

George Sey Jr., PE

Senior Engineer - PECO Energy

Wyndmoor, PA - Email me on Indeed: [indeed.com/r/52b0ef0c0ca4f32a](https://www.indeed.com/r/52b0ef0c0ca4f32a)

To obtain an electrical engineering position, which utilizes my existing electric utility knowledge and experience while providing an opportunity for future advancement and growth
Authorized to work in the US for any employer

WORK EXPERIENCE

Senior Engineer

PECO Energy - Philadelphia, PA - July 2010 to Present

Distribution Capacity Planning

- * Perform CYME power system modeling to analyze loading changes, distributed generation system interconnections, and significant system modifications
- * Maintain adequate electrical capacity for assigned substations, and resulting distribution circuits, within Philadelphia, Chester, and Bucks counties
- * Prepare engineering designs to address undesired system conditions due to forecasted and real-time loading, power quality, system configuration, etc.
- * Lead technical presenter for various subject matters within power engineering for internal PECO presentations, as well as external PDH-based educational seminars
- * Member of Exelon Utilities Distribution Planning Peer Group, collaborating with ComEd and BGE representatives to achieve alignment and best practices
- * Lead Utility Distribution Design Engineer on PECO Microgrid team developing multiple conceptual utility-scale microgrid pilot designs within service territory
- * PECO Energy Program Advisor for EPRI Program P174 (Integration of Distributed Energy Resources)
- * Selected as one of 2015 Exelon Emerging Leaders Program participants identified for management potential based on historical performance

Distribution System Dispatcher II

PECO Energy - Plymouth Meeting, PA - June 2006 to July 2010

Operations Control Center

- * Monitored and maintained the electrical integrity and power capacity of the distribution system within the City of Philadelphia
- * Authored and executed clearance orders to upgrade, repair, or modify existing electrical circuit configurations within the City of Philadelphia
- * Managed multiple field crews in an effort to complete scheduled tasks while also restoring power to damaged circuits as quickly as possible

Field Engineer

TesTex, Inc - Bensalem, PA - July 2005 to June 2006

Performed eddy current and other electromagnetic NDT procedures on various refinery equipment

- * Authored detailed reports upon analysis of collected waveforms

C++ Programming Tutor

Pennsylvania State University - Abington, PA - January 2002 to May 2002

Tutored fellow students on campus in C++ computer programming language during my sophomore year

EDUCATION

Master of Engineering in Systems Engineering

Pennsylvania State University - Malvern, PA

2009 to 2011

Bachelor of Science in Electrical Engineering

Pennsylvania State University

2000 to 2004

ADDITIONAL INFORMATION

PROFESSIONAL SKILLS/QUALIFICATIONS

- * PA State Licensed Professional Engineer
- * Current NCEES Record available to streamline comity licensure application(s)
- * Experienced with load flow, short circuit (symmetrical components), and contingency analyses
- * Proficient in Microsoft Windows/Office, Matlab, CIMS, OMS, CYME, OpenDSS, PSS/E, GT Viewer, and Passport (Portal/J)
- * Knowledgeable of NEC, NESC, ANSI, UL 1741, and various IEEE standards/codes

RELEVANT COURSEWORK BACKGROUND

SysEng 533 - Deterministic Models and Simulation

SysEng 536 - Decision and Risk Analysis in Engineering

SysEng 531 - Probability Models and Simulations

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