

Summary of Qualifications



ENERGY & UTILITIES PROJECTS

When multi-million-dollar projects are on the line every detail counts. Since 2002, we have been helping contractors, owners and agencies save time and money with proven leadership for construction management. Our program and project management, cost engineering, scheduling, estimating and claims resolution give visibility to keep projects and profitability on track, and to ensure peace of mind.

Our Qualifications

Experience	CM Solutions supports major programs with hundreds of construction projects for energy & utilities providers all over Southern California, including natural gas pipelines, compressor stations, electric transmission and distribution, transformers, solar generation, and wind fields.
Expertise	Experts with variety of backgrounds and certifications, including PE, PMP, PSP, PMI-SP, PMI-RMP, CCP and Six Sigma.
Diversity	Federal, state and local certifications for SBE, DBE, WBE, WOSB, LBE and LSBE.
Presence	Headquarters in California, with programs in Washington, Arizona, Colorado, Florida, New York, New Jersey, Tennessee and Texas

Our Services

Program & Project Services	Planning & Scheduling	Cost Controls	Risk Management & Claims Avoidance	Executive Reporting & Dashboards
<ul style="list-style-type: none"> • Construction Management • Scope Management • Environmental Reviews, Permitting • Contract Compliance 	<ul style="list-style-type: none"> • CPM Scheduling • Project Planning • Time Impact Analysis • 4D & 5D Scheduling & Modeling 	<ul style="list-style-type: none"> • Program and Project Budgets • Cost Forecasting • Earned Value Management • Estimating 	<ul style="list-style-type: none"> • Claims Preparation • Management of Change • Schedule Risk Analysis • Time Impact Analysis 	<ul style="list-style-type: none"> • Dashboards for Complex Projects • Integrating Systems and Data • Power BI • Training for Project Teams

ENERGY & UTILITIES

We Trust To Power Our World

\$10B

Project Value

70

Consultants



Electric Distribution Planning Program Management

Owner: San Diego Gas & Electric
Project Value: \$250 million/yr

CM Solutions is providing program management for projects from preconstruction through completion. Our team includes a program manager, project managers, coordinators, cost engineers, and schedulers who improve quality, manage scope and reduce project execution time. SDG&E is expanding and modernizing its electric distribution system to increase capacity and to reduce stress on the power grid.

Artesian Substation Expansion

Owner: San Diego Gas & Electric
Project Value: Multi-million

CM Solutions schedulers maintained the schedule, provided analysis of schedules and finances, and provide risk management and continuous process improvement. Increased demand for energy has created congestion on the existing power lines. The new Artesian Substation nearly doubles the footprint of an older 69/12kV distribution substation and includes upgrades to the equipment and connections to transmission lines.

Line 1600 Pipeline Safety Enhancement Plan

Owner: San Diego Gas & Electric
Project Value: \$1.5 billion

CMS provided critical cost controls, change management and document control support, including strategic financial plans, improvements to the financial processes and performance measurements, and advising on operational and resource management. Line 1600 is a 50-mi natural gas transmission pipeline that is a critical supply of natural gas for approximately 150,000 customers in Southern California. SDG&E upgraded it over several years to enhance the safety of the natural gas transmission system and meet new state laws and regulations.

Natural Gas Major Projects

Owner: Southern California Gas
Project Value: Multi-billion

CMS is supporting Sempra with schedulers, cost engineers, project managers, change coordinators, and estimators. CMS developed project procedures and training materials to bring industry best practices, and introduced methods and tools to accurately forecast control and manage projects. Sempra Energy has an extensive construction program, including building new facilities, modernization of existing facilities, and thousands of miles of pipeline.

Blythe Compressor Station Plant 4

Owner: Southern California Gas
Project Value: \$325 million

CMS provided scheduling and cost controls services from engineering through completion. During construction, CMS staff were on site, providing scheduling and estimating services, including crew analysis, time impact analysis, risk assessment and negotiation of change orders. The Blythe Compressor Station project involved design and construction of a new compressor plant and auxiliary equipment.

