

**MANUEL A. DELGADO, P. E., C. S. E.**

**EXECUTIVE PROFILE**

**ENERGY EXPERIENCE**

Mr. Delgado's experience in the Power and Energy Fields includes working as a Principal Engineer/Job Leader for Parsons Corporation, where he work for several subsidiaries firms including C. T. Main, Engineering Science and Mobil Torrance Petro-Chemical Projects. As a Principal Engineer, he managed and supervised a Civil Engineering Section for large scale, Design-Build projects including Cogeneration Power Plans and Hazardous Solid Waste Landfills. As a Hydrology Engineer he also worked for Solar Energy Fields where he performed hydrology calculations for watersheds and hydraulic calculations for proposed drainage. He also worked on Wind Energy Farms for Expert Witness research.

His experience also includes the Planning and Design for Mining Projects were he worked with several Mining Contractors, including Granite, Kiewit, U.S Gypsum Plaster and Volcan Materials Inc. His work included the hydrology analysis, hydraulic calculations and drainage permits with County Flood Control Districts. His projects were coordinated and approved in the following Counties: San Bernardino, Riverside, Los Angeles, San Diego and Kern Counties. His coordination and negotiations skills reduced the cost of the drainage facilities and prompted the projects into a feasible and positive direction, smoothing the construction execution of the proposed facilities and expansion projects.

In addition, during his work with Brian Stirrat & Associates he worked as a Civil Engineer for Landfills and Environmental projects in L.A., Orange and San Bernardino Counties. He performed landfill work including hydrology, hydraulics, storm drains, detention/retention basin design, EIR, grading design, computer aided designs (2D & 3D), analysis and programming.

Mr. Delgado's experience in the Cogeneration Power Plants and Petrochemical Projects include the following projects:

**ENERGY SYSTEMS**

Mr. Delgado performed the following projects:

- Lockport Cogeneration Power Plant, Lockport, N.Y. Responsible for the reparation of plans, specifications and construction for all civil engineering work. As a Job Leader/Principal Engineer, Mr. Delgado's experience included management, coordination, supervision, planning, engineering, scheduling and budget for a 200 MW Cogeneration Power Plant. (Construction cost = \$ 250 millions).
- UCLA Chiller and Cogeneration Power Plants, L.A. CA. As a Job Leader, Mr. Delgado was responsible for the civil engineering requirements in the design and construction for a 50 MW cogeneration power plant facility and 16,000 tons of chiller plant (future total- 28,000tons); and approximately 16,000 linear feet of U/G chilled water distribution system, raging from 18" to 42" supply and return lines covering the UCLA campus, 2nd largest in the United States (cost = \$ 20 millions). ( Total construction cost = \$ 200 millions)
- Escondido Ice Flow Cogeneration Power Plant, San Diego, CA. Responsibilities included planning, preliminary engineering and research for the design, construction and contract negotiations of a 50 MW cogeneration power plant with ice skating ring. (\$ 80 millions).



Mr. Manuel A. Delgado, P.E., C.S.E.

- Mobil Oil Corporation, Mobil Refinery, Torrance, CA.

During his work with Parsons, Mr. Delgado directed and supervised the design work of petrochemical systems and construction of process units for oil and gas treatment, and compressor units. He was involved in the drainage design, fire water lines, oily water sewer, waste water systems, HP gas, electrical ducts banks, demolition, grading and paving.