5. Project Summaries and Project Cost and Quality Control

Project Summaries

Projects similar in nature to this project have been described above in section 2. Qualifications. Key projects have been highlighted in the project summaries below.

Quality Control, Budget and Schedule Control

Project management is a core competency at CSE. Our organizational structure and staffing are designed to maximize effective management and implementation of complex energy projects and programs. This project will be within CSE's programs department and will benefit from support of a formal Project Management Office (PMO) that is aligned with industry best standards defined by the Project Management Institute (PMI). From project initiation through all five project phases including project close our team will follow established professional project management principles, including dedicated and accountable staff, tracking of goals and metrics, strict budget control and ongoing client reporting. The project team will meet regularly to measure progress on contract deliverables and engage SBCOG, partners and other stakeholders to ensure work products and deliverables are high quality and on time. Much of the work under Task 2 and Task 3 will be completed by existing Standard Operating Procedures (SOPs) that have been designed with quality control steps, such as early escalation of issues and mandatory review gates for deliverables.

San Joaquin Valley PEV Implementation Project

Client
San Joaquin Valley Air Pollution Control District (SJVAPCD)

CSE Role
Subcontractor

Percentage of Work CSE Responsible For: 100%

Location: Central Valley

Duration: 2012-2017

Total Cost: $600,000

Adherence to Schedule/Budget
Yes

Client Contact Information
Colette Kincaid
(559) 230-5814
Colette.kincaid@valleyair.org
http://www.valleyair.org

Project Summary
The San Joaquin Valley Air Pollution Control District and CSE launched Valley Takes Charge! to implement PEV awareness and training programs in the San Joaquin Valley as identified in the Air District's Readiness Plan. Funded by the CEC, this project supports local governments by raising awareness of PEVs and their benefits with decision-makers, providing targeted training and toolkits for local governments to be PEV ready, and training local electricians to be ready to meet the increasing demand of EVCS installations.

Working with the San Joaquin Valley Air Pollution Control District (SJV APCD), CSE developed a comprehensive plug-in electric readiness plan that identifies, reduces and resolves barriers to the widespread deployment of private and public EV charging stations in the region. Efforts included creation of best practices and educational materials that address updating zoning and parking policies, streamlining permitting and inspection processes and updating building codes for electric vehicle infrastructure. CSE also developed regional market reports on electric vehicle adoption, regional use of clean vehicle incentives and the air quality and economic impacts of regional adoption of electric vehicles, and provided a detailed regional charging station siting analysis locating optimal locations for public charging infrastructure in the Central Valley. This siting analysis resulted in multiple funding awards for the region to deploy infrastructure.

Key Project Deliverables
- EVCS Permitting & Inspection Best Practices Report
- EVCS Installation Best Practices Report
- EVCS Permitting & Inspection Website Language for local goverments
- Regional Workshops for local governments
- EV Charging Installation Training
- Permitting Toolkits and Hotline

Scope of Services Area Addressed
The Readiness Plan and siting analysis informed the areas of focus for Valley Takes Charge! and the end-users of this program's resources. Implementation work has focused on providing trainings for building officials on streamlined permitting of EV infrastructure, engagement with electrical installers to increase knowledge on infrastructure installations, and awareness activities aimed at decision makers.

San Diego Plug-In Electric Vehicle (PEV) Readiness Plan and Implementation Project ("Plug-In SD")

Client
San Diego Association of Governments (SANDAG)

Project Team
Andy Hoskinson
Marissa Spata
Kevin Wood
Candace Chu

CSE Role
Subcontractor

Percentage of Work CSE Responsible For: 100%

Location: San Diego Region (all 19 jurisdictions, electrical contractors, and EV dealerships)

Duration: 2015-2020

Total Cost: $600,000/ $425,000 awarded to CSE

Adherence to Schedule/Budget
Yes

Client Contact Information
Allison Wood, SANDAG
(619) 699-1973
allison.wood@sandag.org
www.sandag.org/energy

In 2015, the San Diego Association of Governments (SANDAG) received funding from the California Energy Commission (CEC) to streamline electric vehicle charging station (EVCS) permit processes, further the knowledge about EVCS installations and increase PEV awareness among local governments, contractors, multi-unit dwelling (MUD) and workplace building owners, and EV dealerships in support of continued growth of PEVs in the region. With this funding, the Center for Sustainable Energy was contracted to implement the recommendations of CSE's 2013 San Diego Region PEV Readiness Plan, and provide recommendations for San Diego's aforementioned stakeholders to prepare for increased PEV deployment and EVCS installations.

Key Project Deliverables

- EVCS Permitting & Inspection Best Practices Report
- EVCS Installation Best Practices Report
- EVCS Permitting & Inspection Correction Lists
- EVCS Installation Checklists
- EVCS Permitting & Inspection Website Language for local goverments
- Subregional Workshops for local governments (to distrubute developed resources)
- EVCS siting and "PEV 101" presentation for MUDs and Workplace Seminars
- On-call EV Expert Technical Assistance
- EV Expert Effectiveness Survey
- EV Dealership Brochure

Scope of Services Area Addressed
CSE's 2013 PEV Readiness Plan and siting analysis informed the areas of interest for Plug-In SD and the end-users of this program's resources. These areas of interests include permitting and building codes, installations and inspections, general PEV awareness through MUD, and workplace and dealership engagement.

Results/Outcomes
The project launched in July 2015 and continuation funding was secured for another three years in 2017.

Clean Vehicle Rebate Project (CVRP)

CLEAN VEHICLE REBATE PROJECT℠

Client
California Air Resources Board

CSE Role
Prime

Percentage of Work CSE Responsible For: 100%

Location: California

Duration: 2009 - present

Total rebate funding:
$472,688,222
Total admin funding:
$13,973,161

Client Contact Information
Sara Dastoum
(916) 323-1696
sara.dastoum@arb.ca.gov
http://www.arb.ca.gov/

Project Summary
Funded by the California Environmental Protection Agency's Air Resources Board (ARB) and administered state-wide by CSE, CVRP provides rebates of up to $7,000 for the purchase or lease of zero-emission and plug-in hybrid light-duty vehicles. CVRP encourages technologies and innovations that provide immediate air pollution emission reductions and that stimulate development and deployment of sustainable transportation.

Key Project Deliverables
- Provide education and outreach on the clean vehicle market through web resources, print materials, and statewide community events to consumers and stakeholders
- Establish eligibility for and disburse rebate payments to consumers who purchase or lease eligible clean vehicles

Scope of Services Area Addressed
Providing outreach and educational information on the clean vehicle market to California residents. Administering rebates to eligible vehicle owners.

Results/Outcomes
Since 2009, CSE has distributed over $472M in rebates to over 214,000 vehicle owners, fleet operators, and businesses in California. In 2014 EVs made up almost 3% of new comparable light-duty vehicle sales in California[1]. CSE increased the project's outreach component by attending successful events throughout the state such as Earth Day gatherings, auto shows, PEV ride and drives, and other public venues. CSE also held informative webinars on a quarterly basis to help dealers understand how the rebate project works and how they can help their customers take advantage of it.

[1]Santulli, C., & Williams, B. (2015). "CVRP Implementation Status Update," Presentation to CVRP Long-Term Planning Workshop, 8 December, Sacramento, CA. Retrieved from http://www.arb.ca.gov/msprog/aqip/cvrp/120815_cvrp_workshop_presentation_cse.pdf

CVRP Influence on Adoption Analysis

CALIFORNIA CLEAN VEHICLE REBATE PROJECT™

Client
California Air Resources Board

Project Team
Clair Johnson, Brett Williams

CSE Role
Prime contractor

Percentage of Work CSE Responsible For: 100%

Location: San Diego, CA

Duration: 2016–2017

Project Summary
CSE conducted regression analyses on CVRP consumer survey data that explored how vehicle, transactional, and consumer characteristics were related to: 1) whether consumers identified the CVRP rebate as essential to their purchase/lease of an electric vehicle (EV), and 2) consumer interest in EVs at the beginning of the shopping process. CSE used the results of the analyses to develop consumer profiles helpful for targeted outreach efforts.

Key Project Deliverables
- Collection, cleaning, and analysis of survey data
- Multiple presentations with EV market stakeholders
- Paper published in the Transportation Research Record

Scope of Services
On an ongoing basis, CSE provides expertise on survey design, administers the CVRP consumer survey, and utilizes quality control procedures to ensure that survey data are high quality. CSE built on this foundation to conduct a robust analysis and provide thorough documentation that made the results accessible to stakeholders while ensuring their responsible use.

