

April 2019 - Power PE Exam RESULTS Survey

146 responses

Company Name

146 responses

N/A

Burns & McDonnell

HDR

Black & Veatch

Self

AEP

Stantec

Duke Energy

Na

Chevron

-

X

No

NA

First Energy

Burns and Mcdonnell

CMS

Memphis Light Gas & Water

Wood PLC

IMEG

Amazon

Saudi Aramco

IEI

Not gonna say

SGS Engineering

Power Grid Engineering

New York City Transit

Air Liquide

IEG

Burns and McDonnell

Arup

Ampirical Solutions

Department of the Army

CalCom Energy

National Grid

No Thanks

EXP

JRSA Engineering

CDS Engineering

dyna

CTA Architects Engineers

LCRA

Zachry Group

Affiniti Studios

SGC Power

daniel tran

Coolsys Energy Design

Haskell

Greeley and Hansen

Tak Au

dar al-handasah

Ronita Bose

AES

Ameren

Hector Galarza

Utility

Xcel Energy

Infrastructure Factor Consulting, Inc.

Moffatt & Nichol

SSOE

CA Air Resources Board

California engineering

PEI

ERCOT

Mark Heisler

SB

POWER Engineers

Jahnvi Sajip

Cajun industries

PowerSouth Energy Cooperative

Utility

Public Utility

None

Intel

Fiskaa

Tetra Tech

OG&E

Not sure

Jim

PACE

mg

Eversource

Carollo Engineers

n/a

esgee

CA DWR

bes

IMEG Corp.

Stanford

J

NW Communications of Austin Inc

Mazzetti

Wgf

MSA Engineering

BKV Group

B

Edmonds Engineering

Confidential

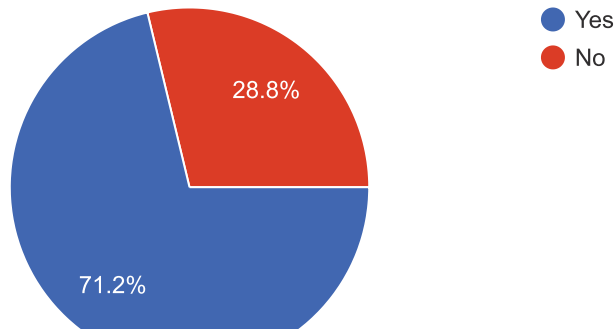
NYC

KBR

OTHER (22)

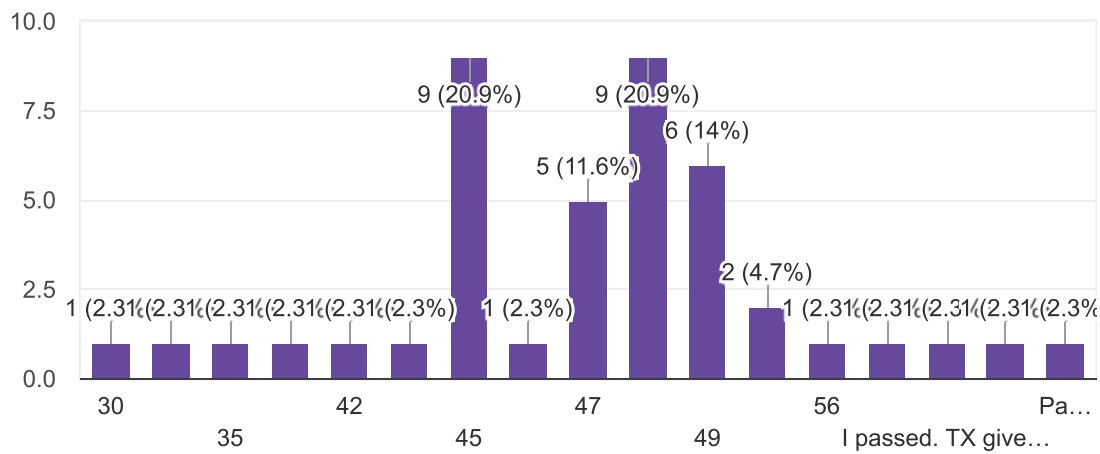
Did you pass the PE exam?

146 responses



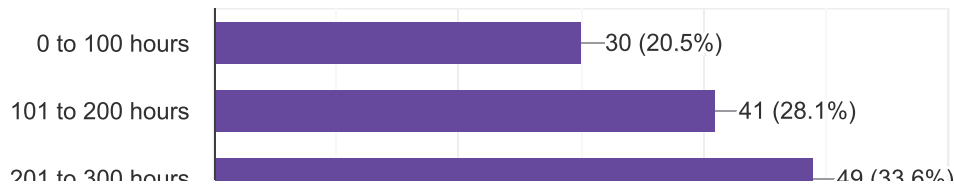
If you did not pass the exam, then what was your score out of 80? (____ / 80)

43 responses



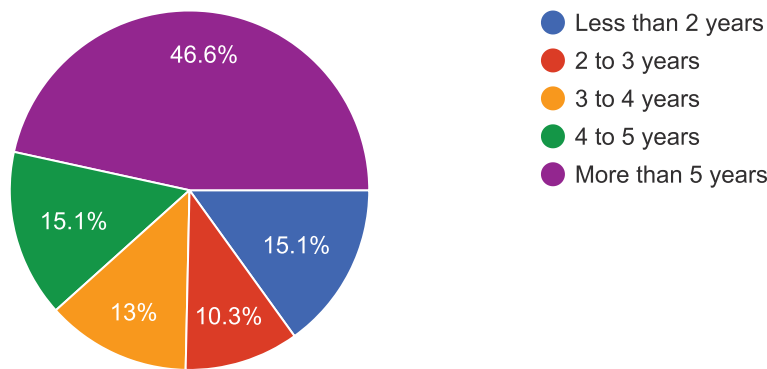
How many hours did you study for the exam?

