

Hercules Project Team Resumes



Kelly Fergusson, PhD, PE, LEED AP

Senior Business Development Manager

Kelly assists public sector clients in Northern California in identifying energy efficiency infrastructure improvements and facility modernization built upon savings generated from the improvements. She works with clients to assess their goals, review various financing structures, and coordinates project financing activities to move the project forward.

Years of Experience: 32 years

Education:

PhD, Civil Engineering, Stanford University, Palo Alto, CA
 MS, Civil Engineering, Stanford University, Palo Alto, CA
 BS, Applied Earth Sciences, Stanford University, Palo Alto, CA

License(s)/Registration(s):

Registered Professional Civil Engineer – California
 Leadership in Energy and Environmental Design Accredited Professional (LEED AP) – U.S. Green Building Council

Relevant Experience:

Contra Costa County: Phase One: Evaluated over 30 sites for solar potential. Developing and presenting financial analysis to staff and Contra Costa County Board of Supervisors. Developing financing solution to meet financial criteria of both executive staff and Board Members.

Contra Costa County: Phase Two: Evaluated site adjacent to new administration building sites for solar and new building's net zero energy potential. Developed and presented financial analysis. Contact for post-construction services and guarantee.

Alameda County Fairgrounds: Guided development of comprehensive energy program for Fairgrounds site in Pleasanton.

City of Suisun City: Guided development of comprehensive energy program including city-wide streetlights, sports field lighting, and five solar sites.

Oakland Unified School District: Guided development of comprehensive energy program for 20 school sites resulting in design/build project scope.



Steven Ramirez, LEED AP

Operations Manager

Steve oversees a team of project engineers, project managers, and construction managers. Under his direction, project engineers perform energy conservation measure (ECM) surveys and feasibility studies, including lighting, HVAC, water resource management, and solar PV, which are then used to prepare detailed comprehensive reports for customers.

Years of Experience: 20+ years

Education:

BS, Electrical Engineering, California Polytechnic State University

License(s)/Registration(s):

Leadership in Energy and Environmental Design Accredited Professional (LEED AP) – US Green Building Council

Relevant Experience:

City of Yuba City – Phases I & II: Operations Manager. Energy management system installation, interior/Exterior lighting retrofits, HVAC retrofits, solar thermal system, WWTP pump replacement, DAS monitoring, 3+ MW of solar PV, and 750 kW battery storage

City of Fremont: Operations Manager. Comprehensive energy efficiency and water savings audit program, including retrofitting city-wide streetlights and park lights to LED, interior/exterior lighting upgrades at various city buildings, city-wide restroom fixture upgrades, city-wide irrigation control upgrades, and solar thermal heating and pump VFDs installation at the Water Park

City of Grass Valley, CA: \$4.9M ground mount and canopy PV system installation, City Hall roof replacement, streetlight and traffic signal upgrades, mechanical upgrades, solar thermal system, and pool cover

Sutter County: Operations Manager. \$10M Comprehensive energy efficiency and solar PV project that included energy management systems, HVAC, water conservation measures; and lighting



Paul Johnson, PE, LEED AP
Vice President of Operations, West

Paul is responsible for all engineering and project management construction management personnel in California. He manages project teams that perform evaluation, development, design, and implementation of energy projects. His extensive experience includes governmental, commercial, and educational facilities. Paul also creates innovative yet economically sound opportunities for customers.