Results/Outcomes
Through a published paper and multiple presentations, CSE shared the results of the analysis with program staff, program funders, and other external stakeholders. In this way, CSE demonstrated a commitment to optimizing the programs it administers, while also contributing to broader conversation to promote the EV market. CVRP outreach teams utilized the results of the analysis to inform a strategic outreach plan for fiscal year 2016-2017.

Bear Valley Transportation Electrification Program

Client
Bear Valley Electric Service

Project Team
Trevor Wilson, Clean Transportation Staff

CSE Role
Prime contractor

Percentage of Work CSE Responsible For: 100%

Location: San Bernardino County, CA

Duration: 2017 - 2018

Total Project Budget: $93,000

Client Contact Information

Paul Marconi, Director
866.4678 x100
Paul.Marconi@bves.com
https://www.bves.com/

Project Summary
A key component to greater EV adoption in California is establishing their reliability for vacation and recreation travel outside of urban centers to rural and mountainous areas.

This project for the Bear Valley Electrical Service in San Bernardino County introduces public charging infrastructure and favorable utility rates in a major recreational destination within driving range for millions of visitors living in a South Coast air basin with severe pollution.

Key Project Deliverables
- Development and documentation of program design
- Case study review
- Outreach materials
- Final program recommendations report

Scope of Services
CSE is directing two pilot programs to demonstrate the effectiveness of providing incentives for make-ready EV charging infrastructure at recreation destinations and time-of-use electricity rates for EV owners as well as public education, marketing and outreach.

6. Past Public Sector Clients

As Prime recipients of eight grant agreement awards with the California Energy Commission valued at over $29.3M, CSE has extensive experience working with the Energy Commission to deliver highly successful research and demonstration and technology deployment projects. As such, we are well-versed in the nuances of Energy Commission contracting, the reporting and invoicing requirements and the importance of close coordination and communication with the Contract Award Manger (CAM). We currently partner with SANDAG and San Joaquin Valley Air Pollution Control District to deliver implementation planning technical support as part of their Energy Commission Zero-Emission Vehicle Regional Readiness and Planning grand awards.

CSE Public Sector Clients

- US Department of Energy
- California Air Resources Board
- California Energy Commission
- California Public Utilities Commission
- Massachusetts Executive Office of Energy and Environmental Affairs
- New York State Energy Research & Development Authority
- State of Connecticut Department of Energy & Environmental Protection
- Pacific Gas & Electric
- Southern California Edison
- Pacific Power
- Los Angeles Department of Water and Power
- Bay Area Air Quality Management District
- Bay Area Rapid Transit (BART)
- County of Los Angeles
- County of San Diego
- Metropolitan Transportation Commission
- Pasadena Water and Power
- Rancho California Water District
- Bear Valley Electric Service
- San Diego Association of Governments (SANDAG)
- San Diego Gas & Electric
- San Joaquin Valley Air Pollution Control District
- Sonoma Clean Power
- Southern California Public Power Authority
- City of Chula Vista
- City of San Diego
- City of Palo Alto
- City of Del Mar
- City and County of San Francisco
- County of Sonoma
- Port of Long Beach

- Port of San Diego
- San Diego Regional Airport Authority
- San Diego Unified School District

Rincon Public Sector Clients

- Alameda-Contra Costa Transit District
- Butte County Association of Governments
- California State University, Office of the Chancellor, Land Use Planning and Environmental Review
- City of Antioch, Community Development Department
- City of Berkeley Planning and Development
- City of Concord, Planning and Development
- City of Gilroy Community Development Department - Environmental Review
- City of Lincoln, Community Development Department
- City of Manteca, Public Works Department – Engineering Division
- City of Merced, Public Works
- City of Palo Alto, Planning and Community Environment
- City of Redding, Environmental Services
- City of Redwood City, Community Development
- City of Sacramento, Source Water Protection Consultation, Department of Utilities
- City of San Leandro, Planning Services Division of the Community Development Department
- City of San Ramon, Planning/ Community Development
- City of Shasta Lake, Environmental Services
- City of Turlock, Development Services Department
- County of Monterey, Public Works
- County of Monterey, Resource Management Agency
- County of San Benito, Public Works
- County of Santa Cruz, Public Works
- County of Tuolumne, Community Development Department
- County of El Dorado, Community Development Agency, Long Range Planning
- Napa County Transportation Planning Agency
- San Francisco Mayor's Office of Housing and Community Development
- San Joaquin Council of Governments
- Stanislaus Council of Governments

7. Proposed Public Outreach Plan

Every effective plan requires an integrated public outreach plan to effectively raise awareness of the goals of the plan, educate market actors sufficiently to build confidence necessary to act and inspire them to action. As such, CSE and Rincon have fully integrated the proposed public outreach plan within the scope of work, specifically within Tasks 2.2 and 3.1. While the outreach approach proposed in Task 2.2 more obviously fits as typical elements of a public outreach plan, the formation and engagement of a working group (as described in Task 3.1) is also a key element of the plan. Engaging with working group members across a variety of sectors within Central Sierra begins socialization of the plan before it is complete, and working group input into the plan will shape the language and message of the plan to better resonate with businesses and organizations in Central Sierra. Finally, members of the working group may either become or help identify key "champions" that are noted in Task 2.2 as part of the overall outreach strategy.

Appendix A – Resumes

Andrew Hoskinson

Senior Project Manager, EV Initiatives

Education & Training

- M.B.A., San Diego State University
- B.A., Urban Studies and Planning, University of California San Diego

Office Location

9325 Sky Park Court, Ste 100,
San Diego, CA 92123

Andrew Hoskinson is Senior Project Manager for Electric Vehicle (EV) Initiatives at the Center for Sustainable Energy, where he leads a team of professionals developing and delivering highly actionable electric vehicle policy, plans and studies. He brings a background of more than 16 years' experience in program and project management focused on a variety of sustainability issues, and strong expertise in EV infrastructure market development. Andrew earned an M.B.A. from San Diego State University, and a B.A. in Urban Studies and Planning from the University of California at San Diego.

Andrew brings more than 16 years of experience in program and project management, as well as a strong background in market development for EV infrastructure in the San Diego region.

Center for Sustainable Energy, San Diego, CA
Senior Project Manager, EV Initiatives (2016–present)

- Leading a team of subject matter experts in developing and implementing electric vehicle charging policy and infrastructure planning at regional, local and property specific levels.
- Managing electric vehicle charging technology development projects, alternative fuel education and implementation projects.
- Participating advisory committee member on investor owned utility electric vehicle charging infrastructure programs.
- Developing and implementing dealer engagement strategy; managing dealer outreach team; establishing, maintaining and leveraging OEM and new car dealer association relationships; and managing development and distribution of all dealer support resources for the Clean Vehicle Rebate Project.

NRG EVgo, San Diego, CA
San Diego Market Manager (2013 –2016)

- Led electric vehicle infrastructure development in the San Diego region.
- Designed hundreds of electric vehicle infrastructure installations for multi-unit dwelling, commercial, and retail partners, balancing company interests with host needs and property and utility limitations.
- Identified and executed on new business opportunities through legislative and regulatory policy review.

ECOtotality, San Diego, CA
San Diego Area Manager (2010 –2013)

- Developed and implemented a market development strategy for EV Project's electric vehicle infrastructure in the San Diego region.
- Formed and led a multi-organizational group comprised of government, utilities, and private sector business to usher in electric vehicles and electric vehicle infrastructure in the San Diego region.
- Led strategic early market development activities preparing and executing overall outreach strategy for electric vehicle infrastructure development with residential, commercial, institutional, governmental, and retail partners.

Hofman Planning & Engineering, San Diego, CA
Senior Planner to Principal Planner (2006 –2010)

- Lead project management responsibilities for pre-construction design, development and permitting of institutional, medical, retail, office and hospitality development projects.
- Prepared various complex planning studies and development projects (e.g. land use studies, development impact fee programs, etc.).

City of National City, National City, CA
Planning Technician to Associate Planner (2000 –2006)

- Led a small team of planners in carrying out current planning responsibilities for a city with a diverse mix of residential, industrial, and retail uses.
- Prepared staff reports, departmental policy documents, public information handouts, internal process documents, client/public/inter-agency correspondence, and land use plans.

Kevin Wood

Clean Transportation Specialist

Education & Training

- M.A., Urban Planning, Sol Price School of Public Policy, University of Southern California
- B.A., Political Science, University of California, San Diego

Office Location

9325 Sky Park Court, Ste 100, San Diego, CA 92123

Kevin works with a diverse group of public and private stakeholders to expand infrastructure and increase the use of alternative fuels in the region. Kevin also performs outreach and analysis to help fleet operators and consumers make informed decisions about vehicle and fuel options. Kevin previously worked as a Transportation Planner and has extensive experience with local government sustainability initiatives with San Diego Association of Governments and the City of Los Angeles.