146 responses



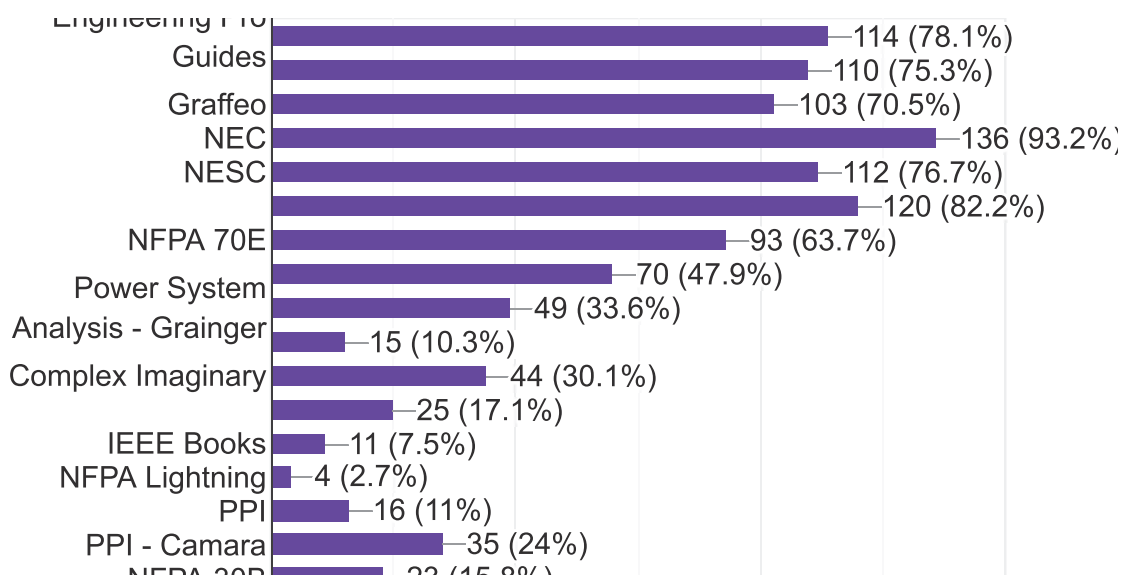
How many years of engineering experience did you have at the time of the exam in the fields tested by the exam?

