Electrical Power PE Exam Survey - April 2017

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Cross reference your personal worked out problems and solutions with where book pg # you found what you needed to solve. Faster than looking through indices and glossaries.
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- Other: ..................................................................................................................
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☑ Codes and Standards

☐ Transmission & Distribution - voltage drop, voltage regulation, power factor correction, power quality, fault current, grounding,

☐ Protection - Overcurrent protection, protective relaying, coordination, protective devices

☐ Circuit Analysis

☐ Devices and Power Electronic Circuits

☐ Rotating Machines

☐ Electromagnetic Devices

☐ Power System Performance

☐ Measurement and Instrumentation

☑ Special Applications
What were your LEAST confident topics? Select 3.

☑ Devices and Power Electronic Circuits - battery, power supplies, inverters, vsd's, plc's, etc.

☐ Measurement & Instrumentation

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Additional Comments? Words of advice?

I was disappointed in how easy this exam was. I spent 3 years going back to school and countless hours studying for something I believe I could have passed without a degree and just with field experience.
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Additional Comments? Words of advice?

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- Other: ..............................................................................................................................................................................
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- Codes and Standards
- Transmission & Distribution - voltage drop, voltage regulation, power factor correction, power quality, fault current, grounding,
- Protection - Overcurrent protection, protective relaying, coordination, protective devices
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- Power System Performance
- Measurement and Instrumentation
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What were your LEAST confident topics? Select 3.

- [ ] Measurement & Instrumentation
- [x] Special Applications
- [ ] Devices and Power Electronic Circuits - battery, power supplies, inverters, vsd's, plc's, etc.
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- [x] Codes and Standards
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Additional Comments? Words of advice?

Summarize your knowledge into a concise set of notes with references

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Additional Comments? Words of advice?

I gave up on performing all of the PPI practice problems and worked on practice exams instead. I used NCEES practice exam (75% score), CI average score (77%), EE guide to passing the PE (68%). PPI Practice exam Average score (70%). I worked 9 practice exams prior to the test. I would say Mike Holt NEC review course helped a lot.
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- Electric Machinery Fundamentals - Chapman
- PPI Camara Book
- Other: 

https://docs.google.com/forms/d/1-WCayetjDXsOWnlgjUICGqK_Yf6DUtnit66ArtqlI/edit#responses
What were your MOST confident topics? Select 3.

- Codes and Standards

- Transmission & Distribution - voltage drop, voltage regulation, power factor correction, power quality, fault current, grounding,

- Protection - Overcurrent protection, protective relaying, coordination, protective devices

- Circuit Analysis

- Devices and Power Electronic Circuits

- Rotating Machines

- Electromagnetic Devices

- Power System Performance

- Measurement and Instrumentation

- Special Applications
What were your LEAST confident topics? Select 3.

- [ ] Measurement & Instrumentation
- [ ] Special Applications
- [x] Devices and Power Electronic Circuits - battery, power supplies, inverters, vsd's, plc's, etc.
- [ ] Circuits
- [ ] Codes and Standards
- [ ] Rotating Machines
- [ ] Transmission and Distribution
- [ ] Protection
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Additional Comments? Words of advice?

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Electrical Power PE Exam Survey - April 2017

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Did you pass the exam? *

- Yes
- No.

If you did not pass the exam what was your score out of 80?

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

- 2-3 years
- 3-4 years
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Is this your first time taking the exam?

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Additional Comments? Words of advice?

Graffeo is your best friend, CI is unfortunately much simpler than the actual test

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Additional Comments? Words of advice?

Tab all your references so that topics can be located quickly

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50.6 percent

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What were your MOST confident topics? Select 3.

- Codes and Standards
- Transmission & Distribution - voltage drop, voltage regulation, power factor correction, power quality, fault current, grounding,
- Protection - Overcurrent protection, protective relaying, coordination, protective devices
- Circuit Analysis
- Devices and Power Electronic Circuits
- Rotating Machines
- Electromagnetic Devices
- Power System Performance
- Measurement and Instrumentation
- Special Applications
What were your LEAST confident topics? Select 3.

- Measurement & Instrumentation
- Special Applications
- Devices and Power Electronic Circuits - battery, power supplies, inverters, vsd's, plc's, etc.

- Circuits
- Codes and Standards
- Rotating Machines
- Transmission and Distribution
- Protection
- Power System Performance
- Electromagnetic Devices

Additional Comments? Words of advice?

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Electrical Power PE Exam Survey - April 2017

A survey that gauges your level of preparedness and compares this level with your total number of study hours and references used during the exam.

