

## CORPORATE EXPERIENCE

### Studies and Investigations:

Alameda County Courthouse and Admin. Building Complex, Oakland, CA	Energy Retrofit Feasibility
Alameda County, Hayward Hall of Justice, Hayward, CA	Indoor Air Quality and HVAC System Evaluation
Alameda County, 224 W. Winton Building, Hayward, CA	HVAC System Investigation
Alameda County, 224 W. Winton Building, Hayward, CA	HVAC, Power Dist. and Fire Protection Master Plan
Alameda County Water District, Fremont, CA	HVAC System Restoration Evaluation
Alta Bates Medical Center, Berkeley, CA	Energy Conservation Potential Assessment
Alvarado Hospital Medical Center, San Diego, CA	Energy Conservation Potential Assessment
American President Lines, Oakland, CA	Multi-building HVAC System Evaluation
AMEX Life Assurance Company, San Rafael, CA	Investigate Electrical Power Distribution Problems
Ampex Corporation, Redwood City, CA	Energy Retrofit Feasibility
Apple Computer, Cupertino, CA	Investigate Domestic Hot Water System Problems
Applied Materials, Santa Clara, CA	Energy Retrofit Feasibility
ARMCO Building, Houston, TX	Energy Retrofit Feasibility
Auburn Faith Community Hospital, Auburn, CA	Energy Conservation Potential Assessment
Cal-Bio, Palo Alto, CA	Energy Retrofit Feasibility
California Pacific Medical Center	California Campus Energy Conservation Potential Assessment
California Pacific Medical Center	California Campus Energy Retrofit Feasibility
California Pacific Medical Center	Pacific Campus Energy Conservation Potential Assessment
Campus Crusade, San Bernardino, CA	Investigate Geothermal Conversion
Central Elementary School, Belmont, CA	Heating System Restoration Study
Central Square, Houston, TX	Energy Retrofit Feasibility
Cetus Corporation, Emeryville, CA	Energy Retrofit Feasibility
City of Fairfield, CA	Energy Retrofit Feasibility
City and County of San Francisco, CA	Preliminary Energy Retrofit Feasibility, San Francisco General Hospital
Clorox Building, Oakland, CA	Energy Conservation Potential Assessment
Clorox Building, Oakland, CA	Tenant Energy Use Survey
Coalinga Regional Hospital, Coalinga, CA	Energy Retrofit Feasibility
College of Marin, Kentfield, CA	Investigate Chiller Replacement at Library
College of Marin, Kentfield, CA	Investigate Rooftop Unit Replacement at the Harlan Center
College of Marin, Indian Valley, CA	Investigate Restoration of Pool Boilers and Cogeneration System
Community Legal Aid Society of Alameda County, Oakland, CA	HVAC System Evaluation
Contra Costa County, Martinez, CA	Energy Retrofit and HVAC System Evaluation
Delaware State College, Dover, DE	Energy Retrofit Feasibility
DMD Building, San Mateo, CA	Energy Retrofit Feasibility, HVAC Restoration
East Central University, Ada, OK	Energy Conservation Potential Assessment
Elk Grove High School, Elk Grove, CA	Energy Conservation Potential Assessment
Emery Pub, Emeryville, CA	Investigation of Kitchen Hood System Problems
Fannie Mae, Washington, DC	Headquarters Building, Energy Conservation Potential Assessment
Fireman's Fund Life Insurance, San Rafael, CA	Investigate Chilled Water System Modifications
Fireman's Fund Life Insurance, San Rafael, CA	Evaluate Cooling Tower Modifications
First Nationwide Savings Building, Concord, CA	Energy Retrofit Feasibility
Forum Building, Sacramento, CA	Energy Conservation Potential Assessment
Fox Elementary School, Belmont, CA	Heating System Restoration Study
Foothill-De Anza Community College District	Develop HVAC Master Plan
Foothill-De Anza Community College District	Develop 2-Campus Domestic Water System Restoration Master Plan
Fremont Hospital, Yuba City, CA	Energy Conservation Potential Assessment
Fresno Pacific College, Fresno, CA	Energy Retrofit Feasibility
Gavilan College, Gilroy, CA	Cogeneration Feasibility
General Cinema Theatres, Fremont, CA	Investigate Building Pressurization Problems
General Cinema Theatres, Los Angeles, CA	Investigate HVAC System Problems
Great Western Bank, Palo Alto, CA	Investigate HVAC System Problems
Good Samaritan Medical Center, San Jose, CA	Energy Conservation Potential Assessment

Studies and Investigations, continued...