Kevin has a decade of experience in transportation planning, alternative fuels, and outreach and analysis to help fleet operators and consumers make informed decisions about vehicle and fuel options.

Center for Sustainable Energy, San Diego, CA

Clean Transportation Specialist (2017-present)
Project Manager (2013–Present)

- Lead fleet efforts for the Clean Vehicle Rebate Project (CVRP). Develop program structure and metrics to support deployment of clean vehicles by public agencies. Provide information and analysis on CVRP eligible vehicle technologies. Ensure compliance in rebate issuance. Complete regular reporting and program evaluation.
- Manage alternative fuel market development under California Energy Commission and U.S Department of Energy programs. Execute barrier reduction initiatives, including market assessment, best practices development, training coordination and technical assistance.
- Coordinator of the San Diego Regional Clean Cities Coalition, a partnership of public, private, and non-profit organizations dedicated to increasing the deployment of alternative fuel vehicles in the San Diego region as part of the U.S. DOE's Clean Cities Program. Manage education programs targeted to fleets and consumers, including events, web, and social media-based outreach. Collect

data on alternative fuel vehicle adoption and analyzed fuel pricing trends.

Associate Program Manager, Transportation (2011-2013)

- Supported alternative fuel vehicle conversion among San Diego International Airport's ground transportation fleets. Establish industry partnerships, and offered guidance and outreach on vehicle technologies, infrastructure, regulatory requirements.
- Provided municipal fleets with analysis quantifying the fuel savings and environmental benefits of alternative fuel adoption as part of SANDAG's Energy Roadmap program. Used fleet-specific data to identify the most suitable duty cycles for alternative fuel vehicles and opportunities for vehicle deployment as part of normal procurement processes.
- Worked with a large public sector fleet to develop greenhouse gas emissions inventory. Developed green fleet plan with scenarios to reduce fleet emissions through adoption of alternative fuels. Identified ROI for infrastructure and vehicle deployment under different scenarios.

Alta Planning + Design Inc., San Diego CA

Transportation Planner (2010-2011)

- Developed non-motorized transportation plans for municipalities and universities including research, writing, and document production/editing.
- Analyzed travel data and trends to identify priorities for infrastructure investment. Modeled emissions reductions from modal shifts and performed basic mapping tasks in GIS.
- Managed public outreach for planning efforts. Organized public workshops, developed displays and handouts, created and maintained project websites. Developed and administered travel surveys and analyzed results.

City of Los Angeles, Environmental Affairs Department, Los Angeles, CA

Sustainability Programs Assistant (2008-2010)

- Responsible for development of framework sustainability plan for the City of Los Angeles. Researched best practices from other jurisdictions and analyzed existing city policy in the areas including fleet management, energy efficiency, water usage, recycling, and green economy. Developed metrics to track progress towards sustainability goals.
- Organized and facilitated meetings for the Sustainability Task Force and updated the framework plan to incorporate feedback from experts and policymakers.
- Assisted with the formation and distribution of an RFP and supporting materials for the Certified Green Business Program to recognize businesses exceeding environmental standards.

San Diego Association of Governments, San Diego CA

Environmental Programs Assistant (2007-2008)

- Performed research for Regional Climate Action Plan, Alternative Fuels Toolkit, other planning projects; developed regional guidelines for alternative fuel vehicle and infrastructure deployment.
- Managed public outreach for the Coastal Regional Sediment Management Plan.
- Supported CEQA/NEPA review of Regional Transportation Planand other programs.
- Assisted in writing federal environmental grants. Administered state grants for non-profits doing community planning work, including budgeting and reporting requirements.

Brett Williams, MPhil(cantab), PhD

Principal Advisor,
Clean Transportation

Education & Training

- Postdoctoral Scholar, Transportation Sustainability Research Center, University of California, Berkeley
- Ph.D., Transportation Technology & Policy, University of California, Davis
- Business Development Certificate, Graduate School of Management, University of California, Davis
- M.Phil. (1st equiv. thesis), Environment & Development, Cambridge University
- B.A. (thesis with distinct) , Physics/ Public Policy Analysis, Pomona College

Office Location

San Diego Headquarters

Professional Affiliations

Member of Transportation Research Board Alternative Fuels Committee

Brett is a researcher, speaker, teacher, and adviser with training from universities in the U.S. and U.K. and a mixed science/technology, innovation, and policy perspective. He has worked for two decades with leading companies, government agencies, and academic researchers in the U.S. and Europe to investigate the wide, rapid, and responsible commercialization of electric-drive vehicles, alternative fuels, and efficient, green power systems.

Center for Sustainable Energy, San Diego, CA –
Principal Advisor, Clean Transportation (2016- present)
Senior Project Manager (2014-2016)

- Leading efforts to increase the transparency, understandability, and equity of electric-drive vehicle markets and the California Air Resources Board Clean Vehicle Rebate Project (CVRP).
- Managing staff responsible for processing, analysis, and accessibility of CVRP rebate and survey data.
- Engaging with a variety of high-level EV and alternative-fuel industry, policy, planning, and other stakeholders.
- Developing new initiatives related to advanced-vehicle and alternative-fuel markets and products, infrastructure analysis, and energy storage.

Luskin Center for Innovation, University of California, Los Angeles (UCLA), Los Angeles, CA –
Program Director, Electric Vehicles & Alternative Fuels (2012 – 2014)

Analyzed advanced-vehicle and alternative-fuel markets and products, published net-present-valuation and uncertainty analysis of workplace charging cost-recovery, engaged in regional plug-in electric vehicle (PEV) readiness planning, and explored vehicle-to-grid (V2G), battery second life, and smart charging.

Department of Public Policy, University of California, Los Angeles (UCLA) , Los Angeles, CA –
Assistant Adjunct Professor (2012 – 2014)

Teaching duties included a self-designed new course to teach fossil-fuel, combustion, electric, and hydrogen technologies and policies to policy, planning, and business students: "Electric-drive Vehicles: Technology & Policy" (Spring 2013).

Publications

- Williams, B. D.; DeShazo, J. R., Pricing Workplace Charging: Financial Viability and Fueling Costs. Transportation Research Record (forthcoming), Transportation Research Board: Washington DC, 2014.
- Williams, B. D.; DeShazo, JR; Ben-Yehuda, A. Early Plug-in Electric Vehicle Sales: Trends, Forecasts, and Determinants; Deliverable 04 to the Southern California Association of Governments, 2012.
- Williams, B. D. "Plug-In-Vehicle Battery Second Life: the Effect of Post-Vehicle, Distributed-Grid-Energy-Storage Value on Battery-Lease Payments." Transportation Research Record 2012, 2287, 64–71.
- DeShazo, J., A. Ben-Yehuda, et al. (2012). Southern California Plug-in Electric Vehicle Readiness Plan; UCLA Luskin Center for Innovation: Los Angeles, luskin.ucla.edu/ev
- Williams, B. D.; Martin, E.; Lipman, T.; Kammen, D. "Plug-in-Hybrid Vehicle Use, Energy Consumption, and Greenhouse Emissions: An Analysis of Household Vehicle Placements in Northern California." Energies 2011, 4, (3), 435-457.

Transportation Sustainability Research Center, University of California, Berkeley –
Assistant Research Engineer (2010 – 2012)
Postdoctoral Scholar (2008 – 2010)
Senior Researcher investigating electric-drive vehicles (plug-in-hybrid, fuel-cell, and battery). Research included: Electric-fuel and plug-in-vehicle commercialization for the California Energy Commission (including battery secondary use in collaboration with NREL, UC Davis, CSE, SDG&E, and AeroVironment); lifecycle emissions analysis; and analysis of real-world vehicle deployments: study of the household use of Toyota-made plug-in-hybrid and fuel-cell prototypes in partnership with Toyota, government agencies, and other organizations

Ford Motor Company, California Fuel Cell Partnership Office, West Sacramento, California –
Vehicle & Fuel Analyst (2003 – 2004)
Supported education and outreach events (including a Fuel-Cell-Vehicle Road Rally down the California coast), vehicle placements, and early commercialization planning

Rocky Mountain Institute, Old Snowmass, Colorado
Senior Research Associate (1995 – 2000)
RMI's principal analyst of fuel-cell and alternative-fuel technology and infrastructure. Helped create and spin-off Hypercar, Inc. (now FiberForge.com), a provider of lightweight, efficient automotive design solutions; Consulted for automotive, electronics, and energy firms (including the founders of Shell Hydrogen); Advised government agencies in the U.S. and Europe; Member of the U.S. delegation to the 1999 G8 Environmental Futures Summit; Media: contributed to radio, print, and online features, including Wired, E, and Environmental Health Perspectives magazines and ABCNews.com.