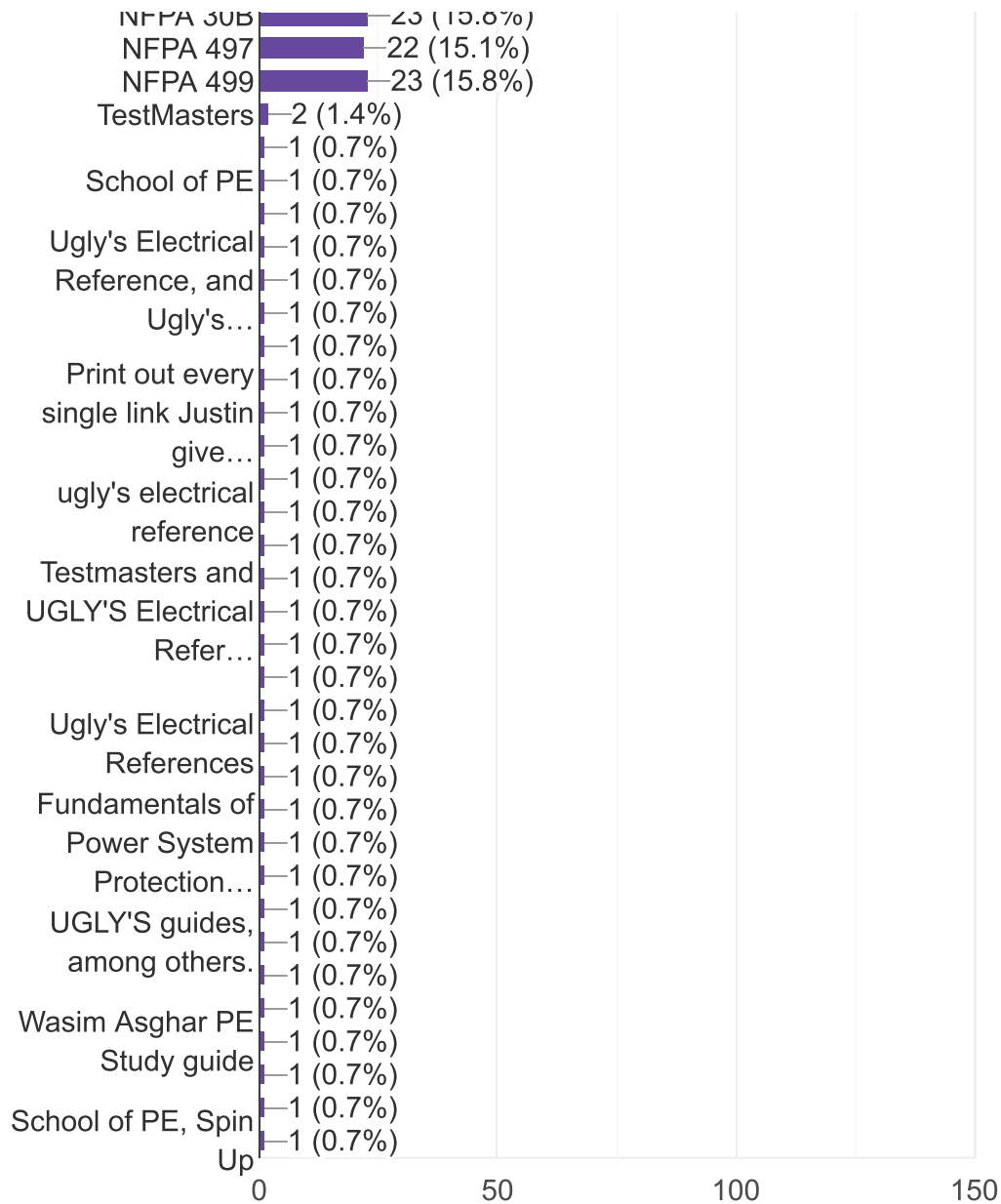
146 responses



Which references do you recommend for the exam?

146 responses





What do you wish you knew before you started studying?

146 responses

N/A

-

none

X

x

Nothing

F

BATTERIES

Better understanding of my weaknesses

~~So much code!~~

Don't have too many references

Found Engineering Pro Guides a few days before exam. Would have been more useful if I found it sooner.

I would have timed myself the first time taking practice exams to get an idea of pacing.

Per unit analysis

Should have started earlier

Not to freak myself out. The test ended up being easier than most of the resources I studied with.

Organized materials were there

NA

Study More

None of the resources available (I used several different sources/practice exams) was very representative of what was on the exam, not even the official practice exam. But the official practice exam was closest.

How important the NEC is.

A lot more.

My way around CODE books for quicker referencing.

How anything related to Power Engineering was fair game on this exam

They is as much Math/Calculations Problems

More Theory and less math

Timing

Better reference book for Transmission and Distribution Problems

~~The test is based on real world applications.~~

More Material for each topic. Like batteries

Time distribution

Read the latest test outline ~~no dual NMEP questions~~

Wish I have started with more tricky questions in practice exams

Exam composition is fluid, so it's not always worthwhile to focus on what previous exams were heavy on.

ALL answers on the test can be answered in 6 min. Some are not intended to take 15 min while others are 1 min.

Where to begin

the exam is different than any study guide out there

How fast the time goes, you'll run out of study time before you know it. Make the most of your time.

~~How crucial sections 98 and 100 of the NEC can be to helping solve code problems.~~

Familiarity with NEC

~~The amount of basic electrician questions. There was probably 5-6 basic electrician questions.~~

Don't stress; put in the time and study. Prepare and know you can tackle the test and be successful.

You can have multiple 3 ring binders, put all my notes and engineering pro guides in one binder, was more difficult to go through.

What I was getting myself into.

Better understanding of the types of questions and difficulty.

study months ahead of time

More focus on NEC, But I prepared well. And there were at least 10/12 weird questions that nothing will make you prepared for.

There will be things on the test that don't show up in any study material. I wish I had brought more references.

Practicing problems is more helpful than just studying the material

Don't start with Camara, keep for the end. don't do the camara practice exercises, do only the camara exams not bad. start with graffeo and NCEES exam, in addition to engpro exam.

Even though I passed on the first try, I believe I would have saved myself a lot of hassle if I knew what not to and what to focus on for each topic.

The emphasis on confusing questions.

I didn't pay attention to the syllabus until two weeks before the exam. Complex Imaginary didn't have enough T&D to prepare me well for the PE Exam.

The PPI books were all over the place - not very applicable to the exam itself.

Don't worry about remembering formulas off top of head, know where to reference stuff first and foremost.

Spend more time on NEC code book

A designed path to study the topics on the exam.

The resources I would need

Engineering Pro Guides was an option

More Theory than Calculations

Differential Relays

Doing practice problems has the biggest impact on improving score.

A guide of recommended books to purchase/ review of different study books

A lot more qualitative than quantitative. there were more general knowledge questions and table lookups in the NEC than I was expecting.

Need to know conceptual theories for pretty much all subject matters

About pro engineering guides

Practice Problems were the key

Codes, Battery Discharge Rate & T-Line Compensation

NEC

Skip all the reading, just work problems and read up on the types of problems you don't answer correctly.

Areas of weakness

More practical knowledge

Cap banks & Power Factor Correction

Just do practice exams

This was my second time taking the exam so I knew what I was getting in to.

