state of Vermont but are serving in the Active Duty military.	Apr 16, 2012 10:15 AM
35	Do not believe that mandating a requirement is the right solution. If you mandate, then you must pick a quantity to be achieved, but how can you guarantee that for a particular branch of engineering that enough seminars in their field of expertise will be made available in their area to meet the requirement? For example there seem to be many seminars for Mechanical and Electrical engineers, but fewer for Civil and fewer still for structural. Some individuals may find themselves selecting seminars just to fill PDH requirements, but are of no interest or relevance to their practice and cause unwanted expense. Personally, I attend seminars relative to my field as necessary to keep up with industry changes.	Apr 11, 2012 4:29 PM
36	I would assume most VT PEs also carry a license in a state that requires continuing ed.	Apr 10, 2012 3:56 PM
37	Most of us are working in our career field and learning new things every day. Continuing education is a huge cost.	Apr 10, 2012 3:34 PM
38	The large states make us do it. VT can "ride" on their admin for engineers with multiple licenses.	Apr 10, 2012 3:08 PM
39	Well worth the effort. The CE hours typically is easy to accomplish.	Apr 9, 2012 9:11 AM
40	Nearly all of the professional development classes I have taken or seen offered have been of little educational or professional value.	Apr 6, 2012 3:51 PM
41	Any good engineer will maintain his or her education w/o a requirement. A min. PDH limit does not improve the rest.	Apr 6, 2012 3:09 PM
42	I have to get PDHs in most states. I am busy, but manage to do it. I think it is of limited value.	Apr 6, 2012 2:32 PM
43	CEUs are mainly a money making business for those who give the classes. Engineers who take a quick online exam/course are not better engineers than those who are doing actual engineering work 40+ hours a week.	Apr 6, 2012 12:12 PM
44	It should not require more than other states, allowing CE used for other states to be used for VT.	Apr 6, 2012 12:06 PM
45	It should be coordinated such that it's timing is concurrent w/ other states.	Apr 6, 2012 11:57 AM
46	Experience & on-the-job training is most beneficial. Continuing education such	Apr 6, 2012 11:53 AM

Q1. Do you believe that continuing education should be required to maintain licensure in Vermont?

as attending conferences & seminars are valuable but shouldn't be required.

47	I feel that continuing education credits drive up the cost for attending seminars and courses. Organizations holding these events take advantage of the continuing education credits and charge higher fees because they know it is a requirement and PEs have no other choice.	Apr 5, 2012 1:03 PM
48	Yes, I do believe that Continuing Ed should be required. But for out of State Licensees who are already required under their States requirements; those same continuing ed credits should count for Vermont. Some States have exclusions that state if you are already under a State with continuing ed then you would be exempt.	Apr 5, 2012 12:09 PM
49	Your letter says only 15 states do not have continuing education requirements. I am registered in 6 states and only 2 of them have continuing education requirements. In my case, any continuing education I acquire can be used in both of them and VT as well if it becomes required, so it really does not affect me.	Apr 4, 2012 10:03 PM
50	Engineers maintain and enhance their knowledge/skills primarily through a variety of informal methods: learning from other engineers, working on problems/issues, reading from a variety of sources (including off the internet), preparing to give presentations or teach courses, attending conferences, etc. Making continuing education a requirement to maintaining licensure would be an additional bureaucratic burden without meaningful added value. Most of what we learn comes through sources other than traditional education courses. Continuing learning is something all practicing engineers do, but let us do it in our own way using whatever formal (AND INFORMAL) means we deem appropriate.	Apr 3, 2012 4:28 PM
51	Your professional judgement and quality of work should determine your ability to conduct business.	Apr 3, 2012 8:22 AM
52	There are already enough constraints on an engineer's time. Anyone who has advanced through the rigors of a university engineering education already has the motivation for continued selfstudy of readily available technical literature. The licensing bureau cannot legislate a bad engineer into a good engineer. This whole issue of required CPD by state's is nothing more than lawyer / legislature initiated revenue production. Let the lawyers legislate their own profession first.	Apr 2, 2012 5:40 PM
53	I currently have a VT license by comity from another state. I live in a rural area. Getting access to useful technical courses that qualify for PDH's while living in a rural location is difficult. Many of the online options are either trivial or quite expensive per credit hour.	Apr 2, 2012 10:19 AM
54	Does not add much value to the profession	Mar 30, 2012 2:06 PM
55	This ensures that PE's remain current on new techniques and technology, best practices etc. Very often, PDH's can be developed through participation in technical conferences - which is where new techniques and technology is presented. By mandating a minimal number of hours, you encourage your PE's to remain in touch with their profession and technology.	Mar 29, 2012 3:18 PM

Q1. Do you believe that continuing education should be required to maintain licensure in Vermont?