Other

- Contributed to and quoted on radio and other media such as Wired and E magazines, the Wall Street Journal Online, New York Times Online, Business Week, and New Scientist Online.
- Invited expert for workshops to develop both the State of California's multi-agency ZEV Action Plan and V2G Roadmap and the U.S. DOE EV Everywhere Grand Challenge, expert Advisory Panel member, RAND evaluation project of a state alt.-fuel program.

Román Partida-López

Project Manager, Clean Transportation Equity

Education & Training

- JD, Thomas Jefferson School of Law, San Diego
- BA, University of San Diego, San Diego, CA
- Native speaker and writer of Spanish

Professional Affiliations

San Diego La Raza Lawyers Association

Presentations

Imperial Valley Renewable Energy Summit 2014

Office Location

9325 Sky Park Court, Ste. 100, San Diego, CA 92123

Román Partida-López, Equity Specialist at CSE, is an experienced sustainability and equity professional working to advance policy and initiatives for the benefit of underserved communities.

With over a decade of experience in Sustainability, Roman Partida-Lopez works to advance clean transportation policy and initiatives in low and moderate income communities

Center for Sustainable Energy, San Diego, CA
Clean Transportation Equity Project Manager (2014–present)

- Ensure CSE's clean transportation initiatives are available and appropriately focused in all communities throughout the state, in particular, disadvantaged, low and moderate income communities;
- Engage various stakeholders to help increase awareness, knowledge and participation of clean transportation incentive programs.

The Greenlining Institute, Berkeley, CA
Environmental Equity Legal Fellow (2013 -2014)

- Advocate in legislative and administrative venues for environmental solutions to reduce poverty and pollution within communities of color.
- Draft internal memoranda advising management on the impact of proposed policies.
- Help develop a statewide campaign and related legislation (SB 1275).
- Present to Governor's office and Legislators on provisions related to SB 1275 to improve access by disadvantaged communities.
- Co-chair a subcommittee of transportation policy experts.
- Report back to Steering Committee of SB 1275 recommendations presented during subcommittee calls.
- Manage development of research contract.
- Participate in Greenlining's rigorous leadership development programming.
- Manage and mentor summer associate and several undergraduate members of the Greenlining Academy.

Employee Rights Center, San Diego CA
Law Clerk (2012 –2013)

- Conducted research and analysis for employees having disputes involving wage and hour, overtime and unemployment insurance claims;
- Advocated on employees' behalf before administrative law judges for reinstatement of unemployment insurance.

San Diego Coastkeeper and San Diego Legal Aid Society, San Diego, CA
Legal Intern (June-October, 2011, 2012)

- Drafted legal memoranda for complaints brought by Coastkeeper.
- Analyzed requirements under the California Environmental Quality Act.
- Obtained and reviewed public records regarding San Diego Stormwater Pollution Discharges.
- Developed and solicited support letters for environmental legislation.
- Met with community stakeholders to initiate litigation related to environmental harms.
- Assisted *In Pro Per* participants prepare necessary documents for Domestic Violence, Civil Restraining Order and Unlawful Detainer hearings.

California Center for Sustainable Energy, San Diego, CA
Associate Program Manager, Energy Resource Center (2008 –2010)

- Researched, developed and coordinated logistics for Energy Resource Center workshops;
- Monitored budget, expenses and reporting.
- Helped manage energy information, resources and programs.
- Provided technical assistance on energy design, energy savings and identification of financing opportunities.
- Delivered workshops and created newsletter to communicate information on energy efficiency publications, videos, and data-logging instruments.

City of Chula Vista, Dept. of Conservation and Environmental Services, Chula Vista, CA
Conservation Specialist, (2006 –2008)

- Developed and implemented community-based programs to enhance habitat for wildlife.
- Determined eligibility of potential recipients for NatureScape Program and Urban Shade Tree Project.
- Performed energy audits of residential homes for the Residential Energy Program.
- Researched and collected data for Greenhouse Gas Emissions Reduction Inventory Report.

Trevor Wison

Project Coordinator – Clean Transportation

Education & Training

- B.A. International Relations, Michigan State University
- M.S. Environmental Management & Sustainability, James Madison University

Office Location

9325 Sky Park Court, Ste 100, San Diego, CA 92123

As a Project Coordinator for Center for Sustainable Energy's Clean Transportation team, Trevor provides cross-functional support to a variety of electric vehicle charging station deployment projects. His expertise includes managing client communications, data collection, training, and technical report writing.

Trevor Wilson is involved in multiple electric vehicle charging station deployment projects across the State of California

Center for Sustainable Energy, San Diego, CA

Project Coordinator, Clean Transportation (2017–Present)

City of San Francisco's Multi-Unit Dwelling EVCS Siting Study

- Project Description: In depth analysis of the City's existing EVCS/parking infrastructure and inventory of passenger vehicles operated in the city to create a working demand model showing multi-unit dwelling sites in the city that offer the greatest opportunity for rplacing VMTs with eVMTs through the deployment of EVCS.
- Primary Responsibilities: Data collection, client communication, and technical report writing

Valley Takes Charge (VTC)

- Program Description: A resource promoting plug-in electric vehicles (PEVs) in the San Joaquin Valley that empowers local governments and their constituents to adopt greater numbers of clean cars and helps reduce transportation emissions. VTC calls for innovative strategies to make PEVs and EVCS affordable, equitable and accessible to Valley residents.
- Primary Responsibilities: Conduct training seminars and promote events across the Valley, network building, data collection, and client communication

Sonoma Clean Power Workplace Charging Technical Assistance

Program

- Project Description: For selected sites in Sonoma County, creation of a feasibility and siting analysis for workplace EVCS installation. This includes a cost-benefit analysis under certain installation and use scenarios, an engineering analysis which includes an analysis of the electrical capacity of the facility and its ability to handle additional load, and implications of parking requirements and ADA/California Building Code compliance.
- Primary Responsibilities: Data collection, site assessment, client communications, technical report writing, and high-level siting analysis.

CivicSpark Americorps Fellow, Fresno, CA

Local Government Commission (2015-2016)

- Assist businesses in the San Joaquin Valley with acquiring electric vehicle chargers through a grant program from the San Joaquin Valley Air Pollution Control District that provides funding to establish public electric vehicle charging stations.
- Developed an in-depth and complete cost analysis for electric vehicles compared to their gas-powered counterparts, or other gas-powered vehicles. This tool is cost-specific to the San Joaquin Valley and shows complete purchase and ownership costs associated with these vehicles and covers every single expected expense that any driver will incur.
- Provided background research and completed a proposal for funding to establish a new branch of the San Joaquin Valley EV Partnership in Fresno. This new branch will provide daily outreach and engagement of businesses, public agencies, and residents to provide much-needed education on the benefits associated with purchasing and owning electric vehicles.
- Established a base of partners for the Water-Energy Community Action Network (WECAN) program, which provides funding to residents, businesses, and public agencies to replace their grass lawns with a drought tolerant landscape or upgrade their irrigation/gray water systems.
- Completed an existing conditions portfolio for buildings along a major travel corridor in Fresno to support a $1.5 million gran recently received by a host of organizations in the San Joaquin Valley region. This grant provides necessary funds to transform certain nodes of Fresno into "advanced energy communities."
- Developed and delivered an in-depth training seminar to local government and regional water agency staff regarding community-based water conservation approaches and the water-energy nexus which gives city planners and water agency staff vital information that will transform their energy and water conservation programs and allow htem to meet state regulations on GHG emissions and water use.

Grune Liga Berlin e.V., Berlin, Germany

Internship (2015)

- Projet management and coordination of IGA-Campus (International Garden Exhibition planned for 2017) in the following areas: Development Policy, Environmental Education, Social Media Marketing, and Event Planning.

Laura Parsons

Assistant Director, Research and Analysis

Education & Training

- B.A. Mathematics, University of California San Diego
- Certified Project Management Professional (PMP)
- Building Science Principles Certificate of Knowledge, Building Performance Institute (BPI)
- Analytic Techniques for Business, Specialization, Duke University via Coursera
- Certificate in Environmental Studies, San Diego State University

Office Location

9325 Sky Park Court, Suite 100, San Diego, CA 92123

Laura Parsons manages CSE's research and analysis efforts related to energy efficiency, distributed generation and clean transportation. Her team conducts qualitative and quantitative research design and implementation, program evaluation, data visualizations and online dashboards, GIS mapping and analysis, rate/tariff analysis and data process automation. Laura is committed to producing high quality analysis and communicating actionable, accessible results. Laura also manages research projects funded by the California Energy Commission and Lawrence Berkeley National Laboratory.