That this was basically going to be a master electricians test. Being able to navigate the NEC was crucial.

Invest in reference organization upfront. NEC speed tabs, stickys, highlighters, binders, dividers, etc. Eng Pro Guides was my main reference. I tabbed chapters with dividers in the binder which made things quick. I printed the practice test solutions as two sheets on a single page for quicker reference skimming.

Hiw much time it takew

Correct materials

The large number of reference and reading that is required before diving into practice questions.

Not spending too much time on a question that I do not know the answer for during the PE exam. Since each question is weighted equally, it is better to double check other answers to revise silly/easy mistakes.

Good study material. My coworkers and I banded together to research what material would help us collectively.

Everything I had to study.

Organize your notes and practice problems in order to find things as fast as possible. Desk space and time are limited during the exam. Make an organized directory for yourself to find each type of problems as you study.

To have an index system for my vast amount of references.

That most of the practice problems presented in any of the study materials does not look like what is on the test.

~~There would be strange twist questions about power factor~~

NESC and NFPA70E are different.

i didn't exactly study

Wish I knew not to assume that the exam will be at the same difficulty level as the Ncees and PPI practice exams.

Level of Difficulty

I wish I had something similar to Lindburg, for FE prep.

There's a lot of young engineers at the test site (obviously in their 20s) which is likely what accounts for the intimidatingly low pass rates - not enough time in career for exposure to the breadth of topics.

Didn't study

To not feel so stressed and overwhelmed in the beginning

About Engineering Pro Guides. I did not find it until about 1 month before the test.

More study material on protection and nec code.

Start off studying with the pre-made cheat sheet from eng pro guides and add equations as you go.

Nothing

What to focus on

OTHER (35)

What do you wish you practiced or studied more?

146 responses

NEC

Protection

Nothing

N/A

-

No

Code

none

X

x

F

Induction & synchronous machine

Variety of possible questions

Small electronics

Battery problems

Battery and reliability questions.

Motor protection

Batteries

Ladder diagrams.

NA

Yes

It would have been pointless since the materials didn't really translate to the exam well.

The NEC

Engineering Economics/Lighting

Measurement and Instrumentation

Batteries and Codes

Electronic Circuits

More exams

A lot of practice problems

Rotating machines and electronic devices

Electronics

Codes and Standards

Medium length transmission lines

Tricky questions ,more theory and NEC questions

Theory. Could've worked out a reference system for practice exams to make things easier.

Batteries and theory

Electric machinery

power system analysis, power electronic devices, application

Medium voltage distribution; it's still a little weak area for me.

AFCI/GFCI

Industrial Capacitors

Protection and Transmission Problems

Reliability, protection devices, circuit analysis, power system analysis

Organizing my notes/practice questions.

Reliability, Battery storage

Motors, power electronic circuit, batteries

Nothing, really. I felt I did well on the things I studied that actually appeared on the test. The surprises on the test didn't require more studying - just more reference materials.

graffeo and engproguide exam.

Ladder logic

I wish I studied T&D earlier and more.

I was weak in protection - a few of the exam curveballs for me were all in the protection category.

Rotating Motors

Protection.

Read more about batteries

power factor, probability for reliability

Fault Currents

Protective Relaying

There are a lot more conceptual questions compared to the practice exams

Nothing, I passed.

NEC Code sample calculations in the handbook

~~No, residential. There were a couple of conduit fill type problems. I should have put more time into studying Distance relay protection also.~~ I should have practiced more on the PU method.

Probability/Logic circuits

per unit calculations

Transmission theory

Cap banks & Power Factor Correction

More practice exams

Protection and code

Motors and Generator theory.

100-150 hours was sufficient. I felt very confident walking out of the exam. Finished 60 minutes early in the AM and 90 minutes early in the PM.

Practice

Motors and protection

Protective relaying, motor control, transmission line analysis.

NEC, Measurement and Instrumentations, and Special Applications

N/A. Felt I studied enough by doing just weekends ~8hrs per day

Insulation testing, demand calculations, generation relationships (kV/MW/MVAR/RPM)

Protection, Rotating Machine Theory, Motor Start, Stability

nothing

power and distribution

Wish I had studied more protection material

Protection

Transmission and distribution: protection, and system analysis.

Nothing. There are some things I wish I'd practiced less as they weren't on the test whatsoever, but I cannot comment on that...

Definitely batteries

I wish I studied more of the per unit method, ~~as the MVA method is easier but not always applicable~~

Nec code

NEC questions

Protection relays

Motors

Transmission and distribution

I work with NEC everyday, and STILL found that I could have been more proficient with it.

code and application

Testing methods, power factor

Transmission

Motor Properties

Applications, Electric Power Devices, and Protective Relaying

n/a

NEC and Batteries

I personally did not do well on the transmission and distribution section.

NEC and Protection

Distance relaying MHO relays .

OTHER (16)

Additional comments or words of advice for future test takers?

146 responses

N/A

X

-

None

x

Nothing

F

study batteries, receptacles, machines

Practice problems are a must, but don't rely as strongly on the problems in practice exams. Use practice exams more for how the test itself will feel with regards to time and your test taking technique.

Code and protection. Take the Zach Stone course and the Engpro practice exams!

