**BEFORE THE PUBLIC UTILITIES COMMISSION**
**OF THE STATE OF CALIFORNIA**

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| Application of PACIFIC GAS AND ELECTRIC COMPANY, a California corporation, for a Permit to Construct the Palermo-East Nicolaus 115kV Reconstruction Project Pursuant to General Order 131-D<br><br>(U 39 E) | Application No. |

# APPLICATION OF PACIFIC GAS AND ELECTRIC COMPANY FOR A PERMIT TO CONSTRUCT THE PALERMO-EAST NICOLAUS 115kV RECONSTRUCTION PROJECT


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February 26, 2009

**BEFORE THE PUBLIC UTILITIES COMMISSION**
**OF THE STATE OF CALIFORNIA**

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| Application of PACIFIC GAS AND ELECTRIC COMPANY, a California corporation, for a Permit to Construct the Palermo-East Nicolaus 115kV Reconstruction Project Pursuant to General Order 131-D<br><br>(U 39 E) | Application No. |

**APPLICATION OF PACIFIC GAS AND ELECTRIC COMPANY**
**FOR A PERMIT TO CONSTRUCT THE**
**PALERMO-EAST NICOLAUS 115kV RECONSTRUCTION PROJECT**

Pursuant to Section IX(B) of General Order ("GO") 131-D and Rules 2.1 through 2.5 and 3.1 of the California Public Utilities Commission's ("Commission" or "CPUC") Rules of Practice and Procedure, PACIFIC GAS AND ELECTRIC COMPANY ("PG&E") respectfully requests a Permit to Construct ("PTC") the Palermo-East Nicolaus 115kV Reconstruction Project ("Reconstruction" or "Reconstruction project") to improve reliability and transmission capacity as well as to continue to provide safe and reliable electric service in Yuba, Sutter, and Butte counties. The Reconstruction project will help meet future demand, maintain compliance with applicable grid reliability criteria, and allow development of the area's renewable resources, including the hydroelectric generation produced around the Feather River, Lake Oroville, and Yuba River. In order to minimize environmental impacts, PG&E is proposing to reconstruct the double-circuit Palermo-East Nicolaus 115kV power line in place rather than creating an entirely new transmission corridor between Palermo and East Nicolaus Substations. The entire project will be located within existing easements.

## I. BACKGROUND

To help to meet present and forecasted electric demands in Butte, Sutter and Yuba counties, PG&E is proposing to reconductor, or replace the wires on, the approximately 40-mile

long Palermo-East Nicolaus 115kV power line between Palermo Substation near Oroville and East Nicolaus Substation south of Marysville. (*See* Proponent's Environmental Assessment [PEA],[1] Exhibit A, Figure 3-1, and Exhibit C).

The existing double-circuit tower line carries two individual 115kV circuits between PG&E's Palermo and East Nicolaus Substations. Both circuits of the line will be reconductored with new conductors. In order to accommodate the reconductoring, replacement of existing steel lattice towers is required. The existing Milliken towers, originally constructed in the early 1900's, are dilapidated structures that will not support the new conductor because of higher tension loads. The towers will be replaced with a combination of hybrid tubular steel poles (hybrid poles), tubular steel poles (TSP), and lattice steel poles (LSP). The capacity of the circuits will be increased by replacing existing copper conductor with new aluminum conductor between Palermo and East Nicolaus Substations (part of the Palermo-Nicolaus-Rio Oso 115kV circuit), and between Palermo Substation and Bogue Tap (part of the Palermo-Bogue-Rio Oso 115kV circuit), enabling an increase in the existing rating of the lines and eliminating forecasted line overloads. A limited number of towers on the adjacent single-circuit line will be replaced for consistency with the spans on the Palermo-East Nicolaus 115kV Power Line. The project will be constructed in segments to balance taking the existing lines out of service as well as environmental seasonal constraints.

[1] The PEA is attached as Exhibit A to this Application and incorporated herein by reference.

## II. POWER LINE LOCATION AND PROJECT COMPONENTS

### A. Regional Context

#### 1. Existing Regional Electric System

PG&E's electric transmission system serving Butte, Yuba and Sutter counties is comprised of 230 kV, 115 kV and 60 kV networks and facilities. The 230 kV and 115 kV facilities, crossing the area from north to south, are part of the bulk transmission system and also serve as connections to the surrounding generation facilities, including hydro generation produced around Feather River and Lake Oroville.