With a decade of experience in sustainable energy, Laura is a PMP-certified manager who leads CSE's research and analysis department.

Center for Sustainable Energy, San Diego, CA -
Assistant Director, Research and Analysis (2017-Present)
Senior Manager, Research and Analysis (2016-2017)

- Manages team of research analysts who conduct qualitative and quantitative research design and implementation, program evaluation, data visualizations and online dashboards, GIS mapping and analysis, rate/tariff analysis and data process automation.
- Ensures efficient and cost-effective allocation of research analyst resources to support CSE projects.
- Develops and ensures adherence to quality assurance protocols.
- Communicates findings in actionable, accessible manner for non-technical stakeholders.
- Manages a research study funded by the California Energy Commission to analyze the influence of sociocultural factors on the adoption of home energy efficiency retrofits.
- Manages CSE's research on behalf of Lawrence Berkeley National Laboratory to identify methods for auto-populating solar PV data into home sales listings.

Senior Project Manager (2014-2016), Project Manager (2013-2014), Program Associate (2011-2013), Building Performance Department

- Applied knowledge of behavioral science, building science and energy efficiency market to design and implement outreach, training, policy development and research projects.
- Applied PMP principles to produce high quality project deliverables on time and within budget.

Laura Parsons (cont.)

Publications

- Stukel, L. et. al., 2016. "Capturing the Sun: A Roadmap for Navigating Data-Access Challenges and Auto-Populating Solar Home Sales Listings." Lawrence Berkeley National Laboratory.
- Langheim, R., Parsons, L., 2016. "Accelerating Market Transformation with Energy Program Data Visualizations." Paper presented at ACEEE 2016 Summer Study on Energy Efficiency in Buildings, Pacific Grove, CA.
- Center for Sustainable Energy, 2015. "Zero Net Energy Buildings: How California's Local Jurisdictions Can Lead the Way."

- Built and maintained relationships with home performance contractors, raters, utilities, local governments, lenders, real estate agents, homeowners and other stakeholders.
- Analyzed data and stakeholder feedback to improve program design and provide metrics to funders.
- Managed annual budgets totaling more than $500,000.
- Lead communications strategy for CSE's Building Performance department.
- Project clients included San Diego Regional Energy Partnership, City of San Diego, City of Chula Vista, California Energy Commission and U.S. Department of Energy.

Environmental and Energy Study Institute, Washington, D.C - Communications Director (2008 –2011)

- Developed relationships with Congressional offices and the policy community to facilitate greater understanding of research, best practices, and stakeholder feedback to advance effective energy policy.
- Developed content, organized logistics, and conducted outreach for dozens of briefings on topics such as energy efficient buildings, renewable energy, public transit, electric vehicles, alternative fuels, and climate change. Staff from 300 Congressional offices attended EESI briefings in 2009.
- Worked closely with Executive Director and Development Director to determine organizational priorities and action plans. Trained and managed several staff members and interns to help achieve objectives on a tight schedule and budget.
- Wrote and edited articles, web content, and fact sheets about energy technology and policy issues. Produced EESI Update newsletter and 2010 annual report.
- Designed, built, and maintained new website. Implemented online streaming video and social media presence to heighten EESI's visibility at low cost. Web visitors doubled between 2008 and 2011.

Environmental and Energy Study Institute, Washington, D.C - Bioenergy Policy Staff (2007-2008)

- Served as principal researcher and author of a guidebook for state governments on effective policies to encourage sustainable, commercial-scale production of advanced low-carbon biofuels. Contributed to the research and writing for two of EESI's testimonies before Congress about biofuels.
- Worked with an advisory committee of biofuel and policy experts from government, industry, and non-profits around the country.

Georgina Arreola

Research Analyst

Education & Training

- MPP, International Development Policy & Energy Policy, Georgetown University – McCourt School of Public Policy
- B.S., Management Science, University of California San Diego

Publications

"Survey of Buyers, Sellers and Realtors Involved In San Diego Third-Party Owned Solar Home Transactions – A Qualitative Assessment" Berkeley LBNL-1003917. December 2015

"Energy Efficiency Motivations and Actions of California Solar Homeowners," ACEE Conference Paper. August 2014

Office Location

9325 Sky Park Court, Ste 100, San Diego, CA 92123

Georgina has over ten years of experience in statistics and advanced quantitative research methods. Her work focuses on the survey development process and survey design as well as the use of statistical survey data analysis methods and market research techniques to study the adoption and diffusion of renewable energy technologies for the purposes of policy analysis and incentive program evaluation and design.

She has supported research projects funded by the Department of Energy, the National Institute of Health, the MA Department of Energy Resources, the CA Energy Commission and the CA Air Resources Board. Additionally, Georgina has over five years of experience in renewable energy research, policy and analysis. She has worked in a consulting capacity with various public agencies and private companies.

With more than a decade experience in advanced statistics and quantitative research methods, Georgina supports multiple statewide clean energy programs.

Center for Sustainable Energy, San Diego, CA

Research Analyst (2011–present)

- Provide quantitative/qualitative research support for program teams to develop and analyze primary and secondary data to study the diffusion of renewable technologies in order to stimulate market growth through program design and/or policy interventions.
- Design & administer multiple statewide (CA, MA, CT) Clean Vehicle Owner Surveys to study the motivations, behaviors and demographics of clean vehicle adopters.
- Develop analytical tools for program assessment, tracking and evaluation and work with external counterparts to coordinate collection and data integrity and transparency for statewide databases like California Solar Statistics and the Clean Vehicle Rebate Project.

Georgina Arreola (cont.)

- Team member on Dept. of Energy and CA Energy Commission grants to study the determinants of solar PV and energy efficiency adoption.

Independent Research & Consulting/Self-Employeed, San Diego CA Expert Witness, Researcher & Economic Analyst (2005 –present)

- Research and analyze financial and economic loss claims and counterclaims in civil and commercial litigation.
- Develop sampling design, and conduct sampling and parameter estimation including confidence intervals to calculate industry wage bills and estimate recovery of bad loans.
- Generate and edit economic analysis reports, industry outlook reports and cost-benefit-
- Perform forensic/fraud accounting analysis, including: investigate bookkeeping practices for misrepresentation, misstatement and deception.
- Provide expert witness opinion on owed wages and penalties per violations of CA Labor Code in labor disputes.

University of California San Diego, School of Medicine San Diego CA

Lecturer (Fall 2012)

- Taught introductory graduate level statistics course in the Leadership of Healthcare Organization Master's Program (LHCO 212).
- Topics covered: elementary probability theory, sampling, the development and use of confidence intervals, hypothesis testing, analysis of variance, simple regression and decision-making under uncertainty.

Corporate Recovery Associates, San Diego CA

Financial Analyst (2009 –2011)

- Assisted creditors to maximize the recovery of debts from highly leveraged, distressed companies in Chapter 11 Bankruptcy matters.
- Conducted special purpose audits (both in and out of bankruptcy) regarding the compliance with business agreements as well as the identification and recovery of overpayments.

California Center for Sustainable Energy, San Diego, CA

Public Affairs Intern (2011)

- Managed the submission and writing of DOE SunShot Rooftop Solar Proposal. (Funded)
- Maintained database of CA energy legislation for CCSE Public Affairs website.
- Developed and administered program evaluation surveys for the CARB Clean Vehicle Rebate Project.
- Performed project level modeling and financial analysis for renewable energy and energy efficiency projects.

John Anderson

Research Analyst

Education & Training

- B.A., International Security and Conflict Resolution, San Diego State University

Skills

Python
R and Stata
QGIS, ArcMap, ArcGIS Server
HTML, CSS, JavaScript
PostgreSQL, PostGIS
Salesforce, SOQL, CiviCRM
Apache, IIS, Drupal, WordPress
Windows and Ubuntu Linux

Publications

Williams, B., Anderson, J. (2016), "Clean Vehicle Rebate Project Long Term Planning: Funding Needs for Fiscal Years 2016–2017 thru 2018–2019"

Clean Vehicle Rebate Project EV Consumer Survey Dashboard

Williams, B., Anderson, J., Santulli, C., and Arreola, G. (2015), "Clean Vehicle Rebate Project Participation Rates: The First Five Years (March 2010–March 2015)"

John leverages more than 5 years of experience working on Clean Transportation projects to support the Transportation Team's analytical needs. Recent projects include an EV charging equipment siting analysis for the City of San Francisco Department of the Environment, and an analysis of community-level factors related to EV adoption and its application to program outreach efforts. He also forecasts clean vehicle markets and incentive program demand, assesses program participation, completes spatial analyses, and creates data visualizations and tools.