Did you pass the exam? *

- Yes
- No

If you did not pass the exam what was your score out of 80?

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

- 2-3 years
- 3-4 years
- 4-5 years
- More than 5 years

Is this your first time taking the exam?

- Yes
- No. This is my second time taking the exam.
- No. I have taken the exam more than 2 times.
How many hours did you study for this exam?

- 0-100 hours
- 101-200 hours
- 201 to 300 hours
- 301-400 hours
- 401-500 hours
- More than 500 hours
Which references would you recommend for the exam? *

- Personal study notes and cheat sheets.
- NCEES Power sample PE exam.
- Complex Imaginary Sample Exams
- How to pass the pe exam - graffeo
- NEC
- Electric Machines, Drives and Power Systems - Wildi
- The Art and Science of Protective Relaying
- IEEE Standards
- NFPA 70E
- NFPA Lightning
- PPI Sample Exams
- Power System Analysis - Grainger
- Electric Machinery Fundamentals - Chapman
- PPI Camara Book
- Other: ____________________________________________________________
What were your MOST confident topics? Select 3.

- Codes and Standards
- Transmission & Distribution - voltage drop, voltage regulation, power factor correction, power quality, fault current, grounding,
- Circuit Analysis
What were your LEAST confident topics? Select 3.

- [ ] Measurement & Instrumentation
- [ ] Special Applications
- [x] Devices and Power Electronic Circuits - battery, power supplies, inverters, vsd's, plc's, etc.
- [ ] Circuits
- [ ] Codes and Standards
- [ ] Rotating Machines
- [ ] Transmission and Distribution
- [ ] Protection
- [ ] Power System Performance
- [ ] Electromagnetic Devices

Additional Comments? Words of advice?

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Google Forms
Electrical Power PE Exam Survey - April 2017

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Did you pass the exam? *

☐ Yes

☒ No

If you did not pass the exam what was your score out of 80?

39

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

☐ 2-3 years

☐ 3-4 years

☐ 4-5 years

☐ More than 5 years

Is this your first time taking the exam?

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- Electric Machinery Fundamentals - Chapman
- PPI Camara Book
- Other: ________________________________
What were your MOST confident topics? Select 3.

☐ Codes and Standards

☐ Transmission & Distribution - voltage drop, voltage regulation, power factor correction, power quality, fault current, grounding,

☐ Protection - Overcurrent protection, protective relaying, coordination, protective devices

☐ Circuit Analysis

☐ Devices and Power Electronic Circuits

☑ Rotating Machines

☐ Electromagnetic Devices

☐ Power System Performance

☐ Measurement and Instrumentation

☐ Special Applications
What were your LEAST confident topics? Select 3.

- [ ] Measurement & Instrumentation
- [x] Special Applications
- [x] Devices and Power Electronic Circuits - battery, power supplies, inverters, vsd's, plc's, etc.
- [x] Circuits
- [ ] Codes and Standards
- [ ] Rotating Machines
- [ ] Transmission and Distribution
- [x] Protection
- [x] Power System Performance
- [ ] Electromagnetic Devices

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Electrical Power PE Exam Survey - April 2017

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Did you pass the exam? *

- [x] Yes
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- PPI Camara Book
- Other: _____________________________________________________________
What were your MOST confident topics? Select 3.

- Codes and Standards
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- Devices and Power Electronic Circuits
- Rotating Machines
- Electromagnetic Devices
- Power System Performance
- Measurement and Instrumentation
- Special Applications
What were your LEAST confident topics? Select 3.

☐ Measurement & Instrumentation

☐ Special Applications

☐ Devices and Power Electronic Circuits - battery, power supplies, inverters, vsd's, plc's, etc.

☐ Circuits

☐ Codes and Standards

☐ Rotating Machines

☐ Transmission and Distribution

☑ Protection

☐ Power System Performance

☐ Electromagnetic Devices

Additional Comments? Words of advice?

Focus on the theory and concepts and you will be fine

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Electrical Power PE Exam Survey - April 2017

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Did you pass the exam? *

- Yes
- No

If you did not pass the exam what was your score out of 80?

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- NFPA Lightning
- PPI Sample Exams
- Power System Analysis - Grainger
- Electric Machinery Fundamentals - Chapman
- PPI Camara Book
- Other: ____________________________________________________________
What were your MOST confident topics? Select 3.

- Codes and Standards

- Transmission & Distribution - voltage drop, voltage regulation, power factor correction, power quality, fault current, grounding,

- Protection - Overcurrent protection, protective relaying, coordination, protective devices

- Circuit Analysis
What were your LEAST confident topics? Select 3.

