Section 3

Organization Qualifications

CDM Firm Qualifications

For more than 60 years, CDM has provided innovative solutions combined with responsive, professional service to our clients. Worldwide, we deliver a full range of services that satisfy client needs for progressive planning, environmental evaluation, engineering, design, consulting, program management, and construction management. With annual revenues of over $1 billion, and more than 4,500 professionals in 115 offices worldwide, CDM maintains the size, stability, and resources to take on a wide range of projects successfully. This impressive growth reflects a widespread geographical base.

Working to gain consensus from all stakeholders—both regulatory and other—on environmentally sensitive projects has become a foundational piece of CDM's business. Our recent work throughout the United States is a testament of our commitment to working with all parties to reach workable client solutions.

For the Los Angeles World Airports CDM led the negotiations/brokering of a multi-party agreement with the fire department, U.S. Army Corps of Engineers (USACE), U.S. Environmental Protection Agency (US EPA), CA Environmental Protection Agency (CA EPA), South Coast Air Quality Management District (SCAQCB), Regional Water Quality Control Board (RWQCB), and at least 6 other agencies to reach consensus on a comprehensive environmental management program designed to bring all airport facilities into compliance with all applicable environmental regulations.

CDM's contract with the Naval Facilities Engineering Command (NAVFAC) at Camp Pendleton also includes facilitating stakeholder agreements to

provide several services including the closure of contaminated bunker sites, environmental baseline surveys and other hazardous materials surveys, lift station improvements, sewage treatment plant repairs and upgrades, roadway designs, 10 miles of wastewater and reclaimed water pipeline . For these services CDM facilitated the negotiations/collaborations between NAVFAC, DTSC, CA Fish and Wildlife Services, RWQCB, SCAQCB, USACE, CA EPA, among several others to reach consensus for the landmark Camp Pendleton project.

At the Santa Susana Site, CDM is working with the U.S. Department of Energy and collaborating with the US EPA. Likewise, for the Gilbert and Mosley Project, an expanded remediation project including initial investigation through design, construction and monitoring, CDM is assisting the City of Wichita in negotiations with the US EPA, the State of Kansas, and the potentially responsible parties (PRPs) for cleanup and remediation. CDM was able to broker the collaboration and negotiated agreement of the PRPs to distribute the costs based on CDM's modeling to help cover the expenses for the cleanup and remediation activities.

CDM's Major Projects List

CDM is an international engineering consulting firm with more than 100 offices worldwide. Listing all of our current projects would result in over 1,000 project entries and several pages of material. To streamline these qualifications, the following table lists all the projects on which the both local offices are presently working, and the proposed team members.

Current Projects

Client/Project	Client/Project
Alameda County Water District – Brackish Water Desalination Final Design	Alameda County Water District – Mission San Jose Water Treatment Plant Design
City of Benicia – Air Quality Regulations	City of Benicia – I&I Improvement Program
City of Benicia – Wastewater Master Plan	City of Benicia – CAD/GIS Conversion
City of Benicia – Clearwell Coating Improvements	City of Benicia – Closeout of Soil Remediation
City of Benicia – WTP Control Room	City of Benicia – WTP Odor Control System
City of Brisbane - EIS/EIR	City of Klamath - EIS/EIR
Bay Area Water Supply and Conservation Agency – Phase II Water Supply Improvements Program	California Water Service Company – Integrated Long-Term Water Supply Master Plan
Central Contra Costa Sanitation District – Switchgear Refurbishment	City of South Lake Tahoe – Sierra Tract Phase 3
County of San Mateo – Walls-Colma Creek Project Phase I & II	Contra Costa Water District – Paso Nogal Pump Station
Contra Costa Water District – Seismic Assessment and Improvements	Diablo Water District – Stonecreek Well and Pump Station

Current Projects (continued)

Client/Project	Client/Project
EPA - Five year Reviews	KBC Baseline Ecological Risk Assessment
City of Folsom – WTP Preliminary Siting Study	City of Fresno – Groundwater Remediation
City of Fresno – Fresno Sanitary Landfill	Amco Chemical Superfund Site Focused Feasibility Study
City of Modesto – Peer Review-Rate Study	Montara Water and Sanitary District – Alta Vista Tank
Area IV Santa Susana Lab Project	Puchack Wells Superfund Site
Mare Island RAB Community Relations	City of Oakland - Remedial Investigation and Feasibility Pilot Testing
Horseshoe Superfund Site	Avoca Mining Site
City of Palo Alto – Camino Park/Mayfield Pump Stations	Placer County Department of Public Works – Snow Creek Stream Restoration
Placer County Department of Public Works – Tahoe Residential Water Quality Improvements	Placer County Department of Public Works – Truckee River Water Quality Master Plan
Placer County Department of Facility Services – Applegate Regional Sewer Design	San Jose International Airport – Environmental Services
City of Reno – Truckee Meadows Water Project	City of Santa Cruz – Graham Hill WTP Electrical Improvements
City of Santa Cruz – scwd2 Desalination Plant Design	Solano City Water Agency – North Bay Aqueduct
Sonoma County Water Agency – Dual Purpose Storage Investigation	Sonoma County Water Agency – Napa-Sonoma Salt Marsh
San Francisco Bay Area Rapid Transit - Risk Assessment	Harris County and Galveston Hurricane Ike Recovery Toxics Review
San Francisco Public Utilities Commission – Emergency Generator	San Francisco Public Utilities Commission – Harry Tracy WTP Improvements
San Francisco Public Utilities Commission – Forest Hill Pump Station	San Francisco Public Utilities Commission – San Joaquin Pipeline
Santa Clara Valley Water District – Rinconada WTP Design	South Feather Water and Power Agency – Miners Ranch Filter No. 3
Tahoe Resource Conservation District – Reach 1&2	Town of Truckee – Water Quality Monitoring Plan
City of Brentwood – Solid Waste Transfer Station	California Department of Transportation – Miscellanous As-Needed Services
City of Coalinga – Miscellaneous As-Needed Services	City of Coalinga – Palmer Reservoir
City of Coalinga – SRF Loan Assistance	City of Coalinga – Water Rate Study
Goleta West Sanitary District – SCADA System Design	Goleta West Sanitary District – Design of Main Trunks
City of Madera – Phase I Water System Improvements	Sonoma-Marin Area Rail Transit District – Cotati Phase II
South Bayside System Authority – Cogeneration Study	South Bayside System Authority – Electrical Reliability Project
Union Pacific –As-Needed Environmental Services	Sherwin-Williams, Emeryville, CA - Remedial Design