With over 5 years of experience in Clean Transportation, John has a passion for solving environmental problems.

Center for Sustainable Energy, San Diego, CA

Research Analyst (2017–present)
Junior Research Analyst (2016–2017)

- Responsible for developing, contextualizing, performing, and reporting on research efforts in support of programs and with the goal of informing policy.
- Responsible for the development and maintenance of dynamic and interactive data visualization tools, as well as static visualizations and reports.
- Support program evaluation and assessment efforts, as well as planning and program implementation.
- Conduct analyses and construct tools using programming languages such as R, Python, JavaScript, SQL, and SOQL, and using tools such as Tableau, QGIS, and Stata.

Project Associate (2013–2016)

- Primarily responsible for assisting with Clean Vehicle Rebate Project data transparency and initiatives efforts.
- Developed and implemented data visualization tools – including CVRP's EV Consumer Survey Dashboard – for use

John Anderson (cont.)

Presentations

Identifying Areas with High Proclivity for EV Adoption (BECC 2017)

Early Plug-In Electric Vehicle Consumers: Comparisons across Three States (BECC 2016, Poster)

Interactive Dashboard of Electric Vehicle Consumer Survey Data (EUEC 2015)

Office Location

9325 Sky Park Court, Ste 100, San Diego, CA 92123

in market facilitation and greater project transparency, both internally and publically. The public data transparency tools have an international user base, with more than 1,500 monthly page views. Both the data and visualizations have been cited in national and regional news articles, as well as in development of local, regional, and statewide EV policy.

- Contributed to rebate program design in California and Connecticut.
- Other responsibilities include developing and preparing internal and external reports, metrics and statistics related to the CVRP and PEV adoption in California. Metrics are used to support strategic planning, targeted marketing, and CVRP process improvements.

Project Assistant (2011-2013)

- Responsible for assisting with project management, data transparency, outreach, and other CVRP initiatives.
- Directly processed, assisted with, or oversaw completion of more than 60,000 CVRP rebate applications, amounting to more than $120 million in incentives.
- Assisted in planning, designing, and executing numerous project enhancements, including tighter online application controls, an enhanced database and contact management system, and enhanced data reporting.

Citizens Climate Lobby, Encinitas, CA
Intern (2012)
The Daily Aztec, San Diego, CA
Entertainment Editor (2011-2012)

Michelle Jones

Research Analyst Assistant

Education & Training

- B.A., Environmental Studies: Sustainability and Social Justice, San Francisco State University

Skills

R and Stata
QGIS, ArcGis 10.3
SQL
Microsoft Office Suite

Office Location

9325 Sky Park Court, Ste 100,
San Diego, CA 92123

Michelle Jones is a member of the Research and Analysis team at the Center for Sustainable Energy (CSE). She holds a B.A. in Environmental Studies from San Francisco State University, where she focused her studies in sustainability, urban planning, and social justice work. Her recent projects at CSE include a literature review on energy-related behavioral change strategies for the City of Carlsbad and an analysis of CVRP survey respondents living in disadvantaged communities. She specializes in data visualization and analysis, including script writing, querying, and maintenance.

Michelle specializes in data visualization and analysis, including script writing, querying, and maintenance.

Center for Sustainable Energy, San Diego, CA

Research Analyst Assistant (2017–present)

- Write and execute data analysis and calculation using R and Stata.
- Create data visualizations to illustrate and reinforce research findings and inform further action or discussion.
- Assist senior research analysts with data quality analysis, cleaning, and organization.
- Identify and explore potential trends in energy, socioeconomic, and related data.

Notable Work:

- CVRP Disadvantaged Community (DAC) 2013-2015 survey analysis
- City of Carlsbad Behavior Change Literature Review

Citizen's Climate Lobby, San Diego, CA

Membership Coordinator Intern (2014)

- Assisted Membership Coordinator with Salesforce database management and research.

Erik D. Feldman, MS, LEED AP

PRINCIPAL

Erik Feldman is a Principal with Rincon's Environmental Planning and Sustainability Department. He oversees Rincon's statewide greenhouse gas reporting and carbon verification programs and is responsible for the leadership and development of Rincon's sustainability services. Mr. Feldman's experience includes GHG modeling and auditing, climate action planning and environmental site assessment and remediation. Additionally, he is involved in a wide range of urban planning and land use studies, sustainable development review, California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA) environmental documentation, and permitting activities. Erik applies this experience in the successful management of environmental and sustainability projects for variety of clients in the public and private sectors. He has managed and serves as contributing consultant for a range of environmental and planning studies involving land/infrastructure development, sustainable design review, and in-fill development. Mr. Feldman is an experienced assessor of sustainable design, energy efficiency, and renewable energy in regard to the environmental effects of development projects and sustainable certifications such as LEED and GreenMarine. He also has experience managing remedial projects, including site investigations, regulatory agency and permit compliance, system design and implementation, and field oversight of groundwater and soil contamination. Mr. Feldman has been designated as an expert in matters of heavy metals and chlorinated solvent related contaminants. He has provided in-court testimony for both plaintiffs and defendants related to property disputes.

EDUCATION

M.S., Environmental Science and Management, University of Sydney; Sydney, Australia

B.S., Business and Administration, University of Colorado

Minor in Science equivalent University of California, Santa Barbara and Santa Barbara City College

CERTIFICATIONS

Accredited Lead Greenhouse Gas Verifier, California Air Resource Board (EO# H-10-043)

LEED Accredited Professional (2008)

Licensed General Engineering Contractor - (#921378)

40 Hour Hazardous Waste Operations and Emergency Response Certification - Current 8 Hour Refresher

EXPERIENCE

Rincon Consultants, Inc. (2005 - present)

PW Environmental (2003 - 2005)

PROJECT EXPERIENCE

SUSTAINABILITY PROGRAMS AND STUDIES

- Peralta Community College District- Sustainability Plan
- Port of Hueneme Green Marine Program & Environmental Management Framework
- Hillside House Energy Conservation and Sustainable Development/Smart Growth Evaluation
- California Conservation Corps- Water Inventory and Design Review
- Los Angeles Community Development Commission On-Call Sustainability Design Consulting Services
- Todco- Energy and Water Inventory
- ASHRAE Energy Assessment and LEED EBOM Certification - Ventura Office Building Silver LEED Certification
- Claremont Village Apartments - Sustainable Development Project Review

INDUSTRIAL GHG AND CARBON CONSULTING

- Chevron State-wide Facilities
- Imerys Minerals Corp- Diatomaceous Earth Plant
- Pro Petroleum- Transportation Fuel Sales
- HJ Baker Sulfur Production Facilities Port of Stockton and Los Angeles-
- BreitBurn Energy Los Angeles Oil Production

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PROJECT EXPERIENCE, CONT'D

- Freeport MacMoRan State-wide Facilities
- Transmontaigne California Fuel Sales
- Kyocera America Inc.- Cogeneration Facility
- Badlands Landfill-Gas-to-Energy Facility
- WellHead Services Inc. AB32 Reporting
- Shell Oil Products Statewide Transportation Fuel Sales
- Procter and Gamble Oxnard Paper Facility
- JPower USA- Orange Grove Energy
- Ingomar Tomato Processing Facility
- Molycorp Rare-earth Mining Facility
- Flyers Energy Transportation Fuel Sales
- Pacific Coast Energy Company- Oil Production
- Tesoro Oil Refining- Carson Facility

AGENCY GHG AND CARBON CONSULTING

- City of Pasadena Climate Action Plan
- San Jose/ Santa Clara Regional Waste Water Treatment Plant Cogeneration System
- La Canada Flintridge Climate Action Plan
- Fresno Clovis Wastewater Treatment Facility- Cogeneration Plant
- Ventura County Community College District- GHG Inventory
- County of Orange Public Works Department Central Utilities Facility
- Kings County Regional Climate Action Plan City
- City of Calabasas Carbon Sequestration Project
- Stanford University GHG Inventory
- Ventura Regional Sanitation District- Solid Waste Management/Cogeneration GHG Emission Verification
- South Orange County Wastewater Authority-Cogeneration Plant

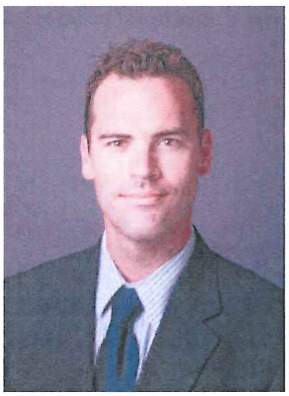
AIR QUALITY AND GHG STUDIES FOR DEVELOPMENT

- Camarillo Airport Health Risk Assessment
- LEGOLAND Hotel GHG Study
- Florence Affordable Housing Air Quality And GHG Study
- Hal Phillips Health Risk Assessment
- Cisterra 7th & Market Hotel GHG Study and CAP Checklist
- AERO Drive GHG Study
- Clarendon Residential Development Air Quality and GHG Study
- 7th and Island GHG Study
- Hofman Engineering GHG Study