Hibernia Bank, Walnut Creek, CA	Energy Conservation Potential Assessment
HEAF, Lawrence Livermore Natl. Laboratory, Livermore, CA	Conceptual Design Study
Hexcel Corporation, Dublin, CA	Investigate Computer Center HVAC System Problems
Hexcel Corporation, Dublin, CA	Evaluate R&D Building HVAC Systems
Hexcel Corporation, Dublin, CA	Evaluate New Office Building HVAC Systems
Hill Street Building, Reno, NV	Mechanical and Electrical Redevelopment
Hilton Hotel and Casino, Reno, NV	Study Cashier's Area HVAC Remodeling
Holiday Inn, Santa Cruz, CA	Energy Retrofit Feasibility
Jesse Jones High School, Houston, TX	Energy Retrofit Feasibility
Jesuit High School, Sacramento, CA	Energy Conservation Potential Assessment
John Muir Medical Center, Walnut Creek, CA	Energy Retrofit Feasibility
John Muir Medical Center, Walnut Creek, CA	Thermal Energy Storage System Feasibility
John Muir Medical Center, Walnut Creek, CA	Develop Emergency Power Master Plan
John Muir Medical Center, Walnut Creek, CA	Investigate Building Pressurization at Administration Building
John Muir Medical Center, Walnut Creek, CA	Underground Storage Tank Replacement Plan, Admin Bldg.
John Muir Medical Center, Walnut Creek, CA	Isolation Room Condition Assessment and Documentation
John Muir Medical Center, Walnut Creek, CA	Investigate Endoscopy Negative Pressure Treatment Room
Laney Community College, Oakland, CA	Master Plan for Swimming Pool Restoration
Liberty Tower Building, Oklahoma City, OK	Energy Retrofit Feasibility
Live Oak High School, Morgan Hill, CA	Energy Retrofit and Cogeneration Feasibility
Los Alamitos High School, Los Alamitos, CA	Energy Retrofit Feasibility
Luther Burbank School District, San Jose, CA	Building Automation System Evaluation
Marin County Civic Center, San Rafael, CA	Central Cooling Plant Retrofit Feasibility
Mark Hopkins Hotel, San Francisco, CA	Energy Retrofit Feasibility
Marshalls, Boston, MA	Energy Retrofit Feasibility
Morgan Hill USD, Morgan Hill, CA	District-Wide Energy Retrofit & Cogeneration Feasibility
Moreland USD, San Jose, CA	Multi-School Heating System Replacement Study
Nesbit Elementary School, Belmont, CA	Heating System Replacement Study
Niagara Falls Convention Center, Niagara Falls, NY	Energy Retrofit Feasibility
North American Mortgage Company	Evaluate HVAC and Thermal Energy Storage System
Northern California Presbyterian Homes, CA	Sequoias•San Francisco Energy Retrofit Feasibility
Northern California Presbyterian Homes, CA	Sequoias•Portola Valley Energy Retrofit Feasibility
Northern California Presbyterian Homes, CA	Tamalpais Energy Retrofit Feasibility
Northern California Presbyterian Homes, CA	Investigate Domestic Water System at the Tamalpais
Northern California Presbyterian Homes, CA	Sequoias•San Francisco Facility Restoration Master Plan
Northern California Presbyterian Homes, CA	Sequoias•Portola Valley Facility Restoration Master Plan
Northern California Presbyterian Homes, CA	Tamalpais Facility Restoration Master Plan
Northern California Presbyterian Homes, CA	Tamalpais Power Distribution Restoration Plan
Northern California Presbyterian Homes, CA	Tamalpais Air Handling System Assessment and Restoration Plan
111 Building, Dayton, OH	Energy Retrofit Feasibility
Ohlone Community College, Fremont, CA	Energy Retrofit Feasibility
One Hallidie Plaza, San Francisco, CA	Energy Retrofit Feasibility
Pacific Gas and Electric Company, San Francisco, CA	Green Lights Program
Pacific Park Plaza, Emeryville, CA	Evaluate Cogeneration System
Pacific Grove USD, Pacific Grove, CA	District-Wide Energy Retrofit & Cogeneration Feasibility
Paramount Studios, Hollywood, CA	Energy Retrofit Feasibility
Pennzoil Place, Houston, TX	Energy Retrofit Feasibility
Piedmont Gardens, Oakland, Ca	Investigate Indoor Air Quality Problems
Pomona Valley Hospital Medical Center, Pomona, CA	Energy Conservation Potential Assessment
RAFC (BART), Oakland, CA	HVAC System Evaluation for Joseph P.Bort MetroCenter
Ralston Elementary School, Belmont, CA	Heating System Restoration Study
Remington Properties, Alameda, CA	Investigation of Residential HVAC Systems (Seastrand, Modesto, Stonegate, and Country Club Terrace Projects)
Reno-Sparks YWCA, Reno, NV	Energy Retrofit Feasibility
Republic Bank Center, Hines Interests, Houston TX	Energy Conservation Potential Assessment
Richmond Yacht Club, Richmond, CA	Investigation of Kitchen Hood System Problems

Studies and Investigations, continued...

