

Ryan L. McManus

Professional Experience

Sacramento Municipal Utility District (SMUD), Sacramento, CA

October 2022 to Present

SMUD is the nation's sixth-largest community-owned electric utility. SMUD provides reliable, affordable electricity to the majority of Sacramento County and a portion of Placer County in Northern California. SMUD serves a population of 1.5 million residents with over 600,000 residential and commercial accounts. SMUD provides approximately 11,000 GWhs of annual energy sales with a 3,000 MW peak.

Principal Risk Specialist (April 2023 to Present)

- Lead utility commodity cost reporting effort.
- Lead PLEXOS commodity reporting.
- Analyze and report nodal commodity risk.
- Renewable project evaluation.
- Hydro analysis of owned and participant assets.

Segment Delivery Supervisor (October 2022 to April 2023)

- Lead a team of 7 engineers and program managers.
- Coach and develop junior team members.
- Supervise a budget of approximately \$8 million.
- Deliver carbon reduction programs and strategies to contribute to SMUD's Zero Carbon plan.

Pacific Energy Advisors (PEA), Folsom, CA

September 2021 to October 2022

PEA specializes in working with load aggregators offering an alternative to the investor-owned utilities. PEA helped launch the first community choice aggregator (CCA) program in California and have supported a large majority of CCA programs during their initial startup phase on through to mature operations. PEA's services include procurement of energy, capacity and renewable energy, design of portfolio risk management programs, retail electric rate design, financial modeling, and program administration.

Associate Director (September 2021 to October 2022)

- Analyze and recommend large commodity purchases up to \$200M for client portfolios.
- Recommendation of risk mitigation and energy portfolio optimization strategies to C-Suite customers.
- Review changing technologies for clients.
- Portfolio and resource modeling via analytical tool and methods.

Sacramento Municipal Utility District (SMUD), Sacramento, CA

August 2017 to September 2021

Principal Risk Specialist (August 2017 to September 2021)

- Stochastic risk analysis for \$450 million power and gas portfolio.
- Design, implement, and operate long-term hedge, risk, and budget models for multi-million-dollar portfolios.
- Led project to replace multi-million-dollar forecasting software.
- Created commodity risk policies and strategies for community choice aggregation (CCA) clients.
- Built and managed SQL data warehouse for Commodity Risk Management department.

Senior Market Analyst (August 2015 to August 2017)

- Analyze and report regulatory rules and laws as they effect the utility's long-term strategy and goals.
- Research and develop methodologies for modeling and implementing new resources.
- Conducted economic analysis on renewable, transmission, storage, and traditional energy projects ranging from \$1 million to \$350 million in cost.
- Built and managed SQL data warehouse for Resource Planning department.

City of Sacramento, Utilities Rate Advisory Commission, Sacramento, CA

September 2015 to 2017

The City of Sacramento is the capital of California with approximately 500,000 residents. The Utilities Rate Advisory commission was created to help advise the city council on items relating to the City's Water, Wastewater, and Waste Collection departments.

Commissioner (September 2015 to 2017)

- Review and comment on proposals made by the city's department for changes to utility service rates.
- Develop and provide recommendations to Sacramento City Council related to setting rates.
- Hold rate hearings on proposals to increase utility service rates and provide recommendations to city council.

City of Roseville, Roseville Electric, Roseville, CA

April 2011 to August 2015

Roseville Electric Utility is a community-owned electric utility located in the City of Roseville in Northern California. Roseville Electric serves over 59,000 residential and commercial accounts. Roseville provides approximately 1,000 GWhs of annual energy sales with a 350 MW peak.

Electric Resources Analyst (March 2012 to August 2015)

- Project lead managing Roseville's large Federal power contracts (Federal Hydro Power & Transmission).
- Perform budgeting, forecasting, and regulatory reporting for \$80 million commodity portfolio.
- Create portfolio hedge recommendations up to \$35 million.
- Manage relationships with multiple public and private counterparties.
- Write communications for internal and external consumption, including city council.
- Optimize utility's portfolio of resources by analyzing industry and market trends.
- Managed SQL data warehouse.

Energy Specialist (April 2011 to March 2012)

- Developed \$5 million HVAC rebate program to benefit Roseville customers.
- Created and delivered technical presentations to public.
- Conducted community outreach events for program implementations.
- Collaborated with multiple stakeholders from internal departments to the external customer in the development, design, and implementation of residential energy efficiency programs.
- Managed and maintained third party residential energy efficiency contracts.

Optimized Energy & Facilities Consulting, Rocklin, CA

December 2008 to April 2011

Optimized Energy & Facilities Consulting (OEFC) is an engineering services firm providing services to the greater Sacramento area. OEFC conducts of engineering and energy related services for municipal utility, government, and commercial clients.

Project Manager (November 2009 to April 2011)

- Lead multiple engineering design and energy efficiency projects for residential, commercial, and government clients.
- Managed \$3 million design project for buried utilities and lightning protection at Beale Air Force Base.
- Audited multiple municipal utility rebate programs; afterwards, worked with utilities to resolve issues.
- Provide technical third-party review of utility energy efficiency programs.

Technician IV (December 2008 to November 2009)

- Conducted energy and budgetary forecasting for verification of energy conservation measures.
- Lead budgetary and investment grade energy audits in commercial, military, and government facilities.
- Provided technical reporting for energy audits, grants, and feasibility studies.

County of Yolo, Facilities Maintenance Dept., Woodland, CA

June 2006 to December 2008

Yolo County is a full-service county located in Northern California. The county provides traditional county services along with municipal and statewide services.

Acting Facilities Services Coordinator & College Intern

- Optimized utility consumption and budgetary costs for one million square feet of county buildings.
- Coordinated building maintenance issues with facility service technicians and county customers.

- Managed \$1 million janitorial contract, which included more than 50 county buildings.

Education

- Master of Business Administration, California State University, Sacramento
- Bachelor of Arts in Economics, University of California, Davis

Achievements, Certifications, & Memberships

- Beta Gamma Sigma Honor Society
- Phi Kappa Phi Honor Society
- Engineer-in-Training (EIT)
- Energy Manager in Training (EMIT)