Don't overdo it

The test will throw curve balls at you so have a wide range of reference materials.

Know the NEC well. Use graffeo to review and add Notes to the book for anything missing such as battery and reliability info.

Work problems

Take a review class

Take the time to study. Be organized with your resources. Don't freak yourself out. This test is fairly easy with the proper resources and sufficient study time.

NEC handbook is the only way to visually see practical questions

Focus on the NCEES Sample Exam. Start from their to gather all the references that you feel you need to study more. Practice the NEC questions more than once, and try to familiarize yourself with the NEC as you do.

Study More

Be familiar with the NEC. Be very familiar.

Just get started. PPI book is good as it gets you organized. Know yourself and your preferred study strategy. Take the practice tests and get comfortable with all the concepts. The PE will hit 1 or 2 of them hard, but you won't know which ones.

Preparing the exam by practicing problems, reading books/ review courses are waste of time. Work on practice exams repeatedly and you will definitely benefit from it.

Work lots of practice problems and tests.

Study Hard and Practice, Practice, Practice.- Treat studying like a job that you want to earn a raise/promotion. Only with this, the result is directly reflected by your effort and knowledge of the topic. Hard work pays off in the end!

Know the codebooks well and be able to look things up quickly. Six minutes per question was not a suggestion but a must

Study everything. Focus more on NEC code, Batteries and conceptual questions

Theory is the most important topic across the board

Practice a lot of exams

If you fail don't give up.

Understand the theory on first few months. Practice problems on different books. Take atleast 5 practice tests and revise all of them on the last minute.

Buy The ProGuide and know it

First read all sections of Engineering Pro Guides & Graffeo. Then take 2 full practice exams, then re-read all sections of Engineering Pro Guides & Graffeo. After that, just do practice problems.

Study for atleast 4 months.

Graffeo is very helpful for theory-heavy exams, practice exams are invaluable.

Spend time studying so you only have to do it once.

Take the time to work out problems.

be perfect on things you already know. because the test is completely different. you need luck

Just work as many practice problems as you can.

Do as many practice exams and practice questions as possible, the NEC code questions pull most of their questions from grounding sections.

Practice problems and tests

Spend more time studying all subjects instead of digging too much into one subject.

Take as many as practice exams and solution as you can, I took 4 total practice exams and none of them really helped with the actual exam, practice exams weren't as similar to actual exam.

It's not about quantity of references, it's about quality.

Review the additional resource links provided in the study guide, would have made me a little more confident coming out of the exam had I printed those additional resources!

tab everything so you can find answers/formulas quickly.

Zach Stones Electrical PE review, Graffeo, Engproguides practice exams and NCEES sample exam way to go.

- You can't prepare for every question. You need to bring all kinds of references. I saw a guy wheel in a 3-tier bookshelf. I thought it was funny, but by the end, I wish I had brought in a bookshelf. Most of the references will not be used, but there are some "trivia" questions that could easily be answered with a Google search - without any Engineering knowledge. If you happen to have the right reference, you'll be able to answer those.
- You need to be comfortable with complex arithmetic and code look-up questions. Those are required for a lot of the test, but they aren't everything.
- The test day itself is not as physically demanding as I was expecting. At my test center, they didn't let anyone in until the scheduled time on your Exam Authorization. It does no good to get there extra early. They allow bathroom breaks. They gave us more than an hour for lunch.
- The NCEES practice exam has some good examples, but also has some subjects that weren't even covered on the actual exam.

practice practice practice

study study study

do graffeo book, then engproguide exam, then camara exam, and finally camara book skimming. (engproguide book may be good but i cannot say because i did not buy it as i heard it was similar to graffeo)

Know the NEC in and out and know how to use the key word index book for the NEC

It will be the hardest test you ever take.

Pay attention to the syllabus. Also get Ugly's handbook for a majority of the tables you need for the PE Power Exam.

Know the code very well - it is a huge part of the exam. Note all the code question numbers in your scratch paper for the session, do all the other problems that are "easy" (in that you know how to do them and can do them quickly), and then do all the code problems at once. Many refer to the same tables as previous questions, so once you have the code open, keep it open for all the questions that need it. Then go back and finish your "hard" problems.

A lot of people fail, it's not the end of the world.

Anyone taking the test in the future I recommend spending good time on NEC as it has a lot of questions on the PE exam

Do as much practice exams as you can.

No

Study, study, study...you never know what will be on the exam. Practice, practice, practice

Was surprised that there are plenty of time to complete the exam, and I hardly did any practice on calculations. ~~A lot of the questions are either you know it or you don't type of theory/design questions, and the calculation questions are much fewer compare to practice exams, and mostly fundamental and short. Even the few calculations questions are designed to test fundamental understanding of topics, key is not to doubt yourself and overthinking.~~ Quite a few electrical exam takers started leaving with more than an hour left on the clock for both sessions.

Pace yourself both when studying and on the test. On the test day Rlrace through the questions with a quick pass, then use your left over time wisely to look up tougher questions and perform double/triple checks

Having references and knowing how to use them is critical. Be concise and organized with your references. If you can circumvent using an entire book with just a few key equations and practice, that is ideal.

if youre stuck, don't waste time and move on

Study to the test, don't try to learn everything. Learn to take the test, as in look at practice tests, and tricks and tips for multiple choice. Work Problems forward and backward, as one of the answers on the page is right.