- | | | |
|----|--|-----------------------|
| 56 | <p>I am a proponent of continuing education requirements. However, the process for CEU validation most states use require specific documentation certificates and will not accept others such as in-house seminars, vendor seminars and in house presentations. Virtually all engineers I work with more than satisfy the standard 15 PDH per year required by most CEU programs by ongoing involvement (outside of project work) with vendors, other engineers, technical presentations, self study, etc. I have been audited by two states for CEU compliance. Both of the states did not recognize several technical presentations I delivered in our office and to Architects even though I had supporting presentation available. These types of presentations require much effort and background study and in my opinion are far more effective than an on-line course wherre you can get an "accredited" CEU certificate. Unfortunattely, the most effective way to "prove" CEU's for the state licensing programs is to take an on-line course and submit the documentation. Some of the "accredited" courses have worthwhile material, but for the most part it becomes just a process to get a certificate and takes time away from more useful CEU activites. It is frustrating to deal with adminstrators/auditors of a program who require a specific CEU certificate instead of being able to recognize common sense equivalant CEU activites.</p> | Mar 29, 2012 3:04 PM |
| 57 | <p>I am required to do this in other states. The courses are very simple and uninformative. This requirement simply takes time and money and adds nothing to an engineer's ability to perform the work usually put before him. If an engineer need knowledge he or she can find the course at that time. Most of us would do that, or seek out a colleague who can help.</p> | Mar 28, 2012 10:56 AM |

Q2. Do you believe that continuing education will add credibility & value to the engineering profession in Vermont?

1	No! When assessed for value most CE don't have depth/applicability. they're just done to get PDHs. Yes, also since the general population are ignorant of the eng. profession.	Jul 17, 2012 8:31 PM
2	Engineers should be up to date anyway	Jul 17, 2012 8:18 PM
3	Add value - not necessarily credibility	Jul 17, 2012 6:59 PM
4	While licensed in other states obtaining credits becomes more of an exercise vs. actually learning. Engineers are just trying to conform to the mandate typically.	Jul 17, 2012 6:38 PM
5	No necessarily.	Jun 1, 2012 7:41 AM
6	The individual should be able to maintain their own continuing ed, at their own pace.	May 31, 2012 7:32 PM
7	At first it sounds like it would, but based on my experience with continuing education in other states, I believe it does not add any credibility or value. The acceptable courses or seminars are so elementary that we learn little to nothing.	May 17, 2012 6:13 PM
8	Most engineers that have credibility gain PDHs without this type of requirement. One who does not can gain PDHs that will not enhance credibility and value.	May 17, 2012 3:59 PM
9	Value - Yes. Credibility - No. As a general rule, the public is not aware of these requirements or what engineers really do. Better public awareness is required.	May 17, 2012 3:06 PM
10	It is very possible, but not guaranteed for all situations	May 17, 2012 2:42 PM
11	Potentially, but only in a minor way...people thinking that states should have it but not asking 'how is this helping?'	May 9, 2012 11:38 AM
12	Yes & no. Credibility only for non engineers. No engineering value.	May 9, 2012 11:25 AM
13	A P.E. is req'd to be competent already.	May 9, 2012 10:31 AM
14	If improving the engineering profession is the real objective, the engineering society should identify true professional improvement courses as needed and provide such courses on a non-profit basis.	May 8, 2012 4:12 PM
15	Just to be the same as everybody else.	May 8, 2012 3:58 PM
16	See above	May 8, 2012 3:21 PM
17	Same as above.	May 8, 2012 2:55 PM
18	No one but us PEs cares about this issue.	May 6, 2012 1:13 PM
19	There are a ton of ways to get worthless credit hours with no effort. I can get 15 credit hours in less than 1 hour in a useless subject.	Apr 21, 2012 1:47 AM
20	More often than not the people who do not see the value in PE licensure do not understand how difficult it already is to become licensed. Requiring PDHs will not change this.	Apr 18, 2012 12:18 AM

Q2. Do you believe that continuing education will add credibility & value to the engineering profession in Vermont?

