



Exponent[®]
Engineering & Scientific Consulting

Tori Evins

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Professional Profile

Ms. Evins has over ten years of experience in the project management, design and construction of energy-efficient facilities and utility infrastructure projects. With experience working at design-build and consulting firms, she has been involved in all phases of construction projects including planning, cost and change control, CPM scheduling, engineering design, permitting, procurement, bid and award, contract management and execution, and project closeout.

Ms. Evins has advised clients on topics ranging from advance building systems, construction management best practices, code compliance, project controls, and life-cycle cost analysis.

As an Exponent consultant, Ms. Evins has provided project management and project control services to large utility clients. In this role as project manager, she has been responsible for developing and leading the complete project lifecycle for electric transmission relocation projects, as well as interconnection projects for new solar energy generation facilities. She has experience in maintaining quality and cost control by collaborating with multi-disciplinary teams and establishing robust project resource-loaded schedules.

Additionally, Ms. Evins has provided data management and analysis support for construction disputes related to delay claims. She has assisted in the evaluation of as-planned and as-built project schedules, critical path activities, and contemporaneous records.

Prior to joining Exponent, Ms. Evins' diverse construction project experiences included large-scale municipal LED street lighting, net-zero energy buildings, emerging technologies and advanced building systems research for the US Department of Energy, and building and energy code measurement and verification.

Academic Credentials & Professional Honors

B.S., Civil Engineering, University of the Pacific, 2009

Licenses and Certifications

LEED Green Associate

Prior Experience

Construction Project Manager, GFL Consulting, 2020-2021

Senior Project Manager, Tanko, 2018-2020

Project Engineer, Cadmus Group, 2012-2018

Research Engineer, ConSol, 2009-2012

Senior Engineering Asst., San Joaquin County Public Works: Water Resources Dept., 2008

Engineer Intern, Kjeldsen, Sinnock & Neudeck, 2006

Research Assistant, University of the Pacific: Planning and Research Dept, 2004-2006

Professional Affiliations

Project Management Institute (PMI)

Publications

Role of Appraisals in Energy Efficiency Financing Report, Department of Energy. 2012 May. Report No.: DOE/GO-102012-3553. <http://www.nrel.gov/docs/fy12osti/54329.pdf>

Presentations

Evins, V. Hung, W. Hakam, S. "Managing Construction Industry Challenges through Information Management." Western Winter Workshop. March 2024.

Post-Occupancy Evaluation to Demonstrate LEED Energy Savings, Presented at GreenBuild Conference in Washington, DC in November 2015.

Low-Cost, Smart-Grid Ready Solar Re-roof, Presented at American Solar Energy Society (ASES) Conference in Denver, CO in May 2012.

Project Experience

Utility Infrastructure

Electric Transmission Infrastructure – Served as project manager for all phases of electric transmission interconnection projects for new photovoltaic solar power generation facilities, as well as electric transmission infrastructure relocation projects. Coordinated over ten concurrent construction projects while maintaining quality and cost control across multiple contractors and trades.

Street Lighting Infrastructure – Led turn-key LED streetlighting retrofit construction projects for municipalities and utilities nationwide. Designed and managed industry-leading solutions for retrofitting obsolete equipment. Coordinated several concurrent multi-million-dollar large-scale construction projects by working closely with stakeholders and leading multi-disciplinary teams through engineering, procurement, and construction.

Emerging Technologies

Net Zero Energy Building – Led the building system design and implementation of a net-zero energy residential community. Evaluated and field-tested innovated technologies, modeled building systems, generated package improvements, collaborated with manufactures on product design and construction improvements, led construction best practice trainings, supported developers contract awards process, provided on-site oversight for install of advanced building systems.

Microinverter Solar PV System - Oversaw solar research projects, including the installation and field-testing of microgrid solar photovoltaic retrofit products on six occupied single-dwelling residential units. Modeled and evaluated load performance, assessed utility grid impacts, and performed life-cycle cost analysis.

Building Systems

Commissioning - Provided building commissioning services. Drafted building system commissioning plans; evaluated building plans and equipment submittals; outlined sequence of operations; drafted and performed functional testing; tracked issue logs; coordinated with subcontractors; and communicated results in detailed commissioning reports.

Building Audits - Performed ASHRAE Level I-III energy audits of over 170 nonresidential facilities within four years. Assessed construction method and building systems; installed, monitored, and collected data loggers; evaluated meter data, as well as utility bill data. Conducted engineering analysis of ex ante and ex post building energy consumption and demand calculations. Produced energy audit reports, outlining retrofit construction best practices, energy reduction measures, and demand response opportunities.