ENERGY REPORTS

- ASHRAE Energy Assessment and LEED EBOM Certification - Ventura Office Building Silver LEED Certification, Ventura County
- Hillside House Energy Conservation and Sustainable Development/Smart Growth Evaluation , Santa Barbara County

- Energy and GHG Audit- Chevron El Segundo Refinery and San Joaquin Valley Oil and Gas Projection Facilities
- Energy and GHG Inventory- Port of Hueneme
- Energy and GHG Inventory- Ventura County Community College District
- Energy and GHG Inventory- Stanford Medical
- Energy and GHG Audit- Procter and Gamble Paper Production Facility
- LADWP Energy Audit- Sungevity Sunland Project
- AB 1103 Energy Disclosure- Selective Real Estate Investments Woodland Hills and Hollywood Projects
- GHG Inventory Update and Climate action plan- City of Pasadena
- Climate Action Plan- City of La Canada Flintridge



EDUCATION

MESM, Bren School of Environmental Science and Management, University of California, Santa Barbara

B.A., Political Science, Cal Poly-San Luis Obispo

CERTIFICATIONS

American Planning Association – AICP Certified

Accredited Greenhouse Gas Emissions Lead Verifier – California Air Resources Board

EXPERIENCE

Rincon Consultants, Inc., Ventura, CA (2007 – present)

California State University, Sacramento, CA (2005 – 2006)

Matt Maddox, MESM, AICP

Senior Program Manager

Matt Maddox serves as a Senior Program Manager within Rincon's Environmental Science and Planning group and the Sustainable Consulting Group. He is located in Rincon's Sacramento office and has expertise in CEQA compliance, impact analysis, environmental regulation, and transportation planning. He is involved in a wide range of urban planning and land use studies, as well as community involvement and permitting activities. Mr. Maddox has developed a focus in the area of urban planning and reduction of greenhouse gas emissions related to land use. He is currently managing the Stanislaus Council of Governments Regional Transportation Plan and Sustainable Communities Strategy EIR, and recently managed the El Dorado County Capital Improvement Program (CIP)/Traffic Impact Mitigation (TIM) Fee Update EIR as well as the Humboldt County Association of Governments RTP EIR. As part of these projects, Matt led the public outreach components of the EIR process including directing scoping meetings, conducting stakeholder information sessions, and presenting impact analysis associated with the projects to the regional government agencies.

PROJECT EXPERIENCE

Regional Plans

- Tuolumne County Regional Transportation Plan EIR, Tuolumne County Transportation Council
- Stanislaus County Regional Transportation Plan and Sustainable Communities Strategy EIR, Kimley Horn/ Stanislaus Council of Governments
- Butte County Regional Transportation Plan / Sustainable Communities Strategy EIR, Butte County Association of Governments
- El Dorado County Capital Improvement Program (CIP)/Traffic Impact Mitigation (TIM) Fee Update EIR , Kittelson and Associates/El Dorado County
- Shasta County 2015 Regional Transportation Plan / Sustainable Communities Strategy EIR, Shasta Regional Transportation Agency
- Humboldt County Regional Transportation Plan EIR, Humboldt County Association of Governments
- Calabasas 2030 General and EIR, City of Calabasas
- Avalon 2030 General Plan and EIR, City of Avalon
- County of Fresno General Plan Update, Fresno County
- Novato 2035 General Plan EIR, City of Novato
- Windsor General Plan Update, City of Windsor
- Rio d' Oro Specific Plan EIR, Butte County

Air Quality Studies and Greenhouse Gas Analysis

- Greenhouse Gas Analyses for General Plan Housing Elements – Cities of Glendora, Lomita, Glendale, Lawndale, Lake Forest, Hayward, and Walnut
- Transportation Fuel Supplier Greenhouse Gas Verification, Flyers Energy
- Outlets at the Border EIR – Air Quality and Greenhouse Gas Study, City of San Diego

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PROJECT EXPERIENCE, CONT'D

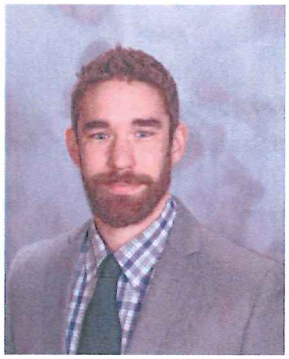
- Los Robles Regional Medical Center – Air Quality Study, City of Thousand Oaks
- Transportation Fuel Supplier Greenhouse Gas Verification, Robinson Oil Supply and Transport
- Dos Colinas Senior Housing Project Greenhouse Gas Study, City of Carlsbad County of Santa Barbara Orcutt Key Site 3 – Health Risk Assessment
- Santa Paula Rock, Gravel, and Sand CUP and Reclamation Plan – Health Risk Assessment
- Downtown San Diego Courtyard by Marriott Greenhouse Gas Study, City of San Diego
- Badlands Landfill-Gas-to-Energy Facility Greenhouse Gas Verification, Riverside County
- Industrial Cogeneration Facility Greenhouse Gas Verification, Kyocera America
- Oil and Gas Facilities Greenhouse Gas Verification, Plains Exploration & Production Company
- Transportation Fuel Supplier Greenhouse Gas Verification, Pro Petroleum, Inc.
- Electricity Generation Facility Greenhouse Gas Verification, Orange Grove Energy
- Cabrillo Economic Development Corporation Farmworker Housing Project, County of Ventura
- Peninsula Pointe Resort Air Quality Study, City of Oxnard
- Channel Islands Harbor Mixed Use Development Air Quality Study, City of Oxnard
- LA Water, LLC Chemical Manufacturing Facility Air Quality Study, City of South Gate
- Wilshire Boulevard Mixed-Use Project Air Quality Study, City of Santa Monica

GREENHOUSE GAS VERIFICATION

- Badlands Landfill-Gas-to-Energy Facility Greenhouse Gas Verification, Riverside County
- Cogeneration Facility Greenhouse Gas Verification, South Orange County Wastewater Authority
- Industrial Cogeneration Facility Greenhouse Gas Verification, Kyocera America
- Oil and Gas Facilities Greenhouse Gas Verification, Plains Exploration & Production Company
- Seneca Resources- 2 Oil and Gas Production Facilities
- Ventura Regional Sanitation District – Solid Waste Management/Cogeneration
- Riverside Waste Management Department-Badlands Sanitary Landfill in Riverside County
- Flyers Energy GHG Verification – Fuel Transaction
- Robinson Oil GHG Verification – Fuel Transaction
- Pro Petroleum GHG Verification – Fuel Transaction
- TransMontaigne GHG Verification – Fuel Transaction
- Orange County Public Works GHG Verification – Cogeneration
- Orange Grove Energy GHG Verification – Electricity Generation

ON-CALL CONTRACTS

- Robla School District CEQA/DTSC Compliance, Caldwell Winter Flores
- City of Turlock Environmental Study Services As-Needed
- Manteca On-Call Environmental Services
- Placer County/Alto - On-Call Park, Trail and Landscape Services
- City of Lincoln On-Call Environmental Review Services
- City of Redding On-Call Environmental Services
- City of Shasta Lake On-Call Services



EDUCATION

MESM, Energy and Climate, Bren School of Environmental Science and Management, University of California, Santa Barbara

B.A., Biology, Kalamazoo College, Kalamazoo, Michigan

CERTIFICATIONS

LEED AP O+M

ISI Envision Sustainable Professional

40-hour Hazardous Waste Operations Emergency Response (HAZWOPER) Certification

AFFILIATIONS

Member, Green Building Association

EXPERIENCE

Rincon Consultants, Inc. (2012 – present)

Woody's Construction Corp (2008 – 2011)

Ryan Gardner, MESM, LEED AP, ENV SP

SUSTAINABILITY PROJECT MANAGER

Mr. Gardner serves as a Sustainability Project Manager and an Environmental Scientist with Rincon's Sustainability Services Group. He is experienced in greenhouse gas reporting and audits, life cycle analysis, green building strategies, carbon accounting, carbon sequestration and sustainable infrastructure. His responsibilities include green building consulting, sustainability plans, GHG verification for AB-32, GHG reporting for corporate initiatives, LEED certification, energy audits, construction and mitigation monitoring and regulatory compliance. He has contributed to a variety of successful projects, including multiple construction projects in the Bay Area, climate action plans, GHG emissions inventories, energy studies, environmental impact reports, and public outreach and education programs. Mr. Gardner has developed green building and sustainability review guidelines for Community Bank of the Bay and the Peralta Community College District. Using cost benefit analysis and life-cycle assessment methods, he determined which projects were economically viable for both short term and capital investment projects. He has also developed climate action plans and sustainability master plans for a variety of districts and municipalities, and has developed cloud based monitoring tools and dashboards. He has experience in assessing complex operations and determining methodologies for tracking KPI's and emissions from Scope 1, 2, and 3 sources. He has experience leading public outreach for projects, including the creation of publically accessible presentations and reports on technical subjects for a wide range of audiences. Additionally, he has a background in construction which provides a well rounded understanding of building technologies, constraints, and opportunities.