21	I believe the general public does not have any knowledge base to assess whether an engineer is credible or not. Let alone other professionals.	Apr 17, 2012 12:50 PM
22	I believe the general public does not have any knowledge base to assess whether an engineer is credible or not. Let alone other professionals.	Apr 17, 2012 12:50 PM
23	I believe the license of being a PE stands on it's own as a source of credibility & value. Again, a true professional is going to ensure they maintain their knowledge base and stay up to date with the technology and changing aspects of the engineering field. Obviously, continuing education has a value and should be available to profession engineers and even encouraged but requiring a minimum standard of "Credits" is going to result in a false sense of credibility. Just because I listen to a few PDH earning lectures or complete some CE credits online does not necessarily mean I am a better Engineer if my motivation is solely to meet the minimum requirement.	Apr 16, 2012 10:15 AM
24	When they think about it at all the public assumes that cont. prof. development is already required.	Apr 10, 2012 2:03 PM
25	Any responsible engineer will spend time staying current in their profession out of necessity to remain competitive. Moreover, with code requirements constantly changing and new technologies being introduced all the time, any good engineer needs to take action to remain competent. We don't need the state mandating it.	Apr 6, 2012 3:51 PM
26	It will if the accepted CEU activities are real learning experiences as opposed to just online self study.	Apr 6, 2012 3:03 PM
27	If you look at the courses that qualify for CEUs, you realize that the requirement is not to help the engineer. To be a PE you need to be highly qualified to begin with.	Apr 6, 2012 12:12 PM
28	The public is unaware of continuing education requirements and will not feel better about a PE because of it. Do Doctors or Lawyers have continuing education requirements for their licensing? I don't know, do you?	Apr 4, 2012 10:03 PM
29	Most people recognize that formal continuing education is only a small fraction of what engineers need to know and learn over time. Would someone think, "oh, this person took two days of classes last year; he must be qualified"? Nobody would think that. Would someone think, "this person did not take two days of classes; he must not be qualified"? Nobody would think that either. The absence or presence of taking continuing education courses is not a useful measure of whether someone is qualified to do engineering work capably or not.	Apr 3, 2012 4:28 PM
30	Most of the seminars that provide contact hours for other states are not challenging as a professional. I obtain more information through reading.	Apr 3, 2012 8:22 AM
31	I am assuming you mean legislated CPD. Requiring 12 hours of PDHs cannot possibly add credibility or value to to a profession that stands by a code of ethics that demands self analysis with regard to being fit to practice in a specific field or subject matter.	Apr 2, 2012 5:40 PM
32	It unfortunately tends to force relatively inactive engineers from keeping their	Apr 2, 2012 10:19 AM

Q2. Do you believe that continuing education will add credibility & value to the engineering profession in Vermont?

licenses current

- | | | |
|----|--|-----------------------|
| 33 | There are many things about the engineering profession that detract from its credibility (# of times exam can be taken, minimal requirements to sit for exam, etc.) requiring continuing education barely scratches the surface. As most continuing education classes are structured to provide the credit with as little effort as possible, the majority of these classes are a joke at best. The entire profession needs attention and starting with continuing education is the least of the issues in my opinion. Given the reasons above I don't want to waste my time with running through the motions, or pay additional money for my trouble. | Apr 2, 2012 8:07 AM |
| 34 | Everyone assumes that engineers make it their job to keep up with the industry! | Mar 29, 2012 3:18 PM |
| 35 | See above comments | Mar 29, 2012 3:04 PM |
| 36 | No. The courses are trivial. Anyone who really knows what the courses are like would take no comfort in knowing that engineers waste their time fulfilling a requirement to take them. | Mar 28, 2012 10:56 AM |

Q11. Do you have any other comments?