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Project Name	Project Type	Project Description	Owner / Agency	Project Value	Project Dates
Natural Gas Pipeline Safety Enhancement Plan (PSEP)	Pipelines, Natural Gas	<p>The Pipeline Safety Enhancement Plan (PSEP) was established to promote the continued safety and integrity of our natural gas transmission pipelines, and to meet California Public Utilities Commission (CPUC) requirements. This 25-year program includes over 250 projects involving replacing hundreds of miles of pipeline, as well as testing and replacing valves.</p> <p>CMS schedulers and cost engineers work with the project teams to keep these projects on track. CMS also developed project procedures and training materials to bring industry best practices to program management.</p>	So Cal Gas (SCG)	Multi-billion	2017-Present
Gas Transmission Integrity Management Program (TIMP)	Gas Pipelines	<p>This program performs assessments to identify and remediate existing pipeline threats within SoCalGas's transmission system.</p> <p>CMS is providing cost management, financial reporting, rate proposals, financial compliance support.</p>	San Diego Gas & Electric (SDG&E)	\$681M	2023-Present
Moreno Compressor Station Modernization	Gas Compressor Stations, Natural Gas	<p>Sempra is modernizing and expanding the existing Moreno natural gas compressor station to incorporate alternative renewable energy in electric and turbine-driven compressors. Innovative technology will achieve significant reductions in emissions to support California's climate commitment goals.</p> <p>CM Solutions provides project controls support with scheduling and cost controls through the entire lifecycle of this EPC project. We also perform change management, ensuring efficient document flow for over 100 changes during the engineering phase of the EPC contract.</p>	So Cal Gas (SCG)	\$638M	2015-Present
Estimating for Natural Gas Projects	Natural Gas	CMS is providing estimating services for various gas pipeline projects, including contingency planning, risk analysis, BOM, and building construction contractor costs.	So Cal Gas (SCG)	\$50M	2024-Present
Line 1600 Pipeline Safety Enhancement Plan	Natural Gas Distribution, Gas Pipelines, Natural Gas	<p>Line 1600 is a 50-mi natural gas transmission pipeline that serves as the primary or sole supply of natural gas for approximately 150,000 customers in Southern California. SDG&E upgraded it over several years to enhance the safety of the natural gas transmission system and meet new state laws and regulations.</p> <p>CMS provided critical cost controls, change management and document control support, including strategic financial plans, improvements to the financial processes and performance measurements, and advising on operational and resource management.</p>	San Diego Gas & Electric (SDG&E)	\$1.15B	2021-2024
SDGE Electric Distribution Planning Program Management	Electric Transmission	<p>SDG&E is expanding and modernizing its electric distribution system to increase capacity and to reduce stress on the power grid.</p> <p>CM Solutions is providing program management for projects from preconstruction through completion. Our team includes a program manager, project managers, coordinators, cost engineers, and schedulers who improve quality, manage scope and reduce project execution time.</p>	San Diego Gas & Electric (SDG&E)	\$250M per year	2021-Present