Staff Resources

With more than 90 staff members, CDM's Walnut Creek office offers a full design center. The office offers a wide variety of in-house services, including CAD, GIS, environmental scientists, environmental engineers, water treatment engineers, pipeline, solid waste, assessment, modeling, and construction. This depth of local talent provides the City of Bencia with the resources necessary to meet any as-needed project demands.

We have assigned a team of our most qualified technical professionals and support staff to make sure this project is completed successfully. Based on our level of effort to complete this work, we have assigned a specific percentage that each team member will be assigned to your project. We are prepared to adjust these estimated levels of commitment as required to meet the actual demands of the project.

Team Member Current Projects and Project Availability

Team Member/Projects	Project Availability
Pawan Sharma, P.E. – Project Manager ▪ Confidential Client, Bay Area – Project Manager: property demolition and redevelopment – *Current/Ongoing* ▪ Sherwin-Williams Company – Project Manager: remedial design and implementation / contractor bid and selection – *Current/Ongoing* ▪ Union Pacific Railroad – Technical Advisor: remedial investigation, treatability studies, remedy design – *Current/Ongoing*	30%
Yash Nyznyk, P.E., BCEE, LEED AP – Technical Advisor ▪ Fresno Sanitary Landfill Superfund Site -- Groundwater Remedial Action – *Current/Ongoing* ▪ AMCO Chemical Superfund Site Focused Feasibility Study – *Current/Ongoing* ▪ Miscellaneous Project Work – *Current/Ongoing*	35%
Randy Smith, P.E. – Technical Advisor ▪ Technical Advisor and Program Director, portfolio of remediation projects for confidential industrial client – *Current/Ongoing* ▪ Principal-in-Charge, industrial food processing wastewater treatment system, central California – *Current/Ongoing* ▪ Principal-in-Charge and Engineer of Record, major soil and groundwater remediation project (FS/RAP/RDIP), industrial coatings company client, Emeryville, CA – *Current/Ongoing*	35%
Roger Olsen, Ph.D. – Technical Advisor ▪ Puchack Wells Superfund Site: In situ groundwater remediation of Chromium 6+; client USACE; technical reviewer for design – **Current/Ongoing** ▪ Horseshoe Superfund Site: Remediation of arsenic in marsh and river sediments; client USACE; technical reviewer and task leader for geochemical modeling – *Current/Ongoing* ▪ Avoca Mining Site: Remediation of abandoned copper mining site in Ireland; client Geological Survey of Ireland; technical director – *Current/Ongoing*	35%
Vibhav Mankad, P.E. – Project Engineer ▪ Oakland, CA – remedial investigation and feasibility study pilot testing – *Current/Ongoing* ▪ Watsonville, CA – remedial investigation – *Current/Ongoing* ▪ Salinas, CA – feasibility study – *Current/Ongoing* ▪ South San Francisco, CA – remedial investigation – *Current/Ongoing* ▪ Mountain View, CA – remedial action and performance monitoring – *Current/Ongoing* ▪ San Jose, CA – remedial action – *Current/Ongoing* ▪ San Mateo, CA – remedial investigation and risk assessment – *Current/Ongoing*	25%
Peggy Bloisa, R.G. – Project Hydrogeologist ▪ Area IV Santa Susana Field Lab project – *Current/Ongoing*	40%
Kassandra Tzou, P.E. – Risk Assessment ▪ EPA Five Year Reviews – *Current/Ongoing* ▪ KBV Baseline Ecological Risk assessment – *Current/Ongoing* ▪ Klamath EIS/R – *Current/Ongoing* ▪ Brisbane EIS/R – *Current/Ongoing* ▪ BART – *Current/Ongoing* ▪ Albion Risk Assessment – *Current/Ongoing* ▪ Lockheed Risk Assessment – *Current/Ongoing*	40%
Carolyn Moore – Community Relations ▪ SJC Airport Environmental Plans – *Current/Ongoing* ▪ Harris County and Galveston Hurricane Ike Recovery Toxics Review – *Current/Ongoing* ▪ Mare Island RAB Community Relations – *Current/Ongoing* ▪ AMCO Superfund Site – *Current/Ongoing*	50%