



**Pacific Gas and  
Electric Company.**

## **Jefferson-Martin 230 kV Transmission Project**

### **Application Number: A-02-09-043**

October 10, 2002

Enclosed is a Notice of an Application for a Certificate of Public Convenience and Necessity for Pacific Gas and Electric Company's Jefferson-Martin 230 kV Transmission Project. The notice contains information about the project as required by the California Public Utilities Commission. There is also a map enclosed showing the location and routing of the project.

The California Public Utilities Commission requires that Pacific Gas and Electric Company give this notice to all owners of land within 300 feet of the right-of-way of the proposed project facilities, regardless of the nature of the facility or the work being performed. Not all recipients of this notice would be affected by the project in the same manner. Please carefully review the attached notice for a description of the project. To obtain additional information on the project and the specific facilities proposed to be located at or near your property, please call PG&E's project information line at 1-800-234-2117.

In addition, copies of the Project Application, together with the Proponent's Environmental Assessment, which contains a detailed discussion of the potential environmental impacts of the project, are available for your review at the following locations:

**Brisbane**

**Brisbane Library**  
250 Visitacion Avenue  
Brisbane  
Phone: (415) 467-2060

**Cupertino**

**Cupertino Library**  
10400 Torre Avenue  
Cupertino  
Phone: (408) 446-1677

**Burlingame**

**Burlingame Library**  
480 Primrose Road  
Burlingame  
Phone: (650) 342-1037

**PG&E Cupertino Service Center**

10900 N. Blaney Avenue  
Cupertino  
Contact: Customer Service Counter

**Colma**

**\*Kinko's**  
31 Colma Blvd.  
Colma  
Phone: (650) 756-5791

**Daly City**

**John D. Daly Library**  
6351 Mission Street  
Daly City  
Phone: (650) 991-8073