The three Palermo-Rio Oso 115 kV lines located in Yuba and Sutter Counties range in length from 46 to 57 miles and are constructed on towers built in the early 1900's. These lines provide power to the Honcut, Pease, East Marysville, Olivehurst, Bogue and East Nicolaus distribution substations, among others. In addition to providing 115 kV power to the area electric customers, the Palermo – Rio Oso 115 kV lines also serve as an important transmission path of bulk electricity coming from nearby hydroelectric generating facilities and the California-Oregon Intertie (COI), comprised of several 500 kV power lines that were built by Western Area Power Administration, PG&E and PacifiCorp in the early 1970s to 1990s to link power grids in the Southwest with power grids in the Pacific Northwest.

There are several hydroelectric powerhouses in the area, particularly along Feather River between Lake Almanor and Lake Oroville. Most of them are interconnected to the 230 kV systems of Table Mountain and Rio Oso substations, and to the 115 kV system of Palermo Substation. Those local power plants include the following, which have a total installed capacity of 287 MW.

- Yuba County Water Agency's Deadwood Creek Powerhouse
- Oroville-Wyandotte Irrigation District's Forbestown
- Sly Creek Powerhouse

- Wood Leaf Powerhouse
- Calpine's Greenleaf I
- Calpine's Greenleaf II
- Feather River Energy Center

Power from these power plants, together with imported power from COI going through the Table Mountain Substation, is transported to load centers in Sutter and Yuba counties through the Palermo – Rio Oso 115 kV lines.

Some capacity upgrades to these circuits were made in the past, including rerating some sections to a higher wind speed assumption and reconfiguring the network to balance the line loadings. However, these upgrades only provided near-term capacity increase and would not eliminate the forecasted overloads.

Power flow studies indicate that, if an outage were to occur on the Pease – Rio Oso 115 kV Line while the Greenleaf I generator is unavailable during high hydroelectric generation, summer peak periods and COI import power conditions, the 115 kV circuit between the Palermo Substation and the East Nicolaus Substation and the 115 kV circuit between the Palermo Substation and the Bogue Tap sections could exceed their emergency ratings by up to 7% in 2009. The normal and emergency loads are projected to be 430 and 445 amps, respectively, whereas the current capacity of the limiting conductor on these circuits is 361 amps under normal and 416 amps under emergency conditions. Projected load growth will exacerbate the problem going forward.

Completion of the Reconstruction project will prevent violations of applicable reliability criteria and allow PG&E to maintain system reliability in the project area. For this reason, the Board of Governors of the California Independent System Operator Corporation

("ISO") approved the addition of the Reconstruction project to the ISO-controlled grid (as the Palermo-Rio Oso 115 kV Line Re-construction Project) on May 21, 2008.

### B. Project Components

The project includes the following major components:

#### 1. Power Line Support Structures

In order to mitigate potential environmental impacts, PG&E proposes to reconstruct the double-circuit Palermo-East Nicolaus 115kV power line in place rather than creating an entirely new transmission corridor between Palermo and East Nicolaus Substations. In addition, PG&E has designed the new structures, work areas, and access for the project to avoid sensitive resources along the alignment to the extent possible.

To accommodate the new conductor, the reconstruction project will require the replacement of a majority of the existing towers and a limited number of towers on the adjacent single-circuit line. Existing towers range in approximate height from 75 feet to 95 feet tall, with the typical being approximately 76 feet in height. Different new pole designs will be used depending on site conditions. The existing towers will be replaced with a combination of hybrid tubular steel poles (hybrid poles), tubular steel poles (TSP), and lattice steel poles (LSP) ranging in height from approximately 80 to 120 feet tall. The first ten towers from the Palermo Substation and the last nine towers into the East Nicolaus Substation will not be replaced.

The span lengths will be altered slightly from the existing spans, as new structure placement has been designed to avoid sensitive resources. Of the existing 320 towers, 264 will be replaced with steel poles, and 41 will remain in place. The total number of structures will be reduced by 15.