Research information and create a notebook of references for quick access. Know your NEC code sections and tab them. The Tom's Henry's index was a big help.

Follow eng pro guides and do all the sample problems you can do.

NEC is your friend

Understand the basics of Power Systems

Study the NEC more than you think you need to.

Do > 1000 practice problems, know what problems you can and can't do, know what problems take the most time and save them for the end.

Try to understand your weaknesses

Make sure to understand where to locate key topics in the reference books used.

Practice exams every week for 6-8 weeks.

Do a lot of practice problems. Protection is difficult so study that the most.

Don't count on the practice test being very similar to the test.

Make sure you know the code well. Exam is very code heavy. Practice code every day if you can

Jump right into practice exams to identify strengths/weaknesses. Understand some specific questions might be better to punt and focus on getting as close to 100% on your strengths. Eng Pro Guides and NCEES had the best exams. Complex Imaginary was good for volume, but very easy.

Dont take this exam for granted

N/a

Know your references front to back. Read through them to know where to look up information in a split-second.

Don't study too early. Might be better to study 2.5 to 3 months before the exam date to remember the materials and concepts better.

Don't waste your money on PPI. Quite frankly expensive and useless with the exception of maybe one or two questions that other study material covered.

Study until you think you are done, and then buy another book and keep studying.

Read questions slowly and thoroughly until you fully understand the question before you make an assumptions. I know it's common sense but there is so much detail that can be given in each question

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The exam is all about having a multitude of high quality references and properly organizing them to allow finding the answer in a timely manner.

The cheat booklet was key to success, as well as the Pro Guide exams.

stay focused

Give yourself a break the day before the test.

I am a Mechanical PE and took the power exam on a whim so I can stamp in all states. I wish I put a bit more effort into preparation as the power and distribution sections are what did me in.

Doing a lot of practice problems and taking practice exams is the best way to prep for the exam. The Engineering Pro material/exams helped me a great deal.

Glimpse through NCEES Practice Exam soon to get a feel for the level of difficulty

Go through NCEES exam specification and study topics one by one. They are not joking, they will test you on each of those topics.

Base your studying only around practice tests in a similar manner to the exam, and then re-visit and fully understand the problems you missed first time around. Mark questions you guessed on so you can revisit them too and they aren't hidden from you in case you get them blindly correct. I took 5.5 full practice tests.

Also I would recommend creating a 3"+ binder with A-Z tabs and an index sheet, then fill it out as you go. Print hole punch and create. The test is all about knowing your reference material. I ended up only have to guess completely on 1 question. Bring as many books as you can. I filled up a backpack and a carry-on sized suitcase.

Good Luck

Study study study, and do many practice problems.

none

Work through lots of practice problems. After you complete a problem, make sure you know how to find other parts of the problem that may have been given. Try removing a different value and understanding how to find it. The test tries to trick you with giving information you don't really need.

Get really comfortable with equations and your cheat sheet

Study as much as you can

OTHER (35)

If you purchased an Engineering Pro Guides product, please leave a review for the Engineering Pro Guides material. Any suggestions on how to improve or comments on what you liked and what you didn't like will be very helpful.

86 responses

more batteries, better machines

I did purchase your practice test and technical guide. I plan on updating reviews on your website and google tonight or tomorrow after I have margaritas!

Excellent review material.

The shortcut sheet sent out the week of the exam ended up being a lifesaver.

NA

I like the NEC code practice problems which really helped me get familiar with the code quicker. I hope you can put the problem statement together with the solutions at the solution section.

The Eng Pro Guides Review Guide and Practice Exam helped me especially on the synchronous machines and autotransformer explanations. I used the cheat sheet on the Eng Pro guides website for the exam which helped me out greatly.

The guide is a great starting point that gives you brief understanding of a breadth of topics. It's a great guide that I referenced multiple times; however, it is not a guide that has all the answers. Remember, the guide was put together for general understanding, not the end all be all reference book.

The practice exam i felt were very helpful. The difficulty of the problems were pretty close to the difficulty of the exam. I wasn't too big a fan of the guide. They did not go into that much detail but nonetheless I still think they were helpful to have for the exam cause you never know what they can ask.

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It wasn't really helpful, Graffio was much better reference

More practice problems in the study per section.

Excellent material. ~~Found few answers on the exam directly in the material.~~ I recommend there practice tests and guides.

Excellent study and reference material.

Awesome, but the cheat sheet needs a little more work. If I remember to scan mine, I'll send notes.

Some of the questions are lot of values and really tough. Instead make it sound tricky but actually if understood easy. More NEC and battery theory questions

Very detailed and very helpful practice exams and additional materials. Having practice exam questions sorted by topic is a great idea.

It was helpful on the exam.

the book is easy to study and help you get in the study mode. and help you understand the concept of whatever it covers. power system analysis is not really covered, and the test supposedly asked 11 questions on that.

The study guide was fantastic, it covered everything that would be on the test and focused on what would most likely be asked. It was incredibly helpful in studying, and the practice questions helped reinforce it all.