Years of Experience: 30+ years

Education:

MBA, Golden Gate University, San Francisco, CA
BS, Mechanical Engineering, University of Minnesota, MN

License(s)/Registration(s):

Registered Professional Engineer – California
Leadership in Energy and Environmental Design Accredited Professional (LEED AP) – US Green Building Council

Relevant Experience:

City of Livermore: Operations Manager: Auditing, design, and implementation of efficiency and 1.22 MW solar generation projects at multiple facilities city-wide

City of Salinas: Operations Manager: Auditing, design, and implementation of efficiency and solar generation projects at multiple facilities city-wide

City of Benicia: Operations Manager: Auditing, design, and implementation of efficiency and 1.65 MW solar generation projects at multiple facilities city-wide

City of Patterson: Operations Manager: Auditing, design, and implementation of efficiency and 1.12 MW solar generation projects at multiple facilities city-wide

Santa Clara County: Project Manager: Auditing, design, and implementation of efficiency and generation projects at multiple facilities county-wide



Stanley Wong, PE, CEM, LEED AP
Lead Mechanical Engineer

Stanley performs energy audits, and identifies ECMs related to HVAC, plumbing, lighting, and solar design. He calculates utility cost savings; assists in construction management activities, utility rate structure analysis, and incentive analysis and documentation; surveys PV arrays; and locates, designs, and calculates production. He also analyzes system design and equipment specification alternatives to optimize output, project cost, and scheduling.

Years of Experience: 18 years

Education:

BS, University of California at Berkeley, Berkeley, CA

License(s)/Registration(s):

Registered Professional Mechanical Engineer – California
Registered Certified Energy Manager
LEED Professional Accreditation

Relevant Experience:

City of Yuba City: Reviewed mechanical design drawings and control drawings from contractors and provided assists and recommendations during commissioning process

Merced County: Lead Project Engineer. Installation of 1.88 MW of solar PV at two (2) sites, LED retrofits of 2,828 county-owned streetlights, interior/exterior LED lighting retrofits at nine sites, HVAC upgrades at six (6) sites, and plumbing efficiency/controls at two (2) sites

Alameda County Fairgrounds: Lead Project Engineer: performed energy analysis and design of 1.06 MW solar PV parking canopies and roof solar for the County. Provided energy modeling and HVAC re-design on for the Exhibition/Convention Building.



Caren Perlmutter
Community Impact Manager

Caren has 12 years of experience in Community Impact program design and development. Caren works with partner cities, counties, and special districts to design and implement community engagement and workforce development programs that educate residents about the importance of sustainability and provide real-world, hands-on STEM opportunities for local youth.

Years of Experience: 12 years

Education:

MPA, Environmental Science and Policy, Columbia University, New York, NY

MBA, Environmental Management, Yale University, New Haven, CT

BA, History, Yale University, New Haven, CT

Relevant Experience:

City of Salinas, CA: Created Internship program in conjunction with Hartnell College

City of Gonzales, CA: Designed and facilitated hands-on solar-themed classroom visit to Gonzales High School

City of King City, CA: Created and facilitated customized hands-on experiences for the City's annual Pool Opening Celebration that connected sun safety with solar energy concepts

City of Waterford, CA: Designed and facilitated a hands-on activity center for the City's Annual Heritage Festival and accompanying Parade that engaged hundreds of residents

Hartnell College, CA: Guided Hartnell students through construction of their own STEM-focused hands-on activities as part of project's education program

Oak Grove School District, CA: Design professional development workshops and community engagement activities for district teachers



Angela Seitz
Director of Project Finance

Angie assists public sector clients across the country in identifying funding for renewable energy and energy efficiency infrastructure improvements and facility modernization built upon savings generated from the improvements. She works with clients to assess their goals, review various financing structures, and coordinate project financing activities to move the project forward.

Years of Experience: 20 years

Education:

MPP, University of Chicago, Chicago, IL (concentration in Public Finance)

BA with Honors, University of Nebraska, Lincoln, NE

Relevant Project Experience:

Northern California Municipalities:

- City of Fremont
- City of Greenfield
- City of Gonzales
- City of King City
- City of Yuba City
- City of Marysville
- County of Merced
- South San Francisco Unified School District
- Contra Costa County Fire Protection District
- Monterey Peninsula Airport Solar Project
- Escalon Unified School District
- Monterey Peninsula Regional Airport
- Cosumnes Community Service District