**Hillsborough—See San Mateo and Burlingame**

**Serramonte Library**

40 Wembley Drive  
Daly City  
Phone: (650) 991-8023

**Millbrae**

**Millbrae Library**  
1 Library Avenue  
Millbrae  
Phone: (650) 697-7607



***Pacific Gas and  
Electric Company.***

**Redwood City**

**Redwood City Public Library**  
1044 Middlefield Road  
Redwood City  
Phone: (650) 780-7061

**\*Kinko's**

1111 Veterans Blvd.  
Redwood City  
Phone: (650) 364-0424

**San Bruno**

**San Bruno Public Library**  
701 Angus Avenue West  
San Bruno  
Phone: (650) 616-7078

**San Carlos**

**PG&E San Carlos Service Center**  
275 Industrial Road  
San Carlos  
Contact: Customer Service Counter

**San Mateo**

**San Mateo Public Library**  
55 W. 3rd Avenue  
San Mateo  
Phone: (650) 522-7800

**\*Kinko's**

480 E. 4th Avenue Unit B  
San Mateo  
Phone: (650) 347-3861

**South San Francisco**

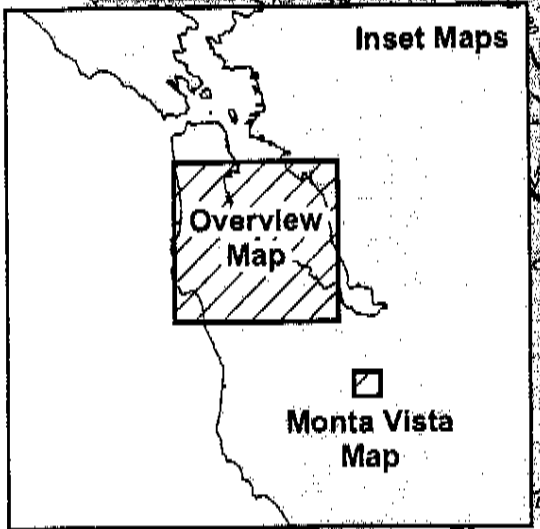
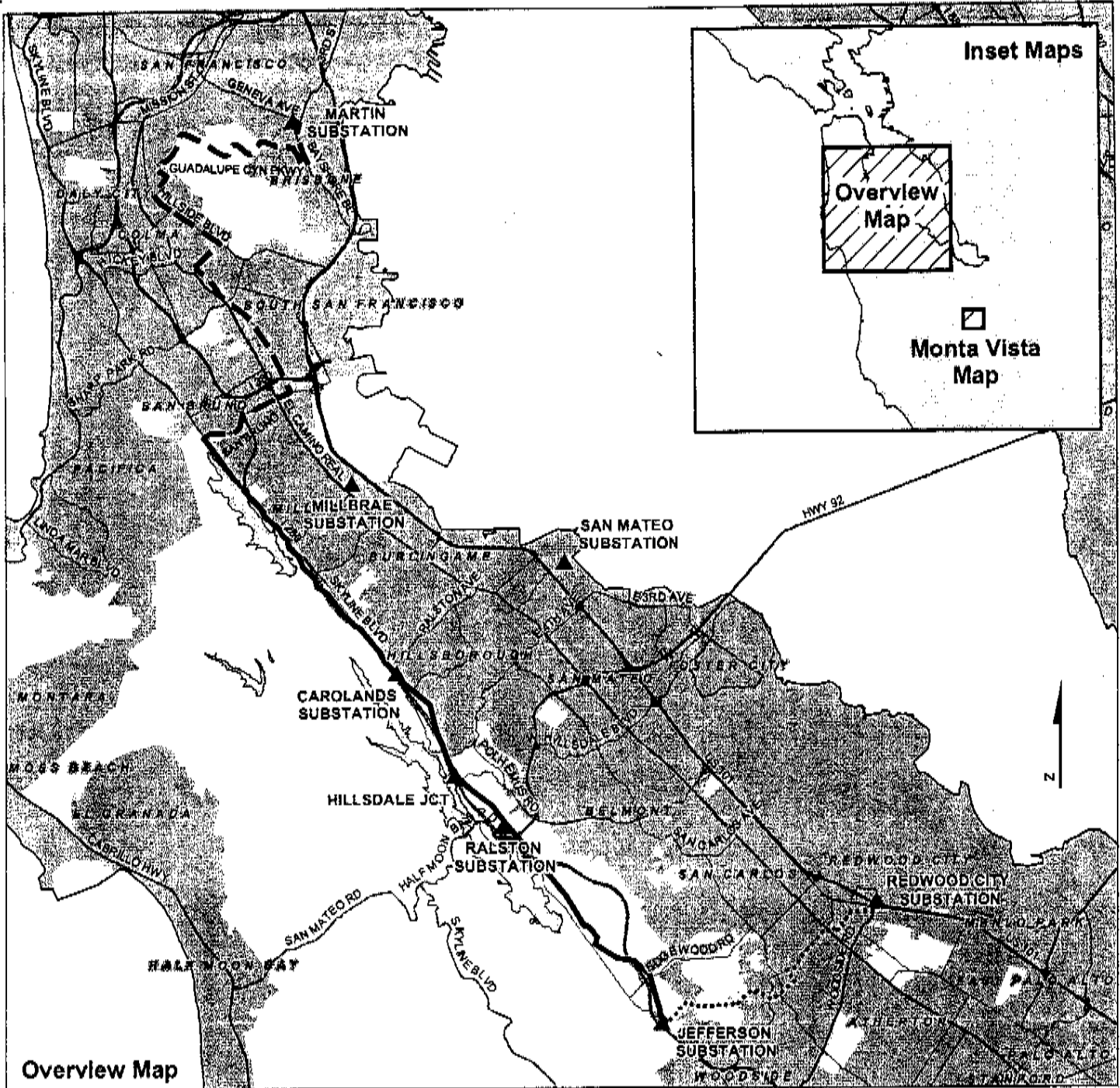
**Grand Avenue Library**  
306 Walnut Avenue  
South San Francisco  
Phone: (650) 877-8530

**West Orange Library**

840 West Orange Avenue  
South San Francisco  
Phone: (650) 829-3862

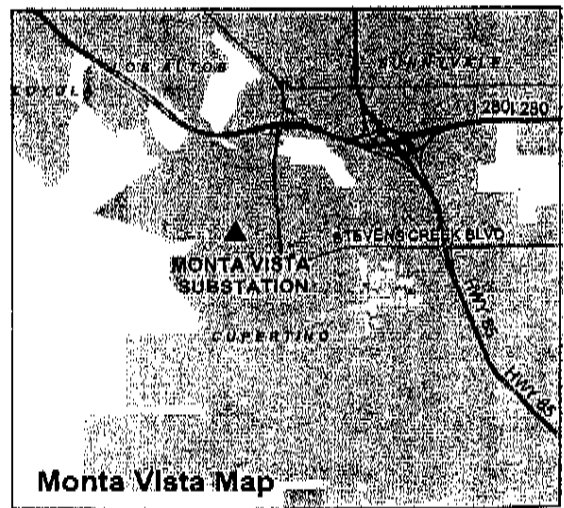
**Woodside**

**Woodside Library**  
3140 Woodside Road  
Woodside  
Phone: (650) 851-0147



**PG&E** **Jefferson-Martin 230kV Transmission Project**  
 A. 02-09-043

- Proposed Project Features**
- Overhead Line Reconstruction
  - - - - - New Underground Line
  - ..... Fiberoptics Line (Installed on existing pole line or underground)
  - ▲ Modifications within existing PG&E Substation Property



**NOTICE OF AN APPLICATION FOR A  
CERTIFICATE OF PUBLIC CONVENIENCE AND NECESSITY**

**PROJECT NAME: JEFFERSON-MARTIN 230 KV TRANSMISSION PROJECT  
APPLICATION NUMBER: A-02-09-043**

**Proposed Project:** Pacific Gas and Electric Company (PG&E) has applied to the California Public Utilities Commission (CPUC) for a Certificate of Public Convenience and Necessity authorizing construction of the Jefferson-Martin 230 kV Transmission Project (Project).