- [ ] Measurement & Instrumentation
- [x] Special Applications
- [x] Devices and Power Electronic Circuits - battery, power supplies, inverters, vsd's, plc's, etc.
- [ ] Circuits
- [ ] Codes and Standards
- [x] Rotating Machines
- [ ] Transmission and Distribution
- [ ] Protection
- [ ] Power System Performance
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Additional Comments? Words of advice?

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Electrical Power PE Exam Survey - April 2017

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Did you pass the exam? *

✔ Yes

☐ No

If you did not pass the exam what was your score out of 80?

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

☐ 2-3 years

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- PPI Sample Exams
- Power System Analysis - Grainger
- Electric Machinery Fundamentals - Chapman
- PPI Camara Book
- Other: ________________________________________________________________
What were your MOST confident topics? Select 3.

- Codes and Standards
- Transmission & Distribution - voltage drop, voltage regulation, power factor correction, power quality, fault current, grounding,
- Protection - Overcurrent protection, protective relaying, coordination, protective devices
- Circuit Analysis
- Devices and Power Electronic Circuits
- Rotating Machines
- Electromagnetic Devices
- Power System Performance
- Measurement and Instrumentation
- Special Applications
What were your LEAST confident topics? Select 3.

- [ ] Measurement & Instrumentation
- [ ] Special Applications
- [x] Devices and Power Electronic Circuits - baterry, power supplies, inverters, vsd's, plc's, etc.
- [x] Circuits
- [ ] Codes and Standards
- [ ] Rotating Machines
- [ ] Transmission and Distribution
- [ ] Protection
- [x] Power System Performance
- [ ] Electromagnetic Devices

Additional Comments? Words of advice?

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Google Forms
Electrical Power PE Exam Survey - April 2017

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Did you pass the exam? *

☑ Yes

☐ No

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

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- IEEE Standards
- NFPA 70E
- NFPA Lightning
- PPI Sample Exams
- Power System Analysis - Grainger
- Electric Machinery Fundamentals - Chapman
- PPI Camara Book
- Other: Georgia Tech binder
What were your MOST confident topics? Select 3.

- Codes and Standards

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- Circuit Analysis

- Devices and Power Electronic Circuits

- Rotating Machines

- Electromagnetic Devices

- Power System Performance

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- Special Applications
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☐ Measurement & Instrumentation

☑ Special Applications

☑ Devices and Power Electronic Circuits - battery, power supplies, inverters, vsd's, plc's, etc.

☐ Circuits

☐ Codes and Standards

☐ Rotating Machines

☐ Transmission and Distribution

☐ Protection

☐ Power System Performance

☐ Electromagnetic Devices

Additional Comments? Words of advice?

Some people are good test takers. Don't hate life if that is not your thing.
Electrical Power PE Exam Survey - April 2017

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- [ ] Yes
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- NFPA Lightning
- PPI Sample Exams
- Power System Analysis - Grainger
- Electric Machinery Fundamentals - Chapman
- PPI Camara Book
- Other: 

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What were your MOST confident topics? Select 3.

- Codes and Standards
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- Special Applications
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Circuits
Codes and Standards
Rotating Machines
Transmission and Distribution
Protection
Power System Performance
Electromagnetic Devices

Additional Comments? Words of advice?

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Electrical Power PE Exam Survey - April 2017

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Did you pass the exam? *

- [x] Yes
- [ ] No

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Is this your first time taking the exam?

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- PPI Sample Exams
- Power System Analysis - Grainger
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- PPI Camara Book
- Other: ..........................................................
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- Circuit Analysis
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- Measurement & Instrumentation
- Rotating Machines
- Electromagnetic Devices

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Did you pass the exam? *

☐ Yes

☒ No

If you did not pass the exam what was your score out of 80?

40

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

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- Measurement and Instrumentation
- Special Applications
What were your LEAST confident topics? Select 3.

- [ ] Measurement & Instrumentation
- [ ] Special Applications
- [x] Devices and Power Electronic Circuits - battery, power supplies, inverters, vsd's, plc's, etc.
- [x] Circuits
- [ ] Codes and Standards
- [ ] Rotating Machines
- [ ] Transmission and Distribution
- [x] Protection
- [ ] Power System Performance
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Additional Comments? Words of advice?

..............................................................
Electrical Power PE Exam Survey - April 2017

A survey that gauges your level of preparedness and compares this level with your total number of study hours and references used during the exam.

Did you pass the exam? *

☐ Yes
☒ No

If you did not pass the exam what was your score out of 80?