Engineering Pro Guides Power Technical Study Guide did an excellent job of presenting information clearly and concisely, and providing lots of "short cut" equations, especially in autotransformers and rectifiers. It does an excellent job in filling in gaps that Graffeo does not cover. EPG could go into further details on reactors and protection.

Engineering Pro Guides Power Practice Exam One is probably the practice exam most similar to the actual exam on exam day. Power Practice Exam Two is new and still has lots of problems that need to be further fixed or refined.

Spend more time on Industrial Capacitors.

Excellent - Thank you for additional additional material and problems to cover protection.

More indepth explanations on motors, more thorough step by step explanation on some of the example problems would have helped, especially in the different variations of fault calcs.

The Reliability section didn't seem to cover the questions that showed up on the exam at all. Battery storage should be more in-depth, especially as it's an emerging technology in the industry.

Your product helped me improve my score, but it wasn't enough to pass. I highly recommend it and plan to put more time the next go around.

Both Engproguides Practice exams is really good, must have items. Technical study guide isn't as good but you still can get it if you haven't took any review classes or so.

- The Code Reference questions were the most valuable. It really gives you good practice for these types of questions.
- The study guide explains all the subjects in as few words as possible - something no other textbook or reference tries to do.
- The study guide and practice exam give you a lot of good practice with complex number math. That was extremely helpful and time-saving.
- The Engineering Pro Guide suite of products was definitely worth the price, to me. I'm keeping the study guide at my desk to help explain concepts to young engineers (and maybe help refresh my own memory).

One of the best test materials. very close to actual exam.

improve accuracy of the answer to the questions

engproguide exam was invaluable.

The practice questions were really helpful in preparing me for the test. The difficulty level of the questions was key in making me feel prepared for the test. The only improvement I would suggest is incorporating a greater variety of NEC questions.

The more practice problems the better, not as easy as complex imaginary but not even comparably hard as the actual test.

EngProGuides material was the most useful single source after the NEC for the actual exam. Some of the non-exam-specific references such as Electric Machines, Art and Sci. of Protective Relaying, and the code books are very valuable, and worth owning for the long-term, but as a PE exam reference, EngProGuides was the most useful of the bunch, and always out on the table during the exam.

I never created personal cheat sheets. I used basically the cheat sheet from the guide

I only bought the exam product but it gave me other types of problems that exposed some deficiencies and was able to tackle before the exam.

Helpful. Didn't have time to go through all the questions, but feels so much harder than that of the actual exam in terms of difficulties.

Eng Pro Guides overall gave best reasonable expectations what could be tested on actual PE exam.

I purchased all of the review material. Printed it and had it as reference. A summary TOC and index would be nice/easier to reference. I had tabbed and labeled all the major sections. The material was great, very pertinent. Although a little light on distance protection. The cheat sheets were very good.

It was very helpful. Along with NCEES sample exam, Pro Guides problems were the closest to real exam.

Practice test was helpful.

The resources I found useful, were Engineering Pro Guides and Graffeo. Nothing really matches the actual exam, but the combination of both resources will probably be close to 60% of the exam (in my experience). The Engineering Pro Guide resources and exams has good questions, but there were solutions to some questions that had errors, this made it difficult for me to judge if I was doing something wrong, when solving problems. I really liked the diversity of questions on the Engineering Pro Guides book. Another thing to keep in mind is that, the exam is not all calculation type questions. So if you are expecting to crunch numbers for all 80 questions, you will be surprised how many questions are qualitative.

Super helpful.

I found the study guide was good. I used it the most for both my exam attempts. Just fell short on both attempts. I'm frustrated but need to move on.

It was helpful.

I think there should be more focus on theory type questions. More lighting, battery, reliability etc

Engineering Pro Guides was the most complete and comprehensive reference for the Power PE exam. The material is organized into the main Power categories with the best equation sheet I've ever seen. The difficulty and breadth of the practice problems were very close to the actual exam. Other guides to passing the PE just aren't as easy to follow.

Great guide. The layout is very concise and easy to read. Great simple diagrams and gets to the point. It just needs to be a bit more detailed in certain aspects like protection, electronics, motor starting and some transmission line analysis.

I would like to recommend that the following topics should be enhanced/added: Reliability Calculation, NEC, Youtube sessions, video tutorials.

Also, as a potential business growth, I see an increasing trend of Canadians applying for PE, so if more advertising in Canada is done for Engineer Pro Guides, that would be good for your business going forward.

The sample exams that got sent out as Google forms had mistakes. And felt far more difficult than what it should have been. Overall very useful material in the practice exams. Did not purchase the study guide because I used Graffeo and felt it was sufficient.

Very helpful study guide and reference during the exam. More practice problems would be helpful, but the practice exams that were emailed before the test were helpful.

The engineering pro guides material was honestly the best resource I used. I found it by accident on Google and was very impressed. Justin puts such great effort into insuring the questions he provides are as rigorous (if not more sometimes) as exam questions and gives a wide variety of ways to ask them. His material covers areas of the test other literature listed on major book retailers does not even mention. I'm a huge fan of the PDF distribution method he uses as oppose to buying a book because you have the option to print only what you need and errata and additional information can be added by Justin whenever. Thank you for this wonderful resource!!