1	Open all learning as acceptable. ASME GDT cert doesn't qualify for PDHs. Neither does Microsoft's Excel or Word cert. But "Engineering Math" is 3 PDHs. Engineer's math skills are established in school, plus computers. A GDT or Microsoft certification is more valuable and useful (for example) and don't apply. This is why PDHs as currently implemented is ludicrous. Do the math!!	Jul 17, 2012 8:31 PM
2	An engineer's job is to stay current while maintaining professional licensure. Keeping up with changes is a must. Most of the classes that are offered by "accredited" CEU vendors are a joke, expensive, and not taught by a licensed professional. What about teachers? They remain current,	Jul 17, 2012 8:18 PM
3	I am already required to take continuing ed for other states I am licensed in so this would not impact me other than increased renewal fees.	Jul 17, 2012 8:15 PM
4	NY state cont ed is geared toward civil/env with only courses approved by them. AICHE seminars are not allowed considering AICHE is the Chem E organization - that is ridiculous. A PE is ethically bound - rely on that premise in accepting courses	Jul 17, 2012 8:03 PM
5	There should be consideration with neighboring states on number and type of acceptable credits	Jul 17, 2012 7:29 PM
6	Personal responsibility	Jul 17, 2012 7:21 PM
7	I maintain licensure for professional status, not as a requirement of my job. I have never stamped a print	Jul 17, 2012 7:14 PM
8	I believe strongly that continuing education should be a part of maintaining any professional certification.	Jul 17, 2012 6:57 PM
9	In-house sessions is the real learning. Many PDH courses are offered by manufacturer in which the basis of the course is tailored around their product	Jul 17, 2012 6:38 PM
10	I hope that this survey is not just an exercise and that you have already made up your minds.	Jun 1, 2012 7:41 AM
11	I have been a practicing engineer for close to 40 years. At this stage PDH's are not necessary.	Jun 1, 2012 7:19 AM
12	I already have to meet any CE requirements that is put in place for Vermont because of my other licenses so this change does not impact me. What I contend though is that Vermont has it right by not requiring CE while the other states that require CE have it wrong.	Jun 1, 2012 6:28 AM
13	I question the value of continuing ed. It has become a racket.	May 31, 2012 9:25 PM
14	Q10 - If they're taught by a qualified individual, yes. If it's Bob from Accounting, no. Bringing us up to par w/everyone else is a fantastic idea! It's not like we don't run into similar technical challenges as other states. We should have similarly qualified individuals, especially as the industry evolves.	May 31, 2012 9:10 PM
15	It would be good if the same 12 PDH's that are needed for Vermont would be the same that satisfy my home state (Missouri).	May 31, 2012 7:25 PM

Q11. Do you have any other comments?

16	Continuing education requirements in other states where I practice have been a significant benefit to my professional development.	May 31, 2012 6:56 PM
17	possibly, if someone independent checks on, and approves the content. (Q10)	May 31, 2012 6:53 PM
18	Thanks for doing a survey. Most states don't ask my opinion.	May 31, 2012 8:15 AM
19	If they are accredited (in response to question #10).	May 31, 2012 7:56 AM
20	I believe that any useful continuing education would be too time consuming and too costly for individual engineers or engineering firms to handle.	May 17, 2012 6:13 PM
21	I think this is a good idea as long as the requirement doesn't become too onerous with requiring the development hours to come from.	May 17, 2012 5:50 PM
22	PDH long overdue.	May 17, 2012 5:41 PM
23	In-house training varies widely in quality. I do plenty of continuing ed and think it is a good thing, yet the record-keeping is burdensome.	May 17, 2012 5:30 PM
24	In-house: as long as they are related to a specific discipline.	May 17, 2012 4:45 PM
25	Should Vermont adopt a mandatory continuing education policy, I would suggest that some attempt be made to coordinate and harmonize with requirements of other jurisdictions to minimize the differences and chaos among the various states.	May 17, 2012 4:23 PM
26	Should Vermont adopt a mandatory continuing education policy, I would suggest that some attempt be made to coordinate and harmonize with requirements of other jurisdictions to minimize the differences and chaos among the various states.	May 17, 2012 4:23 PM
27	In house sessions -- The presenter may qualify, or attendees if they complete and exam or evaluation. The presenter's content must meet minimum criteria.	May 17, 2012 4:16 PM
28	I already have to earn 12/yr for NY; as long as the same PDHs can apply to VT = no issue In-house maybe if done appropriately Having PDH req. in VT will attract more seminars to the state. This will help tourism. I have to earn PDH for NY; CT does not require PDH. This means I have to travel to NY to get PDHs. Having PDHs required in VT will give me options. I own a house in VT and would like to see seminars in greater Ludlow area. If VT will require PDHs please do three things: -Keep it simple; do not over complicate things -Make sure PDH seminars are worth the cost. I hate paying for lost time from work, travel and lodging for bad seminars that serve only to satisfy PDH requirements - Stay consistent with NY requirement; I do not want to see my PDH req. double.	May 17, 2012 4:11 PM
29	In-house technical sessions should only be accepted if certificates of completion are obtained from providers that are qualified such as ASHRAE, AIA, NSPE, etc.	May 17, 2012 2:57 PM
30	My employer may require (as they do now) that obtaining PDH credits be done at my own expense and on my own time. This has already caused me to allow one of my licenses to expire.	May 17, 2012 2:42 PM
31	9. Severe - If Vermont specific credits required 10. Yes - if in or outside of VT	May 17, 2012 2:27 PM

Q11. Do you have any other comments?