47

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

☐ 2-3 years
☐ 3-4 years
☐ 4-5 years
☒ More than 5 years

Is this your first time taking the exam?

☐ Yes
☒ No. This is my second time taking the exam.
☐ No. I have taken the exam more than 2 times.
How many hours did you study for this exam?

- [ ] 0-100 hours
- [ ] 101-200 hours
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- [ ] 401-500 hours
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- How to pass the pe exam - graffeo
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- Electric Machines, Drives and Power Systems - Wildi
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- Power System Analysis - Grainger
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- PPI Camara Book
- Other: ☐
What were your MOST confident topics? Select 3.

- Codes and Standards
- Transmission & Distribution - voltage drop, voltage regulation, power factor correction, power quality, fault current, grounding,
- Protection - Overcurrent protection, protective relaying, coordination, protective devices
- Circuit Analysis
- Devices and Power Electronic Circuits
- Rotating Machines
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- Measurement and Instrumentation
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☐ Yes
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If you did not pass the exam what was your score out of 80?

48

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https://docs.google.com/forms/d/1-WCayetjDXsOWnlgjUIGCqK_Yf6DUnh6Xs66ArtlqI/edit#responses
What were your MOST confident topics? Select 3.

- Codes and Standards
- Transmission & Distribution - voltage drop, voltage regulation, power factor correction, power quality, fault current, grounding,
- **Protection** - Overcurrent protection, protective relaying, coordination, protective devices
- Circuit Analysis
- Devices and Power Electronic Circuits
- **Rotating Machines**
- **Electromagnetic Devices**
- Power System Performance
- Measurement and Instrumentation
- Special Applications
What were your LEAST confident topics? Select 3.

- ✔ Measurement & Instrumentation
-   Special Applications
-   Devices and Power Electronic Circuits - baterry, power supplies, inverters, vsd's, plc's, etc.
- ✔ Circuits
-   Codes and Standards
-   Rotating Machines
-   Transmission and Distribution
- ✔ Protection
-   Power System Performance
-   Electromagnetic Devices

Additional Comments? Words of advice?

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Electrical Power PE Exam Survey - April 2017

A survey that gauges your level of preparedness and compares this level with your total number of study hours and references used during the exam.

Did you pass the exam? *

☑ Yes
☐ No

If you did not pass the exam what was your score out of 80?

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

☐ 2-3 years
☐ 3-4 years
☒ 4-5 years
☐ More than 5 years

Is this your first time taking the exam?

☑ Yes
☐ No. This is my second time taking the exam.
☐ No. I have taken the exam more than 2 times.
How many hours did you study for this exam?

- 0-100 hours
- 101-200 hours
- 201 to 300 hours
- 301-400 hours
- 401-500 hours
- More than 500 hours
Which references would you recommend for the exam? *

- Personal study notes and cheat sheets.
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- PPI Sample Exams
- Power System Analysis - Grainger
- Electric Machinery Fundamentals - Chapman
- PPI Camara Book
- Other: 

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- [x] Codes and Standards
- [ ] Transmission & Distribution - voltage drop, voltage regulation, power factor correction, power quality, fault current, grounding,
- [ ] Protection - Overcurrent protection, protective relaying, coordination, protective devices
- [ ] Circuit Analysis
- [ ] Devices and Power Electronic Circuits
- [ ] Rotating Machines
- [ ] Electromagnetic Devices
- [ ] Power System Performance
- [ ] Measurement and Instrumentation
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What were your LEAST confident topics? Select 3.

☐ Measurement & Instrumentation

☐ Special Applications

☐ Devices and Power Electronic Circuits - battery, power supplies, inverters, vsd's, plc's, etc.

☐ Circuits

☐ Codes and Standards

☐ Rotating Machines

☑ Transmission and Distribution

☐ Protection

☐ Power System Performance

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Additional Comments? Words of advice?

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- 2-3 years
- 3-4 years
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- [ ] Electromagnetic Devices
- [ ] Power System Performance
- [ ] Measurement and Instrumentation
- [ ] Special Applications
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- Measurement & Instrumentation
- Devices and Power Electronic Circuits - battery, power supplies, inverters, vsd's, plc's, etc.

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Did you pass the exam? *

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- ✔ Protection - Overcurrent protection, protective relaying, coordination, protective devices
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- ✔ Devices and Power Electronic Circuits
- ❌ Rotating Machines
- ❌ Electromagnetic Devices
- ✔ Power System Performance
- ✔ Measurement and Instrumentation
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- Circuits
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☐ Measurement & Instrumentation

☐ Special Applications

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☐ Circuits

☐ Codes and Standards

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- [ ] Special Applications
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- [ ] Codes and Standards
- [ ] Rotating Machines
- [x] Transmission and Distribution
- [x] Protection
- [ ] Power System Performance
- [ ] Electromagnetic Devices

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Electrical Power PE Exam Survey - April 2017

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Did you pass the exam? *

☐ Yes
☒ No

If you did not pass the exam what was your score out of 80?