The Project consists of a new 230 kilovolt electric transmission line between the Jefferson Substation, near Edgewood Park in unincorporated San Mateo County, and the Martin Substation, on Bayshore Boulevard in the City of Brisbane. The Project also requires the modification of equipment at the following existing PG&E facilities: the San Mateo, Ralston, Millbrae and Monta Vista Substations and the Hillsdale Junction Switching Station. Further, the Project includes the installation of fiber optic communications facilities to connect the Jefferson Substation to the Martin Substation by two independent routes.

**Project Purpose:** The primary purposes of the Project are to (1) reliably meet projected electric demand in the cities of Brisbane, Burlingame, Colma, Daly City, Millbrae, San Bruno and South San Francisco, and the City and County of San Francisco (the Project Area); (2) satisfy applicable electric transmission system planning criteria; (3) diversify the electric transmission system serving the Project Area; and (4) implement the California Independent System Operator (ISO) Board of Governors' April 2002 Resolution approving the Jefferson-Martin Project for addition to the ISO-controlled electric transmission grid, without regard to route.

The Project is needed to ensure that the electric transmission system can continue reliably to supply power to the Project Area. The Project would increase electric transmission capacity of the system serving the Project Area in order to meet the forecasted electric demand. The Project would provide adequate electric transmission system capacity to serve the Project Area under all reasonably anticipated generation scenarios and would ensure compliance with applicable electric transmission system reliability standards. The Project would also eliminate the system reliability concerns that currently exist in the Project Area by providing a second independent major transmission line pathway.

**Project Description:** The Project would be located in San Mateo and Santa Clara Counties and includes the construction of a new approximately 27-mile-long 230 kilovolt electric transmission line with overhead and underground segments. The new transmission line would be constructed in two primary portions: the "Overhead Rebuild Portion," which extends from the Jefferson Substation (located near Edgewood Park in unincorporated San Mateo County) north to the intersection of San Bruno Avenue and Glenview Drive just east of Skyline Boulevard (Highway 35), and the "Underground Portion," which extends north from the San Bruno Avenue/Glenview Drive intersection to the Martin Substation (located in the City of Brisbane). The Project includes the following components:

- The Overhead Rebuild Portion of the Project is approximately 14.7 miles long. It extends through an existing utility corridor in the San Francisco Public Utilities Commission watershed lands to a transition station to be constructed near the intersection of San Bruno Avenue and Glenview Drive, just east of Skyline Boulevard, in the City of San Bruno. The work on the overhead portion of the Project will replace an existing 60 kilovolt double-circuit transmission tower line; with few exceptions the new transmission line towers and poles will replace the existing towers and poles at or near their current locations. The existing 60 kilovolt double-circuit tower line will be rebuilt to enable the east side to operate at 60 kilovolts and the west side to operate at 230 kilovolts.
- The Underground Portion of the Project is approximately 12.4 miles long. It will be constructed generally in existing streets and through the San Francisco Bay Area Rapid Transit District (BART) right-of-way. From the transition station near Glenview Drive, the line will extend through existing streets to a location near the intersection of San Bruno Avenue and Huntington Avenue, where it would enter the BART right-of-way. At the intersection with the proposed McLellan Drive extension in the Town of Colma, the line will leave the BART right-of-way and continue northeast through the proposed McLellan Drive extension to the intersection of Hillside Boulevard where it will then travel northwest to the intersection of Hoffman Street in the City of Daly City. The underground electric transmission line will then travel northeast through Hoffman Street to Orange Street and then to Guadalupe Canyon Parkway along which it will continue to the intersection of Bayshore Boulevard. At Bayshore Boulevard the underground electric transmission line will continue north to Martin Substation in the City of Brisbane.
- Modify the existing Jefferson and Martin Substations to accommodate the new 230 kilovolt transmission circuit.
- Modify the following six PG&E facilities: the San Mateo Substation (located near Coyote Point Park in the City of San Mateo), the Ralston Substation (near the Highway 92/Interstate 280 interchange in unincorporated San Mateo County), the Millbrae Substation (near the intersection of Monterey Street and Santa Paula in the City of Millbrae), the Monta Vista Substation (near Stevens Creek Boulevard in the City of Cupertino), and the Hillsdale Junction Switching Station (near Bunker Hill Drive in unincorporated San Mateo County) to accommodate line protection equipment and the new 60 kilovolt line arrangement.
- Construct a new transition station near the intersection of San Bruno Avenue and Glenview Drive just east of Skyline Boulevard (Highway 35) to transition from the approximately 14.7-mile overhead electric transmission line to the approximately 12.4-mile underground electric transmission line.
- Installation of fiber optic lines and communications equipment to ensure the reliable operation of the electric transmission line. Line protection facilities will be installed along the Project route, as well as along an alternate path. The alternate path would require the installation of new, less than one inch diameter, fiber optic line on existing overhead facilities or new underground installations between the Jefferson Substation and the Redwood City Substation, and the installation of communications and other protection equipment within existing Redwood City and San Mateo Substations. From the Jefferson Substation, the