#### 2. Power Line Conductors

PG&E proposes to increase capacity on the Palermo-East Nicolaus 115kV power line by replacing existing conductor with 1113 All-Aluminum conductors for each circuit from the

Palermo Substation south to Rio Oso Junction and with either 1113 All-Aluminum or 457 SSAC conductor from Rio Oso Junction to East Nicolaus Substation.

Locations where the alignment crosses busy roadways, railroads, and other aerial utilities will first have crossing guard structures installed to keep the conductor from falling down across those areas while pulling, thus prevent injury or damage from the inadvertent falling of the conductor. All guard structure locations will be sited to avoid environmentally sensitive areas.

Conductor pull and tension sites will be regularly spaced along the alignment. The actual pulling activity is usually the last step in the construction process and entails either stringing the new structures with "pulling rope" or using the existing conductor to pull the new one through. If the new conductor cannot be pulled through using the existing conductor, then a helicopter or crane can be used to install the rope onto rollers that are affixed to the end of insulators where the conductor is normally attached. The rope is flown along and snapped into each roller or placed with a crane and then is pulled onto the tension spools with the new conductor behind it.

The existing conductor will be placed in a hoist and attached at one end to the steel tower to support the down strain load, hence removing load on the existing insulator strings. The old insulators will be removed and new insulators placed, along with conductor rollers. Rollers and insulators will be brought in by truck or helicopter to each tower site. In sensitive areas, monitors will coordinate with ground crews to determine appropriate access. The crew may be required to access some towers on foot and by pick-up trucks, or materials may be delivered by helicopter. With the roller in place, the hoist will lower the existing conductor into the roller. When all rollers have been installed in a given section of the tower line, a cable will be attached from the "puller" truck to one end of the conductor; new conductor will be attached to the existing conductor at the opposite end of the "pull" section, and the reconductoring process will begin. The old conductor will be removed while the new conductor is simultaneously pulled in.

Once the new conductor is in place, the crews will sag the new conductor, clip it into the new insulators, and remove the rollers from the section. Helicopters will also be used to remove the rollers and to clip in the new conductor to the insulators.

### 3. Staging/Work Areas

Prior to power line construction, approximately thirteen Lay Down / Staging / Helicopter landing zone areas roughly 1.24 acres each will be prepared to provide space for materials delivery, storage, and preparation; equipment storage; crew parking; and prior to installation. If construction activities take place during winter, areas will be winterized to allow for construction activities to proceed. Upon completion of the project, the areas will be left as agreed to by the property owner. The site layouts will be approved by the project's environmental monitor, and work crew activities will follow all PG&E environmental guidelines. Staging areas will be set back at least 50 feet from streams, creeks, or other water bodies to avoid impacts to riparian habitat.

Sixteen pull and tension sites proposed for construction may require preparation. Temporary crane pads may need to be built if the terrain will not allow for safe operation of a crane. The size of the pad will vary based on the terrain. Pull/tension sites will consist of a relatively flat area in line with the conductor. Where possible, these sites will be placed on previously disturbed areas. Minor grading may be required to establish these sites. Rock will be placed if wet conditions are forecast. Disturbed areas will be recontoured and reseeded as necessary. Water baffles and other erosion control measures will be used as necessary to minimize erosion during work at the sites during the wet season.

Access to the staging and work areas will primarily be by existing roadways (both improved and unimproved) suitable for truck traffic, including highways, county roads, and other major roadways. Construction crews will use existing paved, graveled, or dirt roads along most of

the power line corridor to access staging and work sites; these include existing paved roads and farm roads, in addition to existing maintenance access to the existing power lines. Where necessary, existing access roads will be widened to a maximum of 16 feet, and new, temporary, access roads will be constructed; where ground conditions allow, crew will simply follow a designated overland route that would not require improvements. In environmentally sensitive areas, existing and temporary access roads will be restored to pre-construction conditions. Wetland and stream crossings will be designed to avoid/minimize impacts on identified features; crews will lay mitigation down such as fiberglass mats, steel plates, and temporary bridges as needed to cross features along route that cannot be avoided. Where restrictions on vehicular use and heavy equipment use are noted, foot traffic and helicopter use would still be acceptable.

Helicopters will be used to install structures in locations where overland access is not possible or difficult due to topography and vegetation. Helicopters will be used to remove and deliver structures, materials, equipment, concrete, and workers to these pole locations and to other locations where access is difficult or the project schedule requires it.