Ridout Hospital, Marysville, CA	Energy Conservation Potential Assessment
Rio Lindo USD, Rio Lindo, CA	District-Wide Energy Retrofit Feasibility
Riordan High School, San Francisco, CA	Energy Retrofit Feasibility, HVAC Restoration
Rockwell International, Downey, CA	Energy Retrofit Feasibility, Buildings 003 & 305
St. Joseph Hospital, Albuquerque, NM	Energy Conservation Potential Assessment
St. Mary of the Plains College, Dodge City, KS	Energy Retrofit Feasibility
St. Mary's Hospital and Medical Center, San Francisco, CA	Energy Retrofit Feasibility
St. Mary's Hospital and Medical Center, San Francisco, CA	Dedicated Surgery Chiller Feasibility
Saltonstall Building, Boston, MA	Ventilation Air Study
San Francisco Newspaper Agency (Examiner & Chronicle)	Study Bldg. for Air Conditioning Installation
San Jose Elks, San Jose, CA	Energy Retrofit Feasibility
San Jose Mercury news, San Jose, CA	Energy Retrofit Feasibility
Santa Cruz County, Santa Cruz, CA	Investigate Clinic HVAC System Problems
Santa Cruz County, Santa Cruz, CA	Investigate Sheriff's Dept. HVAC System problems
Santa Cruz County, Santa Cruz, CA	Emergency Generator Plans, 3 Buildings
Santa Cruz County Sanitation District	Investigate Pumping Plant HVAC System Problems
Sandy Plaza, Sunnyvale, CA	Energy Retrofit Feasibility
Security Pacific Building, Walnut Creek, CA	Energy Retrofit Feasibility
Sierra Nevada Memorial Hospital, Grass Valley, CA	Energy Retrofit Feasibility
Sierra Nevada Memorial Hospital, Grass Valley, CA	New Chilled Water Plant Conceptual Design Study
Sierra Nevada Memorial Hospital, Grass Valley, CA	Thermal Energy Storage System Feasibility
Sierra Nevada Memorial Hospital, Grass Valley, CA	Evaluate Isolation Room HVAC Systems
Sierra Nevada Memorial Hospital, Grass Valley, CA	New Clinical Laboratory Conceptual Design Study
Sierra Nevada Memorial Hospital, Grass Valley, CA	Indoor Air Quality and HVAC System Evaluation, OPC
Sierra Nevada Memorial Hospital, Grass Valley, CA	Prepare Utility Infrastructure Master Plan
Simons Hardware, Walnut Creek, CA	Energy Retrofit Feasibility
Solano Community College, Fairfield, CA	Central Plant Modernization/Thermal Energy Storage Feasibility
Sonoma County Administration Center, Santa Rosa, CA	Central Plant/Thermal Energy Storage Expansion
Sonoma County Administration Center, Santa Rosa, CA	Evaluate Air Handling Systems Throughout Complex
State of California, Dept. of Gen. Services, Stockton State Bldg.	Energy Retrofit Feasibility
Stevens Center, San Jose, CA	Energy Retrofit Feasibility
Stockton Unified School District, Stockton, CA	Stagg High School Energy Retrofit Feasibility
Stockton Unified School District, Stockton, CA	Edison High School Energy Retrofit Feasibility
Stockton Unified School District, Stockton, CA	Franklin High School Energy Retrofit Feasibility
Stonestown Building, San Francisco, CA	Energy Retrofit Feasibility
Sweeny Community Hospital, Sweeny TX	Energy Retrofit Feasibility, HVAC Modernization
Texas Building, Dallas, TX	Energy Retrofit Feasibility
Tulane University Medical School, New Orleans, LA	Energy Retrofit Feasibility
University of California Davis Medical Center, Davis, CA	Investigate Chilled Water Distribution System
University of California Davis Medical Center, Davis, CA	Study New Process Steam Plant for Main Hospital
University of California Davis Medical Center, Davis, CA	Investigate Heating Water Distribution System
University of California Davis Medical Center, Davis, CA	Investigate 2-N HVAC System Deficiencies
University of California Davis Medical Center, Davis, CA	Investigate Main Wing Domestic Hot Water System
University of Judaism, Los Angeles, CA	Energy Retrofit Feasibility
University of Texas, Austin, Dobie Center	Energy Retrofit Feasibility
U.S. Postal Service, Processing & Distribution Center, Stockton, CA	Energy Retrofit Feasibility
U.S. Postal Service, Airmail Distribution Center, San Francisco International	Energy Retrofit Feasibility
U.S. Postal Service, Processing & Distribution Center, San Francisco, CA	High Voltage Switchgear Study
Utah State University, Logan, UT	Energy Conservation Potential Assessment
Vallco Financial Center, Cupertino, CA	Energy Retrofit Feasibility and HVAC Restoration
Vallero Refinery	HVAC Replacement Plan for Headquarters Building
Ventura County Medical Center, Ventura, CA	Energy Conservation Potential Assessment
Veterans Administration Medical Center, Livermore, CA	5 Year Energy Management Plan
Veterans Administration Medical Center, Palo Alto, CA	Develop Central Cooling System Master Plan
Veterans Administration Medical Center, Menlo Park, CA	Develop Central Cooling System Master Plan
Veterans Administration Medical Center, Livermore, CA	Develop Central Cooling System Master Plan

Studies and Investigations, continued...