32	Do not add any required courses that are specific to the state of VT.	May 17, 2012 2:13 PM
33	Do it!	May 17, 2012 2:09 PM
34	Already licensed in NY, where PDH's are required.	May 17, 2012 1:50 PM
35	8. Maybe, Where are the costs? What are the costs? Some states (NJ) make it too complicated and expensive. Don't do that. Keep it simple! NJ approves every course. NY approves education providers. None of that is necessary. TX has a simple program. Copy it!	May 11, 2012 9:05 PM
36	I am licensed in 2 other states that require CEUs. As long as these CEUs are compatible there will be very little impact to me.	May 11, 2012 9:02 PM
37	Mandated or not, as a professional I am obligated to continue my education in my field of practice.	May 11, 2012 8:56 PM
38	4. Since 4/5/2007	May 11, 2012 4:07 PM
39	PDHs in their current form are a waste of time for practicing engineers. I can say that in all courses I have attended 1/2 to 3/4 of the attendents were either sleeping or daydreaming. A much better method to determine proficiency in the field is an accounting of actual engineering services performed. In this way non practicing engineers cannot be deemed qualified by simply obtaining PDHs.	May 9, 2012 11:25 AM
40	6. 6-10 PEs If hours are obtained that are approved by another state, Vermont should accept them.	May 9, 2012 11:20 AM
41	Continuing education is good and as professionals we should all continue to learn and grow personally and professionally. My objection to a VT CE program is from the perspective of managing the data. Each state requiring continuing education has different requirements. I would prefer one national standard so that (?) and (?) can be simplified.	May 9, 2012 10:57 AM
42	There are 3 costs associated w/PDH: 10 PE board admin.; 20 My cost seeking PHDs; 30 My cost tracking PDH. All are not necessary & hardly increase my level of competency.	May 9, 2012 10:31 AM
43	Continuing Education is needed to prompt each of us engineers to stay current with building codes, energy codes, and technology changes especially in the field of consulting engineers for the design of retail and commercial buildings.	May 8, 2012 4:20 PM
44	9. As long as hours will earn credit in other states. 10. When given by a specialty product supplier/manufacturer these can be very useful. Rule variations from state to state is really what makes ConEd burdensome. Rules such as how many hours can be carried over, prorating # hours required, a certain # of hours must be ethics or laws, etc.	May 8, 2012 4:18 PM
45	Taking Engineering Ethics, Benefits of Design Build Construction and the same Rules of the State every two years does nothing to improve technical competence.	May 8, 2012 4:12 PM
46	10. Depends upon the quality of the session. Most other states in which I am licensed require this so Vermont should probably do the same. It will not affect	May 8, 2012 2:09 PM

Q11. Do you have any other comments?

me since I will do it anyway.

47	This question is a non-starter for 99.9% of the population. Much ado about nothing.	May 6, 2012 1:13 PM
48	item 10, as long as the technical sessions are properly prepared and presented they can be worthwhile and are far more attainable for small companies like mine	Apr 24, 2012 12:19 PM
49	I believe that continuing education/PDH are a waste of time and money and should not be required. They will not elevate the profession. Requiring graduate education would probably have a larger impact on increasing credibility and value of PE's in Vermont.	Apr 20, 2012 9:10 PM
50	PDHs should be easily obtainable. Particularly for those who maintain in in their home state. Some states offer acceptance of home state PDHs for their particular state.	Apr 18, 2012 12:20 AM
51	10. Provided that the "course" material is approved by those that would have authority in such cases.	Apr 18, 2012 12:18 AM
52	The commercial "PDH" programs are a joke. Companies are cashing in on the "PDH" requirement. Education should be a requirement of the company you work for.	Apr 18, 2012 12:11 AM
53	continuing professional development should be viewed by all engineers as part of the requirements of being an engineer and maintaining the public trust	Apr 17, 2012 3:54 PM
54	While I understand the potential need and concerns involving the requirement of continuing education requirements for state license- I think we need to consider what the motivation behind continuing education really should be and whether adding a requirement is necessary. As professionals can't we hold ourselves responsible for being ethically correct within our profession and in doing so staying up to date without the additional administrative and financial burden of adopting these requirements? I do not need a a few hours a year of required lectures to maintain my currency and relevance with my field. I would ask that if a continuing education requirement is adopted that Vermont, then we also implement an active duty military member waiver for PEs who maintain a license in the state of Vermont but are serving in the Active Duty military (other states with continuing education requirements do this- for example Missouri).	Apr 16, 2012 10:15 AM
55	It is somewhat difficult choosing a continuing education program that may result in occasional inconveniences, but ultimately it would be worth the extra effort. The exposure that comes with continuing education is not just good for broadening technical expertise, but encourages networking and collaboration both inside and outside of the state. I believe that a reasonably scaled program would benefit engineers in the state without imposing a undue burden.	Apr 15, 2012 12:58 PM
56	I support continuing education requirement as part of maintaining engineering license, however continuing education requirement of 12 CEUs on annual basis is too much. As an example, a recent week long class I attended offered by University of Wisconsin - Madison was valued at 4 CEUs. I believe that a week long class a year is much more suitable and would support that. Additionally,	Apr 10, 2012 4:53 PM