### 4. Substations

No major work at the substations will be done as a part of this project. Minor relay replacement or setting changes may be required within the existing substation control buildings.

## III. THE APPLICANT

Since October 10, 1905, PG&E has been an operating public utility corporation, organized under the laws of the State of California. PG&E is engaged principally in the business of furnishing gas and electric service in California. PG&E's principal place of business is 77 Beale Street, San Francisco, California 94105.

Communications with regard to this Application should be addressed to:

Jo Lynn Lambert
Attorney at Law
707 Brookside Avenue
Redlands, CA 92373
Telephone: (909) 793-4942 or (415) 973-5248
Facsimile: (909) 793-8944
JLLm@pge.com

Incorporated herein by reference is a certified copy of PG&E's Articles of Incorporation, effective April 12, 2004, which was filed with the Commission in connection with PG&E's Application No. A.04-05-005 on May 3, 2004.

A copy of PG&E's most recent proxy statement was filed with the Commission on April 14, 2008 in Application 08-04-22, and is incorporated herein by reference. Copies of PG&E's most recent financial statements (contained in the Form 10-Q Quarterly Report filed on November 6, 2008, by PG&E Corporation and the Pacific Gas and Electric Company for the period ending September 30, 2008) were filed with the Commission in connection with PG&E's Application No. A.09-02-013, filed on February 20, 2009, and are incorporated herein by reference.

## IV. ADDITIONAL INFORMATION REQUIRED BY SECTION IX(B) OF GO 131-D:

**A.** A description of the proposed power line or substation facilities, including the proposed power line route; proposed power line equipment, such as structure design and appearance, heights, conductor sizes, voltages, capacities, substations, switchyards, etc., and a proposed schedule for authorization, construction, and commencement of operation.

A detailed description of the proposed project and equipment is contained in Chapter 3 of the PEA, Exhibit A. A Preliminary Project Schedule for authorization, construction, and commencement of operation of the Project is attached as Exhibit B.

**B.** A map of the proposed power line routing or substation location showing populated areas, parks, recreational areas, scenic areas, and existing electrical transmission or power lines within 300 feet of the proposed route or substation.

Detailed maps showing the proposed Palermo-East Nicolaus 115kV Reconstruction Project are provided in the PEA, Exhibit A, as Figures 3-1 and 3-2. Other maps in the PEA showing the project area include Figures 4.1-1, 4.2-1, 4.2-2, 4.4-1, 4.8-1, 4.15-1, 4.15-2, and 4.15-3. An additional map depicting city areas and other power/transmission lines within 300-ft of the project is attached as Exhibit C. No public parks, recreational areas, or scenic areas exist within 300-ft of the Project.

**C.** Reasons for adoption of the power line route or substation location selected, including comparison with alternative routes or locations, including the advantages and disadvantages of each.

As discussed in Chapter 3 of the PEA, Exhibit A, this project consists of reconstructing an existing transmission line, so the discussion of routing issues required in GO 131-D, section IX.B.1.c is not applicable to this application.

PG&E considered an alternate project to add capacity and improve reliability to meet the present and forecasted electric demands of the area. The alternative was to construct a new transmission line from Palermo Substation to Rio Oso Substation. The new transmission line would be approximately 45 miles and was rejected because of significant uncertainties in permitting requirements and feasibility associated with any proposed route for such a long new line. Requirements from agency consultations, CPUC permitting, mitigation of environmental impacts and need for additional rights-of-way would likely result in additional project costs, additional environmental impacts, and additional time needed to complete the project.

**D.** A listing of the governmental agencies with which proposed power line route reviews have been undertaken, including a written agency response to applicant's written request for a brief position statement by that agency. (Such listing shall include The Native American Heritage Commission, which shall constitute notice on California Indian Reservation Tribal governments.) In the absence of a written agency position statement, the utility may submit a statement of its understanding of the position of such agencies.

**United State Fish and Wildlife Service (USFWS)**

On October 10, 2006, PG&E engaged the United State Fish and Wildlife Service (USFWS) in early coordination/Technical Assistance for the project; on October 12, PG&E and the USFWS conducted a field review of the project to familiarize the USFWS with the environmental issues at hand and to give a sense of the magnitude of the project. As of the date of this application, formal ESA Section 7 Consultation has not yet been initiated for this project; no resource agency permits have yet been filed.