PROJECT EXPERIENCE

SUSTAINABILITY CONSULTING

- Peralta Community College Sustainability Master Plan
- City of West Hollywood Climate Action Implementation and Monitoring Plan
- BuildZig 6300 Shattuck Ave Sustainable Building and Marketing Support Services, Oakland
- BuildZig 350 4th Street Sustainable Building Support Services, Oakland
- BuildZig MacArthur Project Sustainable Building Support Services, Oakland
- Stanford Medical Center Carbon Footprint Study
- Hronis Farms Sustainability Plan and Report
- California Conservation Corps. Water Audits (multiple sites)
- Pasadena Climate Action Plan
- Multi-Campus GHG Emissions Inventory Study for the Ventura County Community College District
- LEED Certification, Existing Building Operation and Maintenance, Ventura CA
- City of Sacramento Single-Use Plastic Bag Ordinance, Sacramento, CA
- Community Bank of the Bay – Bay Area Green Fund
- City of Calabasas Carbon Sequestration Study
- San Luis Obispo Six Cities Climate Action and Implementation Plans

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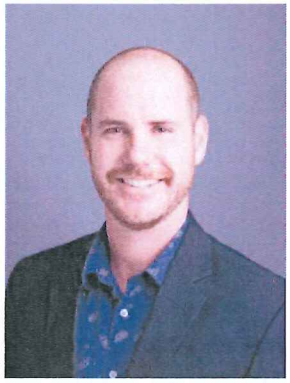
PROJECT EXPERIENCE, CONT'D

GHG VERIFICATION

- AB-32 Verification, Chevron Richmond Refinery, Richmond, CA
- AB-32 Verification, Tesoro LAR Refinery, Long Beach, CA
- AB 32 Verification Shell Martinez Refinery, Martinez, CA
- AB 32 Verification, Chevron Cogeneration Facilities (statewide)
- AB-32 Verification, Pro Petroleum, Multiple Counties , CA
- AB-32 Verification, Jaco Oil, Kern County, CA
- AB-32 Verification, Robinson Oil, Santa Clara County, CA
- AB-32 Verification, Flyers Oil, Placer County, CA AB-32 Verification, Freeport-McMoRan Oil & Gas, Gaviota, San Joaquin Valley and Arroyo Grande, CA
- CDP Reporting, Delta Oil Refinery, Philadelphia, PA
- GHG Protocol Corporate Reporting, Sulfur Processing, Stockton, CA
- GHG Protocol Corporate Reporting, Private Manufacturing, San Diego CA
- GHG Study, Ralphs Gas Station, Riverside, CA
- Madea Creek River Restoration, GHG Study, Agoura Hills, CA
- Casey Road Assisted Living Project, GHG Study, Moorpark, CA



EDUCATION

B.A., Geography, University of California, Santa Barbara (2005)

EXPERIENCE

Rincon Consultants, Inc. (2015 – present)

BioResouce Consultants (2014 –2015)

RWQCB – San Francisco Bay Region (2011 – 2014)

San Francisco Estuary Institute (2008 – 2014)

Frey Environmental (2006 – 2008)

Spacegraph – Spatial Graphics (2004 – 2005)

Marcus Klatt, GIS Supervisor/Analyst

Mr. Klatt is a GIS Analyst specializing in geospatial analysis, development, and mapping for a wide range of project types including environmental assessments, planning, urban design, and land development. He has experience in aerial imagery interpretation and mapping, georectification, spatial statistics, impact analysis, database development/management, version control and tracking, QAQC, methodology development, ArcPy python programming, Adobe products, CAD, web mapping, and mobile GIS applications. Through his 10 years of GIS experience he has worked with nonprofits, city, state and federal agencies, as well as in the private sector to provide GIS and spatial data solutions. Mr. Klatt provides professional GIS products through his strong foundation in GIS and is knowledge of all the leading and emerging GIS technologies.

PROJECT EXPERIENCE

Planning Mapping

- Tuolumne County Regional Transportation Plan
- City of Rancho Mirage General Plan update

Infrastructure Mapping

- California High Speed Rail Project (multiple Segments)
- Los Angeles Metro West Santa Ana Branch
- Various projects for Southern California Gas Company and Southern California Edison
- East Bay Discharge Authority Effluent pipeline mapping

GIS Development/Spatial Analysis

- Weighted overlay analysis tool development utilizing Arcpy Python coding
- Developed web maps using for an interactive general plan document utilizing ArcGIS online mapping
- Field photo interactive map using Google Maps JavaScript API
- Mobile field data collection app deployment and integration into a real-time web map tracking tool utilizing Google Maps API

Wetland and Biological Mapping

- California High Speed Rail Project – Jurisdictional wetlands mapping.
- Santa Barbara County Reliability Project
- Jurisdictional Wetlands and Bay Area Aquatic Resource Inventory (BARI), Regional wetland mapping
- North Coast Aquatic Resource Inventory (NCARI), Regional wetland mapping
- Tahoe Aquatic Resource Inventory (TARI), Regional wetland mapping
- RWQCB San Francisco Bay Region Basin Plan, 2012

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EDUCATION

MESM, Environmental Science & Management Bren School-University of California, Santa Barbara Specialization: Economics & Politics of the Environment, Strategic Communications & Media, 2016

B.A., Biological Sciences, Wellesley College, MA, 2009

EXPERIENCE

Rincon Consultants, Inc. (Aug. 2016–present)

UC, Santa Barbara (2014–2016)

National Geographic (2015)

Berklee College of Music (2012)

Duke University (2010)

Cincinnati Nature Center (2009)

Smadar Levy, MESM

ASSOCIATE ENVIRONMENTAL PLANNER

Smadar Levy is an Associate Environmental Planner with Rincon's Environmental Planning and Sustainability Group in Sacramento. Ms. Levy is responsible for assisting with policy analysis and outreach for planning projects, as well as conducting and reviewing CEQA and NEPA environmental assessments. She brings a strong background in biology, environmental policy, economics, and strategic communications to her work.

PROJECT EXPERIENCE

TRANSPORTATION

- Vine Transit Bus Facility IS-MND and NEPA Environmental Justice Analysis, Napa Valley Transportation Authority
- Alamitos Road Diet Improvement Project IS-NOP and EIR, City of Long Beach

DEVELOPMENT

- Specific Reuse Plan Amendment and Phase 2 Development of the East Campus Residential Neighborhood EIR, California State University, Channel Islands
- Promenade Development Project IS-MND, AQ & GHG Study, City of Hawthorne
- 7985 Santa Monica Boulevard IS and EIR, City of West Hollywood
- 923-931 North Palm Avenue Congregate Care Facility IS-ND, City of West Hollywood
- Ashley Subdivision IS-NOP and EIR, City of Hidden Hills
- Castro Valley IS-MND, County of Alameda
- Hawthorne Promenade IS, City of Hawthorne
- 9200 Wilshire Mixed-Use, City of Beverly Hills
- San Luis Ranch EIR, City of San Luis Obispo
- Shattuck Avenue UP and EIR, City of Berkeley
- Monte Vista Assets New Warehouse Project Technical Studies, Landin & Associates

GOVERNMENT

- Tate/Hasan/Righello General Plan Amendment and Zone Changes IS-MND, City of Marina
- CAR Overlay Zone MND, City of Calabasas

GENERAL PLANS AND ELEMENTS

- Novato General Plan Update EIR, City of Novato

EDUCATIONAL FACILITIES

- CSU Channel Island IS-NOP and EIR, CSU Channel Island
- Jay Willard Gymnasium Replacement Project EIR, Eureka City Schools
- USC Student Housing IS-MND, City of Los Angeles/Canfield Development
- Cherry Avenue Charter School IS-MND, City of Long Beach

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PROJECT EXPERIENCE, CONT'D

NEPA COMPLIANCE

- Vine Transit Bus Facility Environmental Justice Analysis, Napa Valley Transportation Authority
- AMTEX HUD EAs, City of Fort Worth