44

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

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- Power System Performance
- Measurement and Instrumentation
- Special Applications
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- [ ] Measurement & Instrumentation
- [ ] Special Applications
- [x] Devices and Power Electronic Circuits - battery, power supplies, inverters, vsd's, plc's, etc.
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- [x] Electromagnetic Devices

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- Special Applications
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- [ ] Measurement & Instrumentation
- [x] Special Applications
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- [ ] Rotating Machines
- [ ] Transmission and Distribution
- [ ] Protection
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Additional Comments? Words of advice?
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Did you pass the exam? *

- [ ] Yes
- [ ] No

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- [ ] 2-3 years
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Is this your first time taking the exam?

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- Power System Performance

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Did you pass the exam? *

- [x] Yes
- [ ] No

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Did you pass the exam? *

☐ Yes

☑ No

If you did not pass the exam what was your score out of 80?

80

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- The Art and Science of Protective Relaying
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- NFPA 70E
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- PPI Sample Exams
- Power System Analysis - Grainger
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- PPI Camara Book
- Other:  

https://docs.google.com/forms/d/1-WCayetjDXsOWnlgjUIGCqK_Yf6DUnniBX5S66Artql/edit#responses
What were your MOST confident topics? Select 3.

☐ Codes and Standards

☐ Transmission & Distribution - voltage drop, voltage regulation, power factor correction, power quality, fault current, grounding,

☐ Protection - Overcurrent protection, protective relaying, coordination, protective devices

☐ Circuit Analysis

☐ Devices and Power Electronic Circuits

☐ Rotating Machines

☐ Electromagnetic Devices

☐ Power System Performance

☐ Measurement and Instrumentation

☐ Special Applications
What were your LEAST confident topics? Select 3.

- Measurement & Instrumentation
- Special Applications
- Devices and Power Electronic Circuits - battery, power supplies, inverters, vsd's, plc's, etc.
- Circuits
- Codes and Standards
- Rotating Machines
- Transmission and Distribution
- Protection
- Power System Performance
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Additional Comments? Words of advice?

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Google Forms
Electrical Power PE Exam Survey - April 2017

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Did you pass the exam? *

- [x] Yes
- [ ] No

If you did not pass the exam what was your score out of 80?

---

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

- [ ] 2-3 years
- [ ] 3-4 years
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Is this your first time taking the exam?

- [ ] Yes
- [ ] No. This is my second time taking the exam.
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Other: ..............................................................................................................................................................................
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48

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- Rotating Machines
- Electromagnetic Devices
- Power System Performance
- Measurement and Instrumentation
- Special Applications
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- ✔ Measurement & Instrumentation
- ❏ Special Applications
- ❏ Devices and Power Electronic Circuits - battery, power supplies, inverters, vsd's, plc's, etc.
- ❏ Circuits
- ❏ Codes and Standards
- ✔ Rotating Machines
- ❏ Transmission and Distribution
- ❏ Protection
- ❏ Power System Performance
- ❏ Electromagnetic Devices

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Did you pass the exam? *

☐ Yes

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NA

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- [ ] Codes and Standards
- [x] Rotating Machines
- [ ] Transmission and Distribution
- [ ] Protection
- [ ] Power System Performance
- [x] Electromagnetic Devices

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Did you pass the exam? *

☐ Yes

☑ No

If you did not pass the exam what was your score out of 80?

42

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

☐ 2-3 years

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☐ 4-5 years

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Is this your first time taking the exam?

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- **Circuit Analysis**

- Devices and Power Electronic Circuits

- Rotating Machines

- **Electromagnetic Devices**

- Power System Performance

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Did you pass the exam? *

☐ Yes
✓ No

If you did not pass the exam what was your score out of 80?

47

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

☐ 2-3 years
☐ 3-4 years
☐ 4-5 years
☐ More than 5 years

Is this your first time taking the exam?

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☐ Protection - Overcurrent protection, protective relaying, coordination, protective devices

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☐ Devices and Power Electronic Circuits

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☐ Electromagnetic Devices

☐ Power System Performance

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- [ ] Codes and Standards
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- [x] Transmission and Distribution
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Electrical Power PE Exam Survey - April 2017

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Did you pass the exam? *

✓ Yes

☐ No

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46

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