**The Native American Heritage Commission (NAHC):**

The Native American Heritage Commission ("NAHC") was contacted during the project field review/study process in May 2006, and reported no known Native American cultural resources in its sacred lands database. Five responses were received from 22 Native American representatives who were contacted in May 2006. All correspondence on this issue is attached as Exhibit D.

**California Independent System Operator (ISO):**

The California ISO's Board of Governors approved PG&E's Reconstruction project on May 21, 2008, indicating it was "necessary to maintain system reliability in accordance with federally mandated reliability standards adopted by the Federal Energy Regulatory Commission" and "constitutes the lowest cost alternative that also provides a long-term solution for the Yuba-Sutter area." A copy of the CAISO Resolution, with supporting memorandum, is attached as Exhibit F.

## V. MEASURES TAKEN TO REDUCE EMF EXPOSURE

Section X(A) of GO 131-D requires that applications for a PTC include a description of the measures taken or proposed by the utility to reduce the potential exposure to electric and magnetic fields ("EMF") generated by the proposed facilities. In accordance with Section X(A) of

GO 131-D, CPUC Decision No. D.06-01-042 ("EMF Decision"), and PG&E's EMF Design Guidelines prepared in accordance with the EMF Decision, PG&E will incorporate "no cost" and "low cost" magnetic field reduction steps in the design of the proposed reconstruction. The design guidelines include the following measures that may be available to reduce the magnetic field strength levels from electric power facilities:

- The phases of the power lines involved will be arranged for minimum magnetic field level at the edge of the right of way.

The Commission's EMF Decision and PG&E's EMF Design Guidelines require PG&E to prepare a Field Management Plan ("FMP") that indicates the no-cost and low-cost EMF measures that will be installed as part of the final engineering design for the project. The FMP evaluates the no-cost and low-cost measures considered for the reconstruction project, the measures adopted, and reasons that certain measures were not adopted. A copy of the Field Management Plan for this Reconstruction project is attached as Exhibit E.

## VI. PUBLIC NOTICE

Pursuant to Section XI(A) of GO 131-D, notice of the Application will be sent to the Butte, Yuba, and Sutter County Planning Departments, the City of Oroville and the City of Marysville Planning Departments, the California Energy Commission, the State Department of Transportation and its Division of Aeronautics, the Secretary of the Resources Agency, the Department of Fish and Game, the Department of Public Health, the California Water Resources Control Board, the Air Resources Board, the Butte County Air Quality Management District, the Feather River Air Quality Management District, the Central Valley Regional Water Quality Control Board, the Native American Heritage Commission, the State Department of Transportation's District Office, the U.S. Fish and Wildlife Service, all owners of land within 300 feet of the proposed project (as determined by the most recent local

assessor's parcel roll available to PG&E at the time the notice is sent), and any other interested parties that have requested such notification.

In accordance with Section XI(A)(2), within ten days after filing the Application, PG&E will advertise a notice of the Application once a week for two successive weeks in the Appeal-Democrat (Sutter and Yuba Counties) and the Oroville Mercury Register (Butte County). In accordance with Section XI(A)(3), PG&E will also post a notice of the Application on-site and off-site where the proposed Reconstruction project is located. PG&E will deliver a copy of the notice to the CPUC Public Advisor and the CPUC's Energy Division in accordance with Section XI(A)(3), and will file a declaration of mailing and posting with the Commission within five days after completion.

## VII. REQUEST FOR TIMELY ACTION

As described in Exhibit B, PG&E's Preliminary Project Schedule, the Reconstruction must be complete and operational by December 2010. To meet these operations requirements, PG&E must begin construction by early fall of 2009.

The project area has experienced record peak electric demand in recent years due to the area's booming development. PG&E's local 115 kV transmission system is at risk of overloading problems; reconductoring the two individual 115 kV circuits between PG&E's Palermo and East Nicolaus Substations will meet present and forecasted electric demands of the area, maintain compliance with applicable grid reliability criteria, and allow development of renewable resources in the area – particularly the hydroelectric generation produced around the Feather River, Lake Oroville, and Yuba River. PG&E has participated in pre-application review with the Commission's Energy Division staff and, given the lack of anticipated environmental issues or public controversy connected with this Reconstruction project, PG&E respectfully requests a streamlined review and approval of this application.