William Morris Agency, Beverly Hills, CA	Energy Retrofit Feasibility
Woodcourt II, Woodland Hills, CA	Energy Retrofit Feasibility
Xerox - PARC, Palo Alto, CA	Investigate Research Building Pressurization Problems
Xicor, Milpitas, CA	Investigate Chilled Water System
Yuba City High School, Yuba City, CA	Energy Retrofit Feasibility
Zone-7 Water District, Del Valle water Treatment Plant, Livermore, CA	HVAC System Restoration Evaluation
475 14th Street, Oakland, CA	Energy Retrofit Feasibility
505 14th Street, Oakland, CA	Energy Retrofit Feasibility
1333 Broadway, Oakland, CA	Energy Retrofit Feasibility
1611 Borel Place, San Mateo, CA	Energy Retrofit Feasibility
1650 Borel Place, San Mateo, CA	Energy Retrofit Feasibility
1777 Borel Place, San Mateo, CA	Energy Retrofit Feasibility

**Project Design:**

Alameda County Courthouse and Administration Building Complex, Oakland, CA	Energy Retrofit
Alameda County, 224 W. Winton Building, Hayward, CA	HVAC System Restoration
Alameda County Water District, Fremont, CA	Headquarters Building, Total HVAC System Restoration
Belmont School District, Central Elementary School, Belmont, CA	Heating System Restoration
Belmont School District, Cipriani Elementary School, Belmont, CA	Heating System Replacement
Belmont School District, Fox Elementary School, Belmont, CA	Heating System Restoration
Belmont School District, Nesbit Elementary School, Belmont, CA	Heating System Replacement
Belmont School District, Ralston Middle School, Belmont, CA	Heating System Restoration
Bio Rad, Hercules, CA	New Cooling Plant for Life Sciences Building
Carlin Gold Mining Co., Carlin, NV	New Mill HVAC Systems
Catholic Healthcare West	Performance Contracting Program
Cetus Corporation, Emeryville, CA	New Laboratory HVAC Installation
Cetus Corporation, Emeryville, CA	New Chiller Installation
Channing House, Palo Alto, CA	New Common Area HVAC for Seismic Retrofit
City and County of San Francisco, CA	Energy Retrofit and Utility Plant Restoration, S.F. General Hospital
City of Livermore, Multi-Service Center, Livermore, CA	Energy Retrofit
City of Livermore, Golf Course Clubhouse and Pro Shop, Livermore, CA	HVAC System Replacement
College of Marin, Kentfield, CA.	Asbestos Abatement at the P. E. Complex
College of Marin, Kentfield, CA.	Variable Speed Drive Replacement, Kentfield Library
College of Marin, Kentfield, CA.	Chiller Replacement, Kentfield Library
College of Marin, Kentfield, CA.	Rooftop Unit Replacement, Harlan Center
College of Marin, Indian Valley, CA.	Pool Boiler Installation and Cogeneration System Restoration
Community Legal Aid Society of Alameda County, Oakland, CA	HVAC System Restoration
Connell Technologies, Livermore, CA	Install Process Cooling Plant
DMD Building, San Mateo, CA	Energy Retrofit and HVAC Restoration
Fenestra Winery, Livermore, CA	New HVAC for Barrel Room and Tasting Room
Fireman's Fund Life Insurance, San Rafael, CA	Data Center HVAC Remodel
First Nationwide Savings, Concord, CA	Energy Retrofit
Foothill-De Anza Community College Dist.	HVAC Remodel for the De Anza ATC Secondary Effects Building
Foothill-De Anza Community College Dist.	Replace Underground Piping Systems from De Anza L-5 Utility Plant
Foothill-De Anza Community College Dist.	New Child Development Center
Foothill-De Anza Community College Dist.	Remodel Existing Child Development Center
Foothill-De Anza Community College Dist.	Install New Fire Main, De Anza Campus
Foothill-De Anza Community College Dist.	Replace Sprinkler Piping at De Anza Center
Foothill-De Anza Community College Dist.	Phase-1, Replace Boilers at Four Zone Utility Plants
Foothill-De Anza Community College Dist.	Phase-2, Replace Boilers at Four Buildings
General Cinema Theatres, Fremont, CA	Modify HVAC Return Air/Exhaust System
General Cinema Theatres, Los Angeles, CA	New Chiller, Pneumatic Controls and Ductwork
Golden Pacific Brewing	Low-Temperature Refrigeration System for New Brewery
Great Western Bank, Palo Alto, CA	New Chilled Water Coils, Chilled Water Pump and Controls
Health Sonics, Livermore, CA	Modify Curing Oven

Project Design, continued...