Q11. Do you have any other comments?

	requiring compliance at the time of the renewal would provide more flexibility, rather than doing it on annual basis.	
57	4. No answer	Apr 10, 2012 4:06 PM
58	7. No answer Currently working on my MS in software engineering - education of this type should qualify for PDHs.	Apr 10, 2012 3:35 PM
59	The only people who benefit from PDHs are the companies that charge you fees to take courses!	Apr 10, 2012 3:34 PM
60	Education is great. The administration is the challenge for VT & ME. I already deal with this for other larger states. So education/training is ongoing. I would prefer less paperwork for PE renewal.	Apr 10, 2012 3:08 PM
61	Work experience is far more valuable than PDH. Many of the course offerings are essentially a waste of time.	Apr 10, 2012 3:03 PM
62	Rules for PDHs should be consistent from one state to the next. I am registered in 3 states that have prof. development requirements, all with different reporting standards.	Apr 10, 2012 2:03 PM
63	Ensure requirements are similar to other states to allow prof. development to be considered in multiple jurisdictions.	Apr 10, 2012 12:04 PM
64	9. Continuing education credits are required for other professional certifications I currently hold. 10. Unless they are deemed acceptable by certifying agencies (AIA, AEE, ASHRAE, etc.)	Apr 10, 2012 12:01 PM
65	Stronly support PDH requirement. It is a very small effort asked to keep a profession current.	Apr 9, 2012 9:11 AM
66	I purchase courses and complete about 20 hours per year of PDH credits. I can not say that they have helped me one way or the other in my professional career. The courses have standard college "entry level" questions, without requiring insightful participation on the part of the student. I have never gone back into the course material for engineering help with any problem in my daily work environment.	Apr 7, 2012 11:46 AM
67	I had a Maine PE license but let it be retired because I neither practice in the state nor was interested in spending money on maintaining the required professionalo education units. If the state of Vermont is in need of more money for professional licenses, raise the rates.	Apr 6, 2012 3:51 PM
68	My "home" license is in a state with CE requirements Already so I am biased.	Apr 6, 2012 3:40 PM
69	Bi-annual reporting every 2 years would work better.	Apr 6, 2012 3:36 PM
70	Limit the 'in-house' PDH counting towards the requirement.	Apr 6, 2012 3:34 PM
71	I feel CEU are VERY important to maintaining our level of practice.	Apr 6, 2012 3:27 PM
72	10. No answer - depends on quality & topic	Apr 6, 2012 3:21 PM

Q11. Do you have any other comments?