## VIII. EXHIBITS

The following exhibits are attached and incorporated by reference to this Application:

Exhibit A: Palermo-East Nicolaus 115kV Reconstruction Project PEA

Exhibit B: Preliminary Project Schedule

Exhibit C: Project Map

Exhibit D: Native American Heritage Council Correspondence

Exhibit E: EMF Field Management Plan

Exhibit F: California ISO Board of Governor's Approval of the Palermo-Rio Oso 115 kV Line Re-construction Project

## IX. CONCLUSION

WHEREFORE, Applicant Pacific Gas and Electric Company respectfully requests that the Commission issue an order pursuant to GO 131-D, effective immediately, granting PG&E a Permit to Construct the Palermo-East Nicolaus 115kV Reconstruction Project.

Dated in San Francisco, California, this 26th day of February, 2009.

Respectfully submitted,

WILLIAM MANHEIM
DAVID T. KRASKA
Law Department
Pacific Gas and Electric Company
Post Office Box 7442
San Francisco, CA 94120

JO LYNN LAMBERT
ATTORNEY AT LAW
707 Brookside Avenue
Redlands, CA 92373

By: _____
JO LYNN LAMBERT

Attorneys for Applicant
PACIFIC GAS AND ELECTRIC COMPANY

## SCOPING MEMO INFORMATION

Category:

Ratesetting. Pursuant to Rule 2.1(c) of the Commission's Rules of Practice and Procedure, the application must propose a category for the proceeding as defined in Rule 1.3. If none of the enumerated categories are applicable, proceedings will be categorized under the catch-all "ratesetting" category. (CPUC Rule 7.1 (e)(2).) The Commission has consistently found that applications for CPCNs and PTCs under GO 131-D do not fit within any of the enumerated categories and should therefore be considered as "ratesetting proceedings."

Need for hearing:

The CPUC has determined that issues related to project need and cost are not within the scope of PTC applications, leaving only environmental review as a relevant issue. No areas of environmental or other public concern are known. If concerns about the project are raised, PG&E recommends that a public participation hearing be held.

Issues:

None known.

Proposed Schedule:

*See* Part VII of the Application and Exhibit B, attached.

## VERIFICATION

I, the undersigned, declare:

I am an officer of PACIFIC GAS AND ELECTRIC COMPANY, a corporation, and am authorized to make this verification on its behalf. The statements in the foregoing document are true of my own knowledge, except as to matters which are therein stated on information or belief, and as to those matters I believe them to be true.

I declare under penalty of perjury that the foregoing is true and correct.

Executed on Feb. 26, 2008, at San Francisco, California.