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Project Name	Project Type	Project Description	Owner / Agency	Project Value	Project Dates
Various High and Medium Pressure Gas Pipeline Projects	Pipelines, Natural Gas, Natural Gas Distribution	SoCalGas is continuously upgrading and expanding its network of high pressure and medium pressure natural gas pipelines along streets and highways in Southern California. CMS provided cost comparisons and variances on multiple projects, including summaries of the overhead costs, materials, property taxes, AFUDC, and other costs.	So Cal Gas (SCG)	Multi-million	2023-Present
SDGE Electric System Hardening	Electric Transmission	The Electric System Hardening program addresses fire risk by modernizing critical and aging infrastructure, including replacement of wiring and electrical poles, and upgrading the older overhead electric distribution system. CMS provides scheduling support services for the program, managing over 1,100 individual project schedules from planning to close-out.	San Diego Gas & Electric (SDG&E)	\$1.5B	2019-Present
Natural Gas Major Projects	Natural Gas, Gas Compressor Stations	In 2001, Sempra Energy began a period of unprecedented growth, including construction of new facilities, modernization of existing facilities, and thousands of miles of pipeline. Current major projects include several compressor stations under the Southern California Gas Expansion Program. CMS is supporting the Sempra project controls team with schedulers, cost engineers, change coordinators, project managers, and estimators. CMS developed project procedures and training materials to bring industry best practices to program management.	So Cal Gas (SCG)	Multi-billion	2014-Present
Control Center Modernization Program	Natural Gas, Natural Gas Distribution	This program involves modernizing over 200 existing regulator stations with remote-control capabilities to monitor pressure and flow across the gas distribution network in Southern California. CMS project managers were selected to lead the projects from engineering through procurement and construction. Site challenges include easements, aesthetics and stakeholder agreement. Our team also captures the lessons learned for the entire program.	So Cal Gas (SCG)	\$200M	2022-Present
SDGE Reliability Enhancement Projects	Electric Transmission	The portfolio of 500 upgrade and maintenance reliability enhancement projects are part of SDG&E's Electric System Hardening program to reduce wildfire risk and the impact of public safety power shut-offs during extreme weather. CMS schedulers work closely with SDG&E's designers to follow up on design, permits and planning, and with construction project managers to ensure timely completion of each project. They developed methods to integrate data from multiple sources, and thus generate reliable status and forecasting reports, manage resources, and mitigate risk.	San Diego Gas & Electric (SDG&E)	Multi-million	2018-Present
Natural Gas Distribution-Project Management	Natural Gas, Gas Compressor Stations	The nation's largest natural gas distribution utility, SoCalGas committed almost \$10 billion to expand and upgrade its natural gas pipeline infrastructure. CM Solutions is providing project management and project controls support for projects from design and procurement through construction, then closeout and commissioning. Aligned with industry best practices, we developed procedures, methods and tools to accurately forecast, control and manage EPC projects.	So Cal Gas (SCG)	Multi-million	2022-Present

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Project Name	Project Type	Project Description	Owner / Agency	Project Value	Project Dates
SDGE Transmission Engineering and Master Scheduling	Electric Transmission, Electric Substation	<p>SDG&E has programs of utilities construction projects to modernize and upgrade the existing substations and electrical infrastructure in the greater San Diego area.</p> <p>CMS schedulers, cost engineers, and project managers work alongside the client's project teams to provide status and forecasting reports, manage resources, and mitigate risk for various major projects and portfolios of projects.</p>	San Diego Gas & Electric (SDG&E)	Multi-billion	2018-Present
SoCalGas PPMS Deployment	Natural Gas, Software Implementation	<p>The Project Portfolio Management System (PPMS) was implemented to help manage the organization's multibillion, multi year program of construction and modernization. It involved creating a roadmap to integrate multiple tools and resources, including Primavera Unifier and the Primavera Cloud project.</p> <p>CMS serves as the thought leader and business advisor, providing Primavera administrative support as a SME for schedulers.</p>	So Cal Gas (SCG)	Multi-million	2022-Present
Streamview Substation Rebuild & Expansion	Electric Substation, Energy	<p>This SDG&E substation is being expanded to meet current engineering standards and to enhance the electrical grid, while increasing capacity and reducing potential long-term outages for the growing population in San Diego.</p> <p>CMS managed the distribution scope of work and coordinated all project activities in design as well as in construction. CMS also served as the point of contact for budgetary and financial forecasting. This scope of work was completed ahead of time on budget.</p>	San Diego Gas & Electric (SDG&E)	Multi-million	2021-Present
Project City Notify (PCN)	Construction, Natural Gas, Utilities	<p>The Project City Notify (PCN) team streamlined communications between SoCalGas and the various cities where SCG has projects, ensuring both the City and the SCG construction crew were ready for the project to begin.</p> <p>The CMS team worked with the high visibility projects and Cities, as well as smaller projects and activities.</p>	So Cal Gas (SCG)	Multi-million	2024-2025
Monroe Interchange Project (Utilities)	Bridges, Roadways/Highways, Natural Gas, Natural Gas Distribution, Utilities	<p>This project involves gas utility relocation for the Monroe Street interchange project, which involves reconstructing and widening Monroe Street at Highway 10, ramp realignment and other modifications.</p> <p>CMS provided a Class 5 estimate for the proposed utility construction scope of work and provided risk analysis with contingencies on the high and low end. CMS also developed a template for Class 5 estimates to use with future projects.</p>	So Cal Gas (SCG)	\$3.1M	2023-2024
Natural Gas Pipeline-L1004 Jameson Lane Relocation Project	Natural Gas, Pipelines	<p>This project involved relocating a 160ft pipeline under the 101 freeway, using jack and bore with 24-inch casing and 16-inch carrier pipe.</p> <p>CM Solutions performed change controls, handled requests for information (RFI's), and audited cost estimates with time sheets and invoices. They streamlined the change management process and communications.</p>	So Cal Gas (SCG)	\$1M	2023-2024