Hilton Hotel and Casino, Reno, NV	Cashier's Area HVAC Remodel
Hilton Hotel and Casino, Reno, NV	Housekeeping Department HVAC Replacement
John Muir Medical Center, Walnut Creek, CA	HVAC and Building Automation Retrofit
John Muir Medical Center, Walnut Creek, CA	Supply Chilled Water to Data Center HVAC
John Muir Medical Center, Walnut Creek, CA	Supply Chilled Water to MRI Center HVAC
John Muir Medical Center, Walnut Creek, CA	Interconnect Chilled Water Plants
John Muir Medical Center, Walnut Creek, CA	Install DDC Controls for MRI HVAC System
John Muir Medical Center, Walnut Creek, CA	Replace Chilled Water Coil for Surgery HVAC System
John Muir Medical Center, Walnut Creek, CA	Install DDC Controls for Zone Terminal Boxes, 4 & 5 West
John Muir Medical Center, Walnut Creek, CA	Install DDC Controls for Secondary CHW/HW Pumps
John Muir Medical Center, Walnut Creek, CA	Fuel Oil Tank and Piping
John Muir Medical Center, Walnut Creek, CA	Modernize and Expand Chilled Water Plant
John Muir Medical Center, Walnut Creek, CA	Building Automation and Controls for Administration Building
John Muir Medical Center, Walnut Creek, CA	Expand Fire Alarm System
John Muir Medical Center, Walnut Creek, CA	Modifications to Sprinkler System
John Muir Medical Center, Walnut Creek, CA	Replace Air Conditioning System at Montego MOB
John Muir Medical Center, Walnut Creek, CA	Install Solar Film
John Muir Medical Center, Walnut Creek, CA	Modify Health Education Center HVAC Systems
John Muir Medical Center, Walnut Creek, CA	Remediate Building Pressurization at Administration Building
John Muir Medical Center, Walnut Creek, CA	Modify Endoscopy Treatment Room to Negative Pressure
Laney Community College, Oakland, CA	Repair Earthquake Damage to Swimming Pool
Laney Community College, Oakland, CA	Replace Steam Distribution System in Dry Cleaning Lab
Live Oak High School, Morgan Hill, CA	Energy Retrofit/Cogeneration
Lone Star Industries Quality Control Lab, San Ramon, CA	New Mechanical and Electrical Systems
Marin County Civic Center, San Rafael, CA	Replace Administration Building Chilled Water Plant
Marin County Civic Center, San Rafael, CA	Replace Hall of Justice Chilled Water Plant
Marin County, San Rafael, CA	Replace Juvenile Hall HVAC Systems
Marin County, San Rafael, CA	Install Vehicle Fuel Management System
Morgan Hill Unified School District, Morgan Hill, CA	District-Wide Energy Retrofit & Cogeneration
Northern California Presbyterian Homes, Greenbrae, CA	New Domestic Water System
Northern California Presbyterian Homes, Greenbrae, CA	New Garage Lighting System
Northern California Presbyterian Homes, Portola Valley, CA	Emergency Generator for the Health Center
Ohlone Community College, Fremont, CA	Replace Swimming Pool Boilers
Ohlone Community College, Fremont, CA	Replace P.E. Building Boilers
One Hallidie Plaza, San Francisco, CA	Energy Retrofit
One Hallidie Plaza, San Francisco	Remodel Lighting Control System
Pacific Lithograph, San Francisco, CA	Remodel and Install Photo Lab HVAC Systems
Pacific Park Plaza, Emeryville, CA	Retrofit Heating System and Boiler Controls
Parkway Towers, Fremont, CA	Replace Central Cooling and Heating Plants
Piedmont Gardens, Oakland, CA	Upgrade Heating System Distribution Piping
Publishers Group West, Emeryville, CA	Air Conditioning for New Offices
Riordan High School, San Francisco, CA	Energy Retrofit and HVAC System Replacement
The San Francisco Chronicle, San Francisco, CA	Editorial Dept. HVAC Remodel
The San Francisco Examiner, San Francisco, CA	Editorial Dept. HVAC Remodel
Saipan International Airport	Control Systems for New Air Traffic Control Tower
San Francisco Newspaper Agency, San Francisco, CA	Central Air Conditioning Plant Installation
San Francisco Newspaper Agency, San Francisco, CA	Energy Retrofit
San Francisco Newspaper Agency, San Francisco, CA	Boiler Plant Modernization
San Jose Mercury News, San Jose, CA	Energy Retrofit
Santa Cruz County, GSA, Santa Cruz, CA	Redesign HVAC System for Clinic, 1080 Emeline St.
Santa Cruz County, GSA, Santa Cruz, CA	Replace Outside Air Dampers, Government Center
Santa Cruz County, GSA, Santa Cruz, CA	Redesign HVAC System for Pharmacy, 1080 Emeline St.
Santa Cruz County, GSA, Santa Cruz, CA	Install Outside Air Economizer Systems, 1080 Emeline St.
Santa Cruz County, GSA, Santa Cruz, CA	Modify Heating System, 1430 Freedom Blvd.
Santa Cruz County, GSA, Santa Cruz, CA	Install Seismic Snubbers on Government Center HVAC Equipment
Santa Cruz County, GSA, Santa Cruz, CA	Replace HVAC Systems at Juvenile Hall

Project Design, continued...