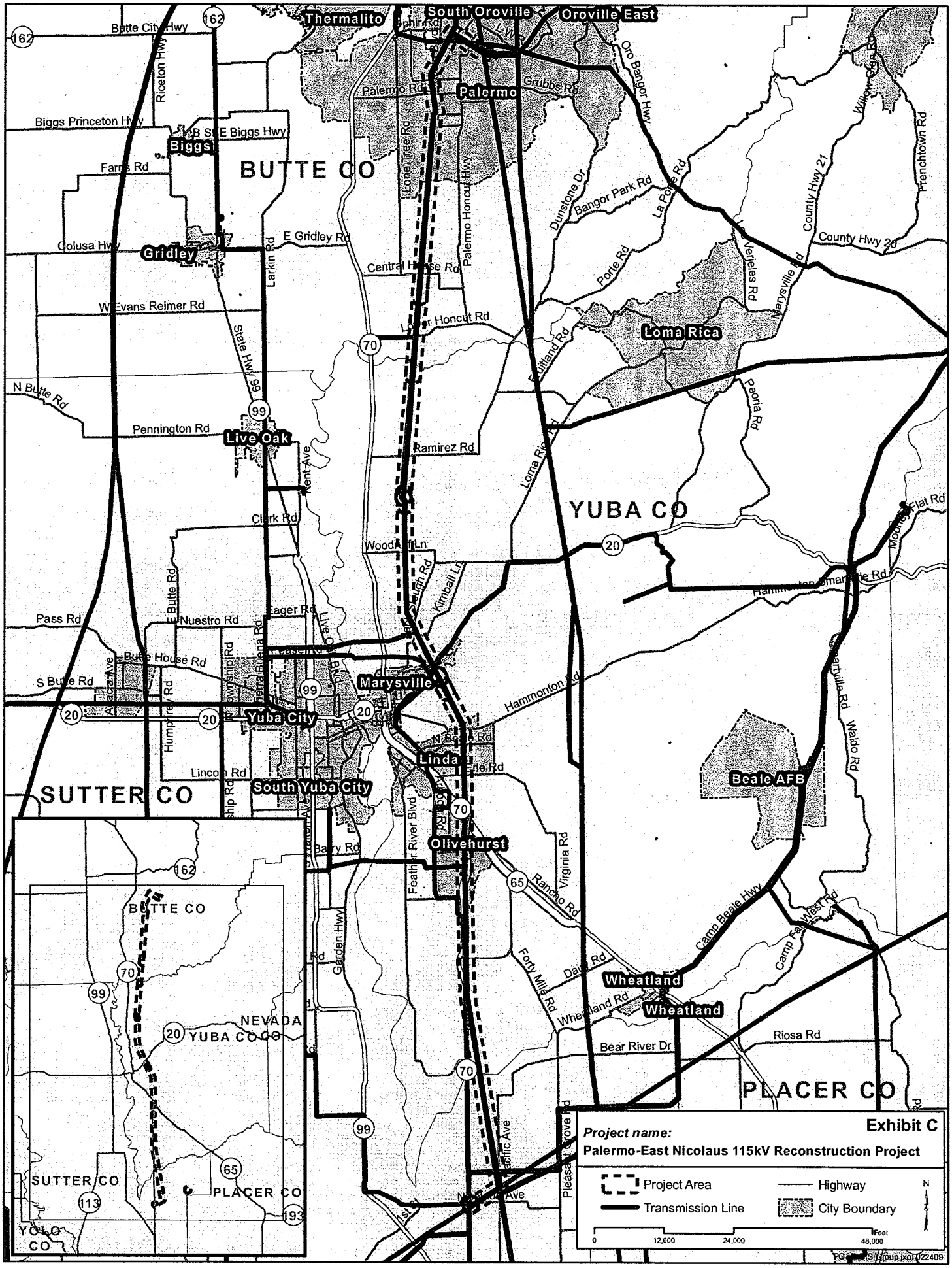
Des Bell
Senior Vice President Shared Service and
Chief Procurement Officer

Exhibit A
Is Bound
Separately

# Exhibit B

## PALERMO-EAST NICOLAUS 115Kv POWER LINE RECONSTRUCTION PROJECT PRELIMINARY PROJECT SCHEDULE

| | |
|---|---|
| PTC Application submitted | February 26, 2009 |
| Preliminary CPUC review, notice of deficiencies, if any | March 27, 2009 or sooner (given pre-application review) |
| Response to any deficiencies | April 15, 2009 or sooner |
| Application complete | May 1, 2009 |
| Draft Negative Declaration released | June 15, 2009 |
| Public Review Period begins | June 15, 2009 |
| Close of Public Review Period | July 15, 2009 |
| Negative Declaration completed and adopted (no later than 105 days (15 weeks) from complete application per CPUC Rule 17.1(f)) | August 2009-September 2009 |
| PTC Decision Adopted and Effective | August 2009-September 2009 |
| Acquisition of Required Permits | August 2009-September 2009 |
| Materials Procurement | July 2009-August 2009 |
| Right of Way/Property Acquisition | April 2009-September 2009 |
| Final Engineering | March 2009 |
| Construction Begins | September 2009-October 2009 (depending on resource availability and environmental constraints) |
| Construction Complete | No later than December 2010 |
| Project Operational | December 2010 |


Thermalito
South Oroville
Oroville East
Palermo
Biggs
Gridley
Live Oak
Loma Rica
Marysville
Yuba City
South Yuba City
Linda
Olivehurst
Beale AFB
Wheatland
BUTTE CO
YUBA CO
SUTTER CO
PLACER CO
NEVADA
YOLO CO
Project name:
Palermo-East Nicolaus 115kV Reconstruction Project
Exhibit C
Project Area
Transmission Line
Highway
City