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Natural Gas Pipeline-L3010 Class Location	Natural Gas, Pipelines	<p>Project involved replacing 3200ft of 30-in Line 3010 due to a change in Class location.</p> <p>CMS managed the change control process and facilitated weekly meetings with project stakeholders. Our team reduced changes to \$8.4 million, down from proposed changes of \$8.5 to \$8.8 million.</p>	San Diego Gas & Electric (SDG&E)	\$15M	2023-2024
Reconfigure C326 Underground Cable	Electric Transmission, Electric, Electric Distribution	<p>Project involved upgrading and modernizing a section of the electrical grid to improve reliability, efficiency, and resilience prior to summer peak of 2024.</p> <p>CM Solutions meticulously managed the project scope, budget, timeline, resources, stakeholders, issues, risks, compliance, documentation, and deliverables at every project stage.</p>	San Diego Gas & Electric (SDG&E)	Multi-million	2023-2024
Electric Distribution Critical Risk Projects (2023 Executive Watchlist)	Electric Transmission, Electric, Electric Emergency and Maintenance	<p>SDG&E identified 8 critical risk Executive Watchlist projects to be completed by June in order to mitigate electricity failure or outages during the upcoming summer's hottest weather.</p> <p>CM Solutions successfully ensured the timely completion. We proactively identified potential risks; collaborated with city officials for timely permitting, developed comprehensive reporting to provide regular updates, and ensured frequent communication with the team and stakeholders. The result was zero electricity failures and unplanned outages, enhancing the Electrical Distribution team's reputation.</p>	San Diego Gas & Electric (SDG&E)	\$4.5M	2023
Jamacha Substation Getaway Rebuild	Energy, Electric Substation, Electric, Electric Transmission	<p>The Jamacha substation rebuild required relocation of all distribution circuits, completed in 5 phases. Project involved installing a new switchgear, all feeder cables, and ductwork, and removing overhead poles part of the substation rack RFS.</p> <p>CM Solutions managed the design stage and coordinated with the substation and transmission teams to issue design packages. We also worked with engineering and construction to develop construction sequencing to optimize costs and the outages schedule.</p>	San Diego Gas & Electric (SDG&E)	\$3.5M	2022-2024
Electrical Switchgear Vault Egress (Hospital)	Electric, Hospitals, Claims	<p>This project for the hospital was in progress and experiencing delays.</p> <p>CMS performed a review of project documentation and status to document changes reported by contractor.</p>	Huntington Hospital	Multi-million	2022-2023
PG&E Butte Rebuild Program	Construction, Electric Distribution, Gas Pipelines, Community Engagement	<p>This program is part of PG&E's undergrounding initiative to bury powerlines underground to mitigate fire risk. Heavily damaged by wildfires, the program in Butte County represents the largest effort in the US to harden the system.</p> <p>CMS project managers work with property owners and other stakeholders to handle easements, permitting, traffic control, and community engagement.</p>	Pacific Gas & Electric (PG&E)	\$165M	2022-2023