Santa Cruz County, GSA, Santa Cruz, CA	Install Heating & Ventilation System for Morgue
Santa Cruz County, GSA, Santa Cruz, CA	Upgrade & Repair Heating & Ventilation Systems at Emeline Ave. Complex
Santa Cruz County, GSA, Santa Cruz, CA	Install Emergency Generators at 3 Buildings
Santa Cruz County, GSA, Santa Cruz, CA	Install Emergency Generator at Juvenile Hall
Santa Cruz County, GSA, Santa Cruz, CA	Install Dedicated HVAC for Sheriff's 991 Department
Santa Cruz County, GSA, Santa Cruz, CA	Install Emergency Generator at Womens Jail, Blaine Street
Santa Cruz County, Sanitation District	Install Air Conditioning and New Temperature Controls
Sierra Nevada Memorial Hospital, Grass Valley, CA	Energy Retrofit
Sierra Nevada Memorial Hospital, Grass Valley, CA	Install Temporary Chiller for Surgery
Sierra Nevada Memorial Hospital, Grass Valley, CA	Install Critical Area Chiller
Sierra Nevada Memorial Hospital, Grass Valley, CA	Expand & Modernize Chilled Water Plant
Sierra Nevada Memorial Hospital, Grass Valley, CA	Extend Critical Chilled Water System to Outpatient Wing
Sierra Nevada Memorial Hospital, Grass Valley, CA	Remodel Second Floor for Nursing Consolidation
Sierra Nevada Memorial Hospital, Grass Valley, CA	Isolation Room Ventilation Upgrade and Pressure Monitoring
Sierra Nevada Memorial Hospital, Grass Valley, CA	ER Triage, ER-3 Negative Pressure Treatment Rooms
Sierra Nevada Memorial Hospital, Grass Valley, CA	WICU, Labor Immersion Remodel
Sierra Nevada Memorial Hospital, Grass Valley, CA	Remodel Second Floor for Utility Area Modernization
Sierra Nevada Memorial Hospital, Grass Valley, CA	MRI / Breast Imaging Clinic Addition
Sierra Nevada Memorial Hospital, Grass Valley, CA	Diagnostic Imaging Remodel
Sierra Nevada Memorial Hospital, Grass Valley, CA	New Dish Machine Installation
Simons Hardware, Walnut Creek, CA	Energy Retrofit
Sonoma County Administration Center, Santa Rosa, CA	Remove Heat Recovery on Central Plant Chillers
Sonoma County Administration Center, Santa Rosa, CA	Central Plant Condenser Water System Upgrade
Southwall Corporation, Milpitas, CA	Install -22°F Glycol Chiller System
Stonestown Building, San Francisco, Ca	Energy Retrofit
St Mary's Elementary School, Walnut Creek, CA	Air Conditioning Installation
State of California, Department of General Services	Replace Sacramento Auto Service Garage Heating System
Sutter Solano Medical Center, Vallejo, CA	Facility Enhancement Project
Sutter Solano Medical Center, Vallejo, CA	3 <sup>rd</sup> & 4 <sup>th</sup> Floor Patient Room Renovation Project
Sutter Solano Medical Center, Vallejo, CA	Retaining Wall and Signage for New Medical Center Entry
Tenet Healthcare, JFK Memorial Hospital, Indio, CA	Expand & Modernize Central Utility Plant
Tenet Healthcare, JFK Memorial Hospital, Indio, CA	Emergency Power System Expansion for ICU Addition
Tulane University, New Orleans, LA	Energy Retrofit
University of California Davis Medical Center, Davis, CA	Upgrade Chilled Water Distribution System
University of California Davis Medical Center, Davis, CA	Redesign Chilled Water Interface at Main Hospital
University of California, Davis Medical Center, Davis, CA	Install Underground Steam Line to Main Hospital
University of California Davis Medical Center, Davis, CA	Upgrade Heating Hot Water Distribution System
University of California Davis Medical Center, Davis, CA	Upgrade Domestic Hot Water System
University of California Davis Medical Center, Davis, CA	Extend Emergency Water System to Main Hospital Building
University of California Davis Medical Center, Davis, CA	Run Additional Utility Piping to Main Hospital Building
University of California, San Francisco	Install Health Science Building Potable Water System
University of Judaism, Los Angeles, CA	Energy Retrofit
U.S. Postal Service, San Francisco International Airmail Distribution Center	Energy Retrofit
U.S. Postal Service, San Francisco Processing & Distribution Center	New Compressed Air Plant
U.S. Postal Service, San Francisco Processing & Distribution Center	Modify High Voltage Switchgear
U.S. Postal Service, San Francisco Processing & Distribution Center	Energy Retrofit
U.S. Postal Service, Stockton Processing & Distribution Center	Energy Retrofit
V.A. Medical Center, Martinez, CA	Expand Building Automation System
V.A. Medical Center, Livermore, CA	Install Lighting Control System
V.A. Medical Center, Livermore, CA	Replace Exterior Lighting
V.A. Medical Center, Livermore, CA	Replace Underground Signal Conduit
V.A. Medical Center Clinic, Martinez, CA	Lighting Fixture Retrofit
V.A. Medical Center Clinic, Oakland, CA	Lighting Fixture Retrofit
V.A. Medical Center, Livermore, CA	Construct Air Conditioned Elevator Machinery Room
Xicor Corporation, San Jose, CA	Upgrade Chilled Water Distribution System
Zone-7 Water District, Del Valle water Treatment Plant, Livermore, CA	HVAC System Restoration