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Engineering Pro Guides was instrumental in my passing, particularly the practice questions for power and codes. I used these problems to simulate an actual test during the last month. I found that these questions were challenging and best reflected actual problems in the test. The solutions are detailed. It helped that I wrote a brief description or title for each question so that I could quickly scan through them and find a similar problem. This was particularly helpful with the code problems.

I think the protection questions need to be more in line with the test questions, but this is a problem in every material I studied.

I purchased a day or two before the exam, so I didn't really use it. I would have expected the technical guide to be a bit more in depth. it seems as if parts were pretty well thought out while other areas seemed very skimmed through.

Provide more theory on some of the topics

more problems in circuit analysis and transmission and distribution.

There were quite a few errors in the guide that I worked with you on and made you aware of, but overall it was well worth the cost. The cheat sheet for equations was a good starting point.

good but not enough

The material is very detailed and an excellent resource. It's a great guide to have during the exam. Be sure to add notes of your own to it and to reference where practice problems are located.

Can u add more problems on code and protection? In sample questions and answers.

Great - but I did find typos in the emailed practice test.

The technical study guide is by far my most used resource, and BBBYYY FFAARRR the best value for your money.

The practice exam calculation problems were actually more difficult than the real test in my opinion, this made me feel very prepared when taking the exam.

The real test has a higher ratio of theoretical to calculation problems, but this makes sense because Justin has to prepare you for every type of calculation problem that could end up on the test. This would not be

possible maintaining the same ratio... so just know that there will be more hunt and search questions but feel confident that you are prepared to do the calculations fast.

It was great! I used the Engineering Pro Guides practice tests (the normal exam and the NEC exam) and both were very helpful in preparing me for the exam.

Fantastic guide. Some errors here and there and could use more example problems with autotransformers but overall, it served me very well.

I think the material is great, especially the references practice exam. The study guide is a great way to get your head around 85% of the material. The protective relaying section is a little on the weaker side so adding more content for that would be helpful.

Great material but could go more in depth with Protective Relaying and electronics like diodes, batteries, etc.

Your sample tests were extremely helpful. Those were the only questions besides the NCEES sample exam that I found to be similar to actual exam questions.

n/a

I was out of school for 14 yrs, EPG study guide helped me refresh material that I haven't seen in a long time. The full exam and codes helped tremendously as well. I emailed with questions and received prompt response. Thanks again for all your help.

The material was very thorough. I would like to see more code questions relating to sizing of wires and circuit breakers with relation to motors. Also just general wiring and breaker sizes.

Great review for the test. Add more Nec code look up practice maybe. Add more distance relaying problems to practice.

Eng Pro Guides has been the most comprehensive, organized, go-to reference for me during studying and preparing for the exam. I definitely suggest using it. An improvement suggestion: Adding the Section # to the bottom of every page, as during the exam it's easier to find the section by number (since the index refers to the section #). Also covering more information on batteries, insulation testing, Lightning & Surge protection, Transformer Polarization.

I purchased the 80 question exam. Very well thought out questions covering major topics while exposing weakness and common mistakes made while solving.

The cheat sheet was extremely helpful as a quick reference for first pass problems.

This material was essential for passing. The continual updating of the Cheat Sheet is great, I utilized that a lot during the exam.

The practice exam was helpful and the solutions are clear. Consider making it easier to leave comments on the web site. I think there is an error in one problem, but I didn't leave a comment because I didn't want to create a login.

Very good sample exam. On par with the PE Exam

The 3 exams you created were excellent (paid one on website, bonus exam, and NEC exam). They are head and shoulders above other sources (Graffeo, Complex Imaginary) to matching style and content of the real exam. Keep up the good work.

The Eng Pro Guides were very helpful.

Electrical Power PE: Reliability and engineering economics concepts were very helpful to me

Engineering Pro guide is a very good quality reference material. I had the Graffeo book before the Engineering Pro guides, so there were a lot of parallels but I still learned some new information from the pro guides. I still feel that having both Graffeo books and Pro guides were useful to me and would not recommend one over the other, but I would recommend new preparers to start with the Engineering Pro guides to start with Engineer Pro guides. The cheat sheet is also great. I found it extremely useful to study. I particularly appreciated the prompt feedback to my questions when I had them from Justin. I think that was totally worth the \$80 bucks (the technical guide and the full exam) I paid for the learning material.

I took the PE Power Exam several times and I kept receiving the same scores. I found out about Engineering Pro Guides and ordered the Power materials. The study guides and sample exam, including a separate Codes sample exam were valuable resources. I passed the PE exam because of your materials. I did the sample exams over and over until I was comfortable with them. I also followed the exam tips and it helped me with time management. Thank you so much! I will recommend Engineering Pro Guides to my friends who will take their FE or PE exams in the future!

-Yvette D., PE

The guide was good in areas and lacks in several (e.g. Protection). The April 2019 exam had many new problems and questions that can be incorporated in the next revision of the guide.

I purchased the full practice exam and the 40 question code practice exam. I thought the questions were comparable to what was on the test. I also tried other exams, but I thought they were too easy. Given the number of qualitative questions on the exam, I think a 40 question qualitative test would be great!

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