alternate communication line path will travel approximately 3.3 miles on an existing 115 kilovolt transmission pole line, approximately 2.6 miles on existing distribution pole lines, and approximately 0.4 miles in underground conduits to the Redwood City Substation (located on Seaport Boulevard in the City of Redwood City), where it will join an existing fiber cable that connects to the Martin Substation via the San Mateo Substation.

**Electric and Magnetic Fields (EMF):** PG&E will employ "no cost" and "low cost" measures to reduce public exposure to EMF in accordance with CPUC Decision 93-11-013 and PG&E's "EMF Design Guidelines for New Electrical Facilities," which are available to the public upon request. Although the precise measures that will be employed will not be determined until final engineering is completed, the following are examples of measures that may be adopted as required by Decision 93-11-013 and the Design Guidelines:

- Increase the height of overhead lines, more than otherwise required, to reduce EMF strength at ground level;
- Reduce conductor spacing to increase cancellation of the magnetic field and decrease the resultant field strength;
- Minimize current through energy efficiency measures (capacitors will be used to provide adequate load compensation); and
- Optimize phase configuration by "cross-phasing" individual circuits to cancel magnetic fields.

Once a route is approved by the CPUC, a final EMF Field Management Plan containing the precise EMF measures to be employed will be prepared for the Project and submitted to the CPUC. Interested parties may contact PG&E's Project Information Line at 1-800-234-2117 to receive a copy of the EMF Field Management Plan.

**Application for CPUC Authorization:** Pursuant to CPUC General Order No. 131-D, Section III.A, no electric utility shall begin construction of electric transmission line facilities designed for operation at 200 kV or more without the CPUC having first found that the facilities are necessary to promote the safety, health, comfort, and convenience of the public, and that they are required by the public convenience and necessity.

**Public Review Process:** Persons or groups may object to the granting in whole or in part of the authority sought in the Application and request that the Commission hold hearings on the Application.

*An original and seven (7) exact copies of each protest, response or request for hearing on this Project must be filed with the CPUC by no later than November 11, 2002, at the following address:*

California Public Utilities Commission  
Docket Office  
505 Van Ness Avenue, Room 2001  
San Francisco, CA 94102

*With a Copy Served by Either First-Class Mail or Hand-Delivery to:*

Richard W. Raushenbush, Esq.  
Latham & Watkins  
505 Montgomery Street, Suite 1900  
San Francisco, CA 94111

Protests, responses and/or requests for hearing must comply with Articles 2 and 2.5 of the CPUC's Rules of Practice and Procedure, and should include the following:

- (1) Your name, mailing address, and daytime telephone number;
- (2) Reference to the CPUC Application Number and Project Name; and
- (3) The facts constituting the grounds for the protest, the effect of the application on you as a protestant, the reasons you believe part or all of the application is not justified, and, if requesting an evidentiary hearing, the facts you would present at an evidentiary hearing to support a request for whole or partial denial of the application. (See Rule 44.2 of the CPUC's Rules of Practice and Procedure.)

If the CPUC, as a result of its preliminary investigation after such requests, determines that public hearings should be held, the CPUC will notify anyone who is entitled to notice or who has requested a hearing. The CPUC is authorized to act on the Application without hearings if there are no protests, responses or requests for hearings or if the CPUC determines that no protest, response or request for a hearing has been filed that raises issues requiring a hearing.

**Assistance in Filing a Protest or Requesting a Hearing:** For assistance in filing a protest, response or request for a hearing, contact the CPUC Public Advisor in San Francisco at 415-703-2074 or in Los Angeles at 213-576-7055, or e-mail [public.advisor@cpuc.ca.gov](mailto:public.advisor@cpuc.ca.gov). Please refer to the Application Number in your communication.

**Additional Project Information:** To obtain additional information on the project, including information on how and where you can review the Application and Proponent's Environmental Assessment, please call PG&E's Project Information Line at 1-800-234-2117.