

Magdalena Rosario V. Sta. Maria

Email: magdalena.stamaria@ceo.sccgov.org

Summary: Climate resilience and adaptation lead for the County of Santa Clara Office of Sustainability. Manages projects to support climate adaptation planning with public agencies and other organizations. Strong analytical background and 13 years of experience in academic research with deep interest in data, metrics, analysis and trends.

WORK EXPERIENCE

County of Santa Clara, San Jose, California

May 2023 – present

Management Analyst/Senior Management Analyst, Office of Sustainability

- Climate resilience and adaptation lead for the Office
- Staff lead for the [Santa Clara County Climate Collaborative](#) and its [Flooding and Sea Level Rise Work Group](#)
- Manage grant received from National Fish and Wildlife Foundation National Coastal Resilience Fund whose first phase of funding led to the creation of the [Santa Clara County Climate Hub](#) and [Climate Resilience Tool](#)
- Lead other funding proposal submissions, as available
- Interface and engage with County departments, agencies, and jurisdictions for resiliency and adaptation planning
- Serve as subject matter expert for climate resilience considerations in updates for the County General Plan Elements (e.g., Safety and Health/Environmental Justice Elements) and the Local Hazard Mitigation Plan.
- Interface and engage with County departments, agencies, and other stakeholders in support of [Sustainability Master Plan](#) and other OOS projects and activities
- Track time and expenses as needed to support various contract and grant invoicing
- Perform research and analysis as needed to support OOS projects and legislative files
- Work with Contract and Grant Management group to create and implement contracts and RFPs
- Conduct surveys and needs analyses as needed for OOS projects
- Create, write, and submit legislative files for OOS grants, contracts, projects and activities
- Create and write OOS reports for submission to Board Commissions
- Manage, update, and build OOS website and other project webpages
- Manage OOS SharePoint sites for optimum sharing and collaboration between both internal and external stakeholders

County of Santa Clara, San Jose, California

November 2019 – May 2023

Management Analyst, Office of Sustainability

- Contract Manager for Silicon Valley 2.0 Tool (SV 2.0) Update
- Project lead for County Climate Coalition, SV 2.0, and Diesel Free by '33 projects
- Led funding proposal submissions, as available
- Managed grant applied for and received from National Fish and Wildlife Foundation National Coastal Resilience Fund
- Co-led County's activities for the BayREN's Single Family and Multifamily programs and support other BayREN programs as needed
- Served as subject matter expert for climate resilience considerations in updates for the County General Plan Elements (e.g., Safety and Health/Environmental Justice Elements) and the Local Hazard Mitigation Plan.
- Interfaced and engaged with County departments, agencies, and jurisdictions for resiliency and adaptation planning
- Interfaced and engaged with other Counties and external stakeholders for Office of Sustainability (OOS) projects, such as County Climate Coalition, SV 2.0
- Interfaced and engaged with County departments and agencies in support of Sustainability Master Plan and other OOS projects and activities
- Performed research and analysis as needed to support OOS projects and legislative files
- Worked with Contract and Grant Management group to create and implement contracts and RFPs
- Conducted surveys and needs analyses as needed for OOS projects
- Created, wrote, and submitted legislative files for OOS projects and activities
- Created and wrote OOS reports for submission to Board Commissions
- Supported activities needed for the Sustainability Master Plan project
- Managed, updated, and built OOS website and other project webpages
- Managed OOS SharePoint sites for optimum sharing and collaboration between both internal and external stakeholders
- Tracked time and expenses as needed to support OOS and BayREN invoicing
- Worked as a team lead, then a team member, for the County's Case Investigator and Contact Tracer (CICT) effort when activated as a Disaster Service Worker
- Supervised team of up to 8 Contact Tracers when assigned as a CICT team lead

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- Worked with State Database for Contact Tracing

Santa Clara County, San Jose, California

December 2017 – October 2019

Management Aide/Associate Management Analyst, Registrar of Voters

- Created and revised policies and procedures for the Office of the Registrar of Voters
- Created and submitted legislative files
- Gathered election-related data and generated Post Election Reports after every election
- Conducted systems and analytical studies on organization, procedures, budgetary requirements, human resources management and other related management functions
- Collected, tabulated and analyzed a wide variety of data using appropriate statistical methods to determine trends, cycles, and underlying factors
- Gathered data and analyzed information, and prepares reports outlining methodology, analysis recommendations related to election and organizational
- Analyzed programmatic practices and procedures and makes recommendations for organizational, operational, policy, and procedural improvements
- Conducted needs analysis, feasibility studies, and evaluations for assigned projects and programs
- Developed and analyzed quantitative data for management control and evaluation purposes
- Prepared and participated in writing reports, program documentation, policies, procedures and other written materials
- Managed projects and develops study project plans; effectively recommends study parameters and determines appropriate methodology and sources of information for assigned studies/projects

Grifols Diagnostic Solutions, Emeryville, California

February 201 – December 2016

Technical Writer/Specialist, Manufacturing Support

- Managed the implementation of process improvements by leading cross-functional meetings, owning change controls, leading investigation studies, writing protocols and reports, and driving revisions to applicable department documentation including Batch Production Documents (BPDs) and Standard Operating Procedures (SOPs)
- Analyzed operational data and utilized statistical process monitoring tools, such as Excel and JMP, to reduce process variability and support project implementation
- Increased the effectiveness of Manufacturing processes by driving and supporting process technology transfers from other departments
- Generated yield reports based on available operational data to support business and process continuity
- Supported project implementation by writing risk assessments and technical assessments
- Ensured critical process parameters were monitored appropriately by authoring and revising Criticality Assessments (CAs)
- Reduced redundancies in the Bulk Fill process and improved process efficiency by simplifying BPDs and transferring Bulk Fill Process instructions to applicable SOP(s).
- Designed BPDs and supported creation of new SOPs for startup in new manufacturing facility
- Assisted department staff with production support activities including pre-production checks and equipment testing activities as required.
- Completed implementation of a new process in manufacturing by leading cross functional meetings and coordinating all required document revisions

EDUCATION

Stanford University, Stanford, California

April 2005 – June 2013

Ph.D. in Atmosphere/Energy, Civil and Environmental Engineering

Dissertation Title: “Simulating the interaction between wind turbines and the atmosphere using a blade element momentum model coupled to a full 3D atmospheric model”

San Jose State University, San Jose, California

August 2000 – May 2003

M.S. in Meteorology

Thesis Title: “Dynamic and Thermal Circulations over the Tharsis Region on Mars”

Ateneo de Manila University, Quezon City, Philippines

June 1994 – March 1999

B.S. in Computer Engineering

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B.S. in Physics