Project Design, continued...

120 Montgomery Street, San Francisco, CA	Integrated CFC-Retrofit of Chilled Water Plant
1611 Borel Place, San Mateo, CA	Energy Retrofit
1650 Borel Place, San Mateo, CA	Energy Retrofit
1777 Borel Place, San Mateo, CA	Energy Retrofit

**Other Projects:**

Alameda County	Measurement & Verification for Energy Services Project
Alpine Building, Walnut Creek, CA	Troubleshoot and Reprogram Building Automation System
Archer, McComas & Lageson	Expert Witness, Condominium HVAC Systems
Archer, McComas & Lageson	Expert Witness, County Transit HVAC Systems
Archer, McComas, Breslin, McMahan & Chritton	Expert Witness, County Thermal Energy Storage System
Association of Energy Engineers	Seminar: Computerized Building Energy Simulation
Association of Energy Engineers	Seminar: Management, Measurement and Verification of Performance Contracts
Belzer, Hulchiy & Murray	Expert Witness, Office Building Leasehold Facility Maintenance
Branson Fitzgerald & Howard	Expert Witness, Apartment HVAC Systems
Brobeck, Phleger & Harrison, LLP	Expert Witness, Office Building HVAC
California Lutheran University, Thousand Oaks, CA	Expert Witness, Performance Contracting
California Pacific Medical Center, San Francisco, CA	Develop Energy Management Plan
California Polytechnic University, San Luis Obispo, CA	Measurement & Verification for Campus Summer Initiative
City and County of San Francisco, CA	Develop Performance Contracting Guide
City of Oakland, CA	Special Building Inspector (Following Oct. 89, Loma Prieta, Earthquake)
CNA Insurance, San Francisco, CA	Expert Witness on Chiller Failure
DeBene & Associates	Expert Witness, Residential HVAC Systems
DMD Building, San Mateo, CA	Measurement & Verification for Energy Retrofit Project
Duke Power, Charlotte, NC	Develop Performance Contracting Program for 2,500+ First Union Bank Facilities
Engstrom, Lipscomb & Lack	Expert Witness, Performance Contracting
Fannie Mae	Due Diligence Investigation for DSM Project Funding
Filice, Brown, Eassa & McLeod	Expert Witness, Office Building Leasehold Facility Maintenance
Fireman's Fund Life Insurance, San Rafael, CA	Energy Use Allocation for Tenant Billing
Fong & Fong	Expert Witness, Cogeneration System
Foothill-De Anza Community College Dist.	Develop Energy Services Performance Contracting Program
Foothill-De Anza Community College Dist.	Measurement & Verification for Performance Contracting Program
Foothill-De Anza Community College Dist.	Expert Witness, Underground Piping Project
Foothill-De Anza Community College Dist.	Expert Witness, Sprinkler Piping Project
Foothill-De Anza Community College Dist.	Peer Review, Kirch Environmental Center Schematic Design
Fort Bend School District, Fort Bend, TX	Measurement & Verification for Energy Services Project
Gassett, Perry & Frank	Expert Witness, Condominium HVAC Systems
Gillin, Jacobson, Ellis & Larsen	Expert Witness, Performance Contracting
Great Bear Construction	Evaluation and Correction of Residential HVAC Systems
Greece Unified School District, Rochester, NY	Performance Contracting Program Management Services
Hansen, Bridgett & Marcus	Expert Witness, Medical Office Building HVAC Systems
Hughes & Associates	Expert Witness, Residential HVAC Systems
Houston Federal Building	Utility Budget Projection
Jacobsen, White, Diamond & Bordy, Los Angeles, CA	Expert Witness, University Performance Contract
Jennaro Properties, Stockton, CA	Study Warehouse Refrigeration Options
John Muir Medical Center, Walnut Creek, CA	Annual Utility Budget Preparation
John Muir Medical Center, Walnut Creek, CA	Recommission and Maintain Building Automation System
John Muir Medical Center, Walnut Creek, CA	Create Expert HVAC Operations Monitoring & Analysis System
John Muir Medical Center, Walnut Creek, CA	Develop Capital Project Funding Requests & Justification
John Muir Medical Center, Walnut Creek, CA	Develop & Document Electrical Switchgear Data Base System
Larson & Burnham	Expert Witness, Transit Authority Office Building HVAC Systems
Larson & Burnham	Expert Witness, University Campus Chilled Water Distribution Piping Failure
Law Offices of Jack Provine	Expert Witness, Pacific Park Plaza Condominium Construction Defects
Law Offices of Larry Langley	Expert Witness, Residential HVAC Construction Defects
Lawrence Berkeley National Laboratory	Develop DOE-Wide, ESPC, Integrated Chiller Retrofit Program

Other Projects, continued...

Locke, Liddell & Sapp	Expert Witness, School District Performance Contract
Luther Burbank Elementary School District, San Jose, CA	Recommission and Maintain Building Automation System
McNamara, Dodge, Ney, Beatty, Slattery & Pfalzer	Expert Witness, Residential HVAC Systems
Mark Hopkins Intercontinental Hotel, San Francisco, CA	Develop & Manage Performance Contracting Program
Marysville Unified School District	Review Performance Contracting Program
Mechanical Service Company Search, San Francisco, CA	Service Contractor Survey
Morrison & Foerster	Expert Witness, Office Building Leasehold Facility Maintenance
National Medical Enterprises	Evaluate Corporate Energy Management Program
New People's Baptist Church	Review HVAC Reconstruction Program
Northpointe Center, Dallas, TX	Troubleshoot and Reprogram Building Automation System
Northern California Presbyterian Homes, San Francisco, CA	Expert Witness, Cogeneration System
Oakland Federal Building, Oakland, CA	Utility Budget Projection
One Hallidie Plaza	Tenant Utility Sub-Metering Troubleshooting
Owen & Melbye	Expert Witness, Pharmaceutical Laboratory HVAC Systems
Pacific Gas and Electric Company	Energy Efficiency Consultant
Pacific Gas and Electric Company	Hospital Energy Efficiency Seminar
Pacific Gas and Electric Company	Energy Services Seminar
Pacific Gas and Electric Company	Retrofit Express Rebate Auditor Training
Pacific Gas and Electric Company	Pacific Bell Energy Retrofit Auditor Training
Pacific Gas and Electric Company	HVAC Fundamentals Training
Pacific Gas and Electric Company	Audit Grocery Chain Company-Wide Rebate Documentation
Pacific Gas and Electric Company	Energy Auditing Seminar
Pacific Gas and Electric Company	Preliminary Energy Audit Seminar
Pacific Park Plaza Homeowners Association	Expert Witness, Condominium HVAC Systems
Pennzoil Place, Houston, TX	Monitor and Evaluate Energy Services Project
Pomona Valley Hospital Medical Center, Pomona, CA	Monitor and Evaluate Energy Services Project
Presidio of San Francisco	Power Partners DSM Program Contract Negotiations
Ronald J. Souza	Expert Witness, Residential Energy Use
Ropers, Majeski	Expert Witness, Residential HVAC Systems
Saipan International Airport	Control Panel Fabrication for New Air Traffic Control Tower
San Francisco Newspaper Agency (Examiner & Chronicle)	Monitor & Evaluate Energy Services Project
San Francisco Newspaper Agency (Examiner & Chronicle)	Chief Engineer Search and Selection
San Francisco Newspaper Agency (Examiner & Chronicle)	Annual Utility Budget Preparation
San Francisco Unified School District	Develop & Manage Performance Contracting Program
Santa Clara University	Develop and Manage Energy Services Program
Sedgwick, Detert, Moran & Arnold	Expert Witness, Hospital HVAC System
Shell Oil, Westhollow Research Center, Houston, TX	Evaluation of Building Automation System
SMACNA (Sheet Metal & Air Conditioning Contractors Natl. Assn.)	Technical Consultant to Association
Southern California Edison	ENVEST Demand Side Management Program, Service Provider
St. Mary's Hospital, Lewiston, ME	Develop Model Performance Contracting Documents
State of California, GSA, Office of Energy Assessments	Develop Performance Contracting Program Model Contract
State of California, GSA, Office of Energy Assessments	Develop & Manage Performance Contracting Program
Stockton Unified School District	Develop Performance Contracting Program
Tenet Healthcare Corporation	Develop & Manage Corporate-Wide Performance Contracting Program
Tenet Healthcare Corporation	Evaluate Lighting Retrofit Project, Park Plaza Hospital
University of California, Berkeley, CA	University Extension Course: Energy Audits of the Future
U.S. Environmental Protection Agency	Performance Contracting Program Consulting Services
Veterans Administration Palo Alto, CA	Performance Contracting Program Management Services
Veterans Administration Greater Los Angeles, CA	Performance Contracting Program Management Services
Veterans Administration Martinez, CA	Performance Contracting Program Management Services
Veterans Administration Palo Alto, CA	Develop Lighting Retrofit Program Standards
555 City Center, Oakland, CA	Commissioning Agent