73	Would support smaller cost increase, \$5 - \$10 max/2 yrs for PDH admin.	Apr 6, 2012 3:17 PM
74	In my experience, many employers are not interested in paying for real educational opportunities so will opt for the low cost options with no real educational value like online self study. This can be changed by requiring multiple activities or a strict accreditation policy. In addition, 12 PDH's each biennial period is not much and most good learning experiences require more time.	Apr 6, 2012 3:03 PM
75	"In-house" technical sessions for a part of req'd PDH.	Apr 6, 2012 2:25 PM
76	10. Yes, with submittal of training syllabus.	Apr 6, 2012 12:13 PM
77	I hope it doesn't go through. It seems like the profession is moving away from experience and favoring academics. My mentor 10 years ago would not be a PE using today's standards, but people w/ a BS in engineering who are not as good at the practice of engineering would be.	Apr 6, 2012 12:12 PM
78	Most PE's are already getting 12 + PDH in other states. Exp & time is already spent.	Apr 6, 2012 12:06 PM
79	Technical seminars or 'lunch & learn' presentations by vendors should not count toward PDHs.	Apr 6, 2012 12:04 PM
80	The PDH requirements have become nothing but schemes for selected companies to make money. This does not make better engineers.	Apr 6, 2012 12:02 PM
81	The continuing ed programs in other states have no practical value.	Apr 6, 2012 11:59 AM
82	Career development and maintaining engineering competencies should come from the core work experience. States such as NY that require PDHs 'subject' engineers to come up with ways to meet the minimum requirement but still encroach upon the main responsibilities.	Apr 6, 2012 11:53 AM
83	PDH's requirements need to be in line with other state's requirements	Apr 6, 2012 10:29 AM
84	Most engineers are getting the professional development hours and are likely getting them for other states PE requirements. If VT is going to do it - they need to find a simple inexpensive way to track it and report it. The money should be spent on obtaining the training (which conferences are costly to companies between registration and costs of someone being on overhead for the day) - the cost on the PE renewal end should not be where the money should be spent.	Apr 6, 2012 10:04 AM
85	IF PDH's are to be required, would suggest reducing requirement to 8 PDH per year.	Apr 5, 2012 10:54 AM
86	I am already required to meet the continuing education requirements of numerous other States that I'm licensed in. This would not be an issue for me.	Apr 5, 2012 9:14 AM
87	In house technical sessions are fine as long as they prepared by competent individuals and the sessions are relevant.	Apr 4, 2012 10:03 PM
88	My only piece of advice is to not make your education requirements as ridiculous as New York state. They make it almost impossible to comply with their	Apr 4, 2012 3:00 PM

Q11. Do you have any other comments?

requirements unless you live in the state.

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| 89 | I do not believe requiring professional development hours would improve the engineering capabilities of Vermont PEs or help the safety of Vermonters. Many of the approved training hours that I have participated in are sales calls from equipment vendors and they do nothing to promote the integrity of VT engineers. | Apr 3, 2012 8:19 PM |
| 90 | Continuous lifelong learning is imperative to any profession, especially engineering, which provide services that effect public health and safety. | Apr 3, 2012 6:16 PM |
| 91 | If PDH becomes a requirement, then we should be able to get "PDH credit" for: 1) attending a professional conference, 2) teaching courses, 3) watching webinars and other evidence of engineering work such as patents granted, publications written, etc. It is not fair to establish a new requirement for people to maintain a PE designation under a new (different) set of ground rules when they obtained the PE license under an old set of ground rules. When the rules change, for fairness, those who obtained the PE license under the old rules should be "grandfathered" to allow the continued maintenance of their PE designation without any additional continuing education requirement. If you are going to establish a new requirement, then it should apply only to new PE applicants. Overall, I believe this idea would cost extra money and institute an added administrative/bureaucratic burden without providing much value. Also, there are (lean) years when PEs and their employers cannot afford to attend formal education courses. The "education industry" is moving away from traditional ways of learning and staying abreast of new technologies. | Apr 3, 2012 4:28 PM |
| 92 | I recommend using licensee's home state PDH requirements as meeting VT requirements if equal to or greater number of hours are required. I am currently registered in 23 states and have to maintain continuing education for most of them. The admin. cost is a burden to a small company. | Apr 3, 2012 10:17 AM |
| 93 | The continued professional development programs offered in most states are a circus-pay the state fee to become a licensed educator and pay the state to certify what education you have received is credible. In most cases, the ability to stay in business is based on one's ability to stay educated and on top of current best practices and technologies. Paying for online courses does not add value to a professional or the state that requires it. | Apr 3, 2012 10:01 AM |
| 94 | A few points to better understand my survey selections: Between the education, experience and testing requirements, the average PE invests 8 years to become qualified in their field of expertise. Work experience thereafter provides more education on a daily basis. IF the PE is not working (for any reason) or does not keep up with the current standards of practice, they ultimately are weeded out of the profession. Comparably, the AHJ's granted the authoritative oversight of the PE's work are often required to have 1/4 if any of the same qualifications. IF PDH's are required of the PE's, twice the criteria should be require dof the AHJ's. I'm already required to obtain 30 PDH's every other year by two other states where I am registered. Completing the paperwork for VT using the same PDH's is not a burden: however, that said, it does not mean I agree withthe other States requiring the PDH's in the first place. Bottomline, in my experience the problem isn't with PE's that don't stay up to date on the standards of practice, the problem is with the unethical PE's willing to "sell a stamp" or simply cut corners. Even if a PDH program is implemented and enforced, it won't in all likelihood | Apr 3, 2012 9:10 AM |

Q11. Do you have any other comments?

solve the real problem of the few rotten apples with unethical behavior. Heck... they will probably just cheat on their PDH's.

