



ANDREW YOUNG

Electrical Engineer

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PROFILE

Lead electrical engineer with 17 years across utility-scale renewables, BESS integration, and substation design. PE in five states. Runs design teams of 8 to 14, owns interconnection schedules, and has stamped over \$180M in project work.

KEY SKILLS

- Substation design (transmission and distribution)
- BESS and inverter-based resource integration
- ASPEN OneLiner, CDEGS, PSS/E
- ETAP, SKM, EasyPower
- SEL relay settings and coordination
- Utility interconnection (BPA, PacifiCorp, BPA TPL)
- SCADA and protection scheme design
- IEEE 1547, NERC PRC standards
- Team leadership (8 to 14 engineers)
- Project budgeting and resource planning

PROFESSIONAL EXPERIENCE

Lead Electrical Engineer, Renewables

Cascadia Grid Partners, Portland, OR | 2020 - Present

- Lead electrical engineer on a 220 MW solar plus 80 MWh storage project from preliminary design through COD; energized 6 weeks ahead of contractual milestone.
- Manage a team of 12 EEs and designers across two offices; built the load-flow review process that knocked late-stage drawing revisions down by roughly half.
- Own utility interconnection coordination with BPA and PacifiCorp, including SCADA points lists and protection settings.
- Set internal standards for 34.5 kV collection system design now used on every Cascadia project.
- Sit on the technical review board for go/no-go decisions on projects above \$25M.

Principal Electrical Engineer

Ironwood Substation Engineering, Boise, ID | 2016 - 2020

- Stamped substation physical and protection designs for 115 kV and 230 kV projects across the Mountain West.
- Led the SEL relay settings practice; standardized templates cut settings-calc time per breaker by about a third.
- Mentored five engineers to PE licensure during tenure.
- Served as client-facing lead on three utility frame agreements totaling \$48M.
- Reviewed and red-lined all relay coordination studies leaving the office.

Senior Electrical Engineer

Ironwood Substation Engineering, Boise, ID | 2013 - 2016

- Designed AC and DC station service, control buildings, and grounding for 7 substation projects.
- Performed ground grid analysis in CDEGS and protection coordination in ASPEN OneLiner.
- Acted as engineer of record on smaller distribution substations after licensure.
- Trained the office on a new ASPEN workflow that became firm standard.

Electrical Engineer

Highline Power Consultants, Salt Lake City, UT | 2010 - 2013

- Designed distribution feeder relocations and reconductoring packages for two municipal utilities.
- Built fault studies and arc-flash labels for a regional cooperative covering 1,400 miles of line.
- Walked feeder routes with the operations crew to validate field conditions against drawings.
- Passed PE exam during second year on the job.

Electrical Engineer in Training

Highline Power Consultants, Salt Lake City, UT | 2008 - 2010

- Drafted one-lines, schematics, and conduit schedules under PE supervision.
- Supported relay testing field trips and logged test results.
- Built the firm's first internal NEC training series for new hires.
- Completed manufacturer training on SEL-351 and SEL-487 relays.

EDUCATION

M.S. Electrical Engineering, Power Systems, University of Utah, 2010

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B.S. Electrical Engineering, Oregon State University, 2008

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Professional Engineer (PE), Electrical, OR, WA, ID, UT, MT

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IEEE Senior Member

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