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PG&E Electric Project Management T & S Project Controls	Construction, Electric Substation, Electric Transmission, Electric Emergency and Maintenance	This program involved substation upgrades, expansions, replacements, voltage support, reinforcements, security upgrades, NERC compliance, and emergent work. CMS provided project cost controls and scheduling support to a portfolio involving 34 electric distribution and transmission projects and 13 substations.	Pacific Gas & Electric (PG&E)	\$290M	2022-2023
Mobilehome Park Utility Conversion Program	Natural Gas	The Mobilehome Park Utility Conversion Program is a statewide, CPUC program to replace aging, privately owned, master-metered systems with new, utility-owned systems. CM Solutions provided scheduling support for a portfolio of mobile home utility conversion projects.	So Cal Gas (SCG)	Multi-million	2015-Present
Gas Operations Control Center	Natural Gas, Facilities	The new 60,000 sf Gas Operations Control Center is a resilient critical facility for monitoring the gas infrastructure assets across Southern California. It will have a large control room with server/storage, operations training and simulation facilities, and office space. CMS is providing scheduling services from the planning stages, including development of scheduling specifications, and a collaborative baseline schedule.	So Cal Gas (SCG)	Multi-million	2021-Present
Ventura Compressor Modernization Project	Gas Compressor Stations, Natural Gas	The Ventura compressor station, the only one on the SoCalGas coastal transmission system, is critical to energy reliability and resiliency for its 250,000+ customers in Ventura and up and down the California Central Coast. CMS is providing robust cost controls, scheduling, and change control for all phases of the project.	So Cal Gas (SCG)	Multi-million	2021-Present
RECLAIM Emissions Trading Projects	Natural Gas, Sustainable/Green Project	The Regional Clean Air Incentives Market (RECLAIM) program seeks to reduce emissions and develop better pollution control technologies. It uses an emission trading program that offers economic incentives for reducing the emissions of pollutants. CMS provides scheduling services to support this program. Our consultant prepared a sophisticated Monte Carlo Risk Analysis, which management used to make a critical decision on how to move their path forward.	So Cal Gas (SCG)	Multi-million	2020-Present
Storage Integrity Management Program (SIMP)	Natural Gas	The Storage Integrity Management Program (SIMP) is a comprehensive program to enhance underground gas storage well safety and integrity, and ensure compliance with new federal and state regulations. CMS is providing cost controls and reporting for this program.	So Cal Gas (SCG)	Multi-million	2020-Present
LAX Receiving Station RS-X	Airport Utilities, Electric	The new receiving station is a collaboration between Los Angeles World Airports and the City of LA Department of Water and Power and includes high voltage duct banks and a connection to LADWP substation equipment. CMS provided scheduling and cost engineering support for the project.	Los Angeles World Airports (LAWA)	\$112M	2020-2022

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Natural Gas Vehicle (NGV) Program	Natural Gas	This program involves upgrading and developing natural gas vehicle filling stations. CM Solutions provided scheduling and cost support for a portfolio of natural gas vehicle projects.	So Cal Gas (SCG)	Multi-million	2015-Present
Safety Forward Initiative	Safety, Corporate Culture	Safety Forward is an organization-wide initiative at So Cal Gas to increase the focus on the culture of safety. CMS developed the schedule for this complex 5-part initiative and a system for the qualitative progress measurement at both the overall program level, and within each phase.	So Cal Gas (SCG)	Multi-million	2022-2023
SCE Medicine Sub-transmission System	Electric Substation, Electric Transmission	The Medicine Subtransmission project involved construction of two additional 66 kV subtransmission lines into the new Medicine Substation, to handle increased customer load demand. CMS provided scheduling services for the engineering and design phase.	Southern California Edison (SCE)	Multi-million	2019-2022
SCE San Manuel Substation	Electric Substation, Electric Transmission	Project involved construction of a new 66kV substation with loop 66kV subtransmission lines and two diverse fiber optic routes to serve the casino expansion and to integrate with the existing substation and transformers. CMS worked closely with the contractor to set milestones, to provide the resource loaded schedule, and to ensure all SCE processes were handled.	Southern California Edison (SCE)	Multi-million	2019-2022
SDGE Artesian Substation Expansion	Electric Substation	Increased demand for energy has created congestion on the existing power lines. The new Artesian Substation nearly doubles the footprint of an older 69/12kV distribution substation and includes upgrades to the equipment and connections to transmission lines. CM Solutions schedulers maintained the schedule, provided analysis of schedules and finances, and provided risk management and continuous process improvement.	San Diego Gas & Electric (SDG&E)	Multi-million	2019-2021
SDGE Cleveland National Forest Powerline Replacement (CNF)	Electric Transmission	SDG&E and the U.S. Forest Service (USFS) are working together to increase safety and reliability of electric facilities throughout the Cleveland National Forest. Projects include replacement of transmission and distribution circuit lines and upgrading to steel poles. The project involved numerous constraints from weather conditions to environmental and cultural stakeholder issues. CMS provided scheduling support services for the program, including reviewing contractor schedules, providing daily and weekly field schedules, and preparing documentation for change order claims.	San Diego Gas & Electric (SDG&E)	Multi-million	2019-2021
SCE Riverside Transmission Reliability Project	Electric Transmission, Electric Substation	This project involved 10 miles of a double circuit 220kV transmission line with associated switching substation and telecom, with approx. 4 miles installed underground. CMS provided scheduling support during the planning phase to assess assumptions and alternatives.	Southern California Edison (SCE)	\$500M	2018-2022