95	I already have to maintain CEU's in another state. I see no reason why each state should have their own rules, own process, etc. It gets to be far too much work keeping up with all these requirements. Both the time commitment and financial impact are very burdensome.	Apr 3, 2012 8:49 AM
96	Similar legislation was pushed through the Pennsylvania Professional Engineering Board of Licensure. What finally was passed was so watered down as to be meaningless other than producing more state bureaucracy. Initially the state was to preapprove courses. To get the monkey off their back, engineers go to on-line sites to take quick courses in generally related fields. Most of these courses are designed to satisfy state requirements with the minimum of study and the ease of examination. Resulting in an out-of-pocket expense of \$250+. "In-house" courses do the same. Salesmen come in and give their pitch in the guise of CPD. Therefore my answer is yes "in-house" to get the monkey off my back.	Apr 2, 2012 5:40 PM
97	In-house sessions should be done at risk of not being approved. Perhaps an approval process similar to NY's could be instated for in-house sessions. There should be criteria on these sessions, or some regulation of them at least.	Apr 2, 2012 3:57 PM
98	My firm is a specialty firm that uses specialty software on occasion and is a key part of our business, the availability of recognized training is limited.	Apr 2, 2012 10:19 AM
99	I believe in-house technical sessions should be limited to 25% maximum toward a bi-annual PDH requirement. New Mexico has a good PDH policy that may be useful to serve as an example for Vermont.	Apr 2, 2012 9:50 AM
100	Engineers who are only licensed in Vermont will see a financial impact. They will be hit with the double whammy of lost billing hours as well as out-of-pocket expenses. I am licensed in 33 states and my yearly education costs run about \$1,500.00 each year. Some of the states I am licensed in require four hours of state-specific education each renewal period. Licensing laws are so similar that this is a ridiculous waste of the licensee's time and money. Please don't go there.	Apr 2, 2012 8:11 AM
101	I practice engineering in New York State which currently has continuing education requirements. There are a large number of Professional Engineering organizations and members trying to get rid of this requirement. The engineering codes themselves are constantly evolving and should constitute as continuing education in itself. Continuing education is nothing more than a money making scheme and is being pushed hard especially by Universities who also want to require a Masters' degree in engineering in the future in order to get a P.E. It is time to stop the college professors from taking over our profession.	Apr 1, 2012 11:17 AM
102	Will tend to drive away good engineers	Mar 30, 2012 2:06 PM
103	PDH should include attendance at industry forums, meetings, etc. to encourage participation. Do not require anything specific to Vermont - - it is impossible to attend specific training in VT.	Mar 29, 2012 3:18 PM

Q11. Do you have any other comments?

104	See item 1 comments	Mar 29, 2012 3:04 PM
105	<p>Although I believe that some form of ongoing measurement of technical proficiency should be required, I believe the current PDH system used by most states is a waste of time. An entire industry specializing in providing continuing education classes for engineering licensure has developed with many classes of limited benefit at tremendous cost. Most license holders that I know simply try to find the least expensive class that will fulfill the PDH requirement which typically means their own interests are brushed aside for the sake of meeting the minimum amount of PDH credits. Ultimately, neither the licensee nor society benefit from this "education." Rather, I would like to see some form of proficiency test, possibly organized/administered by NCEES, required to be taken say every three to five years. It could be open book, taken online or by paper, and focused on the specific engineering discipline of the licensee. I am not advocating a difficult, hard or confusing exam, just basic review of the fundamentals and principles of engineering that were required to be known when originally licensed. Maybe even four or five different tests could be made for each discipline and the tests could be taken in a rotating fashion so a broad review is achieved. I believe this would be far more beneficial for the engineering profession at large and in Vermont than the current PDH system being considered.</p>	Mar 28, 2012 2:26 PM
106	<p>Please do not support PDH's. They add nothing to the knowledge base, and I mean that literally! Many of the courses I am offered in FL and NJ are trivial and can be completed in far fewer than the number of hours implied. I take these courses at the last minute, when it is time to renew my license. I look for topics of interest to me, and am usually sorely disappointed by the content. Furthermore, the exams are themselves taken directly from the texts and require little to no analytical thought which would indicate mastery of the topic presented. Why impose this cost on the engineer and add administrative burden that adds even more cost to achieve literally nothing?</p>	Mar 28, 2012 10:56 AM