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Project Name	Project Type	Project Description	Owner / Agency	Project Value	Project Dates
Blythe Compressor Station Plant 4	Gas Compressor Stations, Natural Gas	<p>The Blythe Compressor Station project involved design and construction of a new compressor plant and auxiliary equipment.</p> <p>CM Solutions provided scheduling and cost controls services from the engineering phase through completion. During the construction phase, CMS staff were onsite, providing scheduling and estimating services, including crew analysis, time impact analysis, risk assessment and negotiation of change orders.</p>	So Cal Gas (SCG)	\$325M	2017-2023
SoCalGas Primavera Cloud Deployment	Natural Gas, Software Implementation	<p>The client sought to combine multiple data sources into a seamless system. The new system reduced reporting time, increased accuracy, and provided a single interface to all end users.</p> <p>CMS deployed the new cloud system from multiple pre-existing systems including Primavera databases, HCSS estimating, SAP, Unifier, permitting systems, and more. A data map was prepared, then the data was restructured and recoded into a single system with a shared interface for all users.</p>	So Cal Gas (SCG)	Multi-million	2020-2021
SCE Electric Transmission & Substation Project Controls Services	Electric Transmission, Electric Substation	<p>One of the nation's largest electric utilities, SCE seeks to ensure a safe, reliable, and affordable electric grid with increasing new green energy sources.</p> <p>CMS project controls experts work with SCE and client contractors to support the construction and modernization of major transmission projects with scheduling, cost controls and data analytics. CMS also assisted with implementing Primavera P6 as an enterprise scheduling solution.</p>	Southern California Edison (SCE)	Multi-billion	2017-2023
Solar Power Generating Facility	Solar, Wastewater, Water, Electric, Sustainable/Green Project	<p>The project involved electrical upgrades including new transformers, equipment pads, shelters, cabling, security and lighting, for 3MW solar power generating facility for F.E. Weymouth Water Treatment Plant.</p> <p>CMS provided scheduling services, including development of the baseline schedule and monthly updates.</p>	Metropolitan Water District of So Cal (MWD)	\$3M	2015-2016
LAX 5th Feeder	Airport Utilities, Electric	<p>The utilities' fifth feeder was built to meet the airport's need for increased capacity and reliability to support the coming modernization projects. It involved new electrical duct banks and firewater and domestic water lines.</p> <p>CMS developed the fully resource and cost loaded baseline schedule for the four-phased approach, and provided monthly schedule updates.</p>	Los Angeles World Airports (LAWA)	\$20M	2014-2016
San Onofre Nuclear Generating Station (SONGS)	Nuclear Power Generation	<p>San Onofre Nuclear Generating Station (SONGS) is a 2,200MW twin nuclear reactor power station and one of the largest nuclear generating stations in the U.S. It was shut down in 2013 and is currently being safely decommissioned.</p> <p>CMS provided scheduling services to the Design Engineering Organization's (DEO) capital improvement program. CMS managed the fully resourced and cost loaded schedules. We also developed data reconciling procedures to collect SAP data and integrate it with real-time P6 schedules and reports.</p>	Southern California Edison (SCE)	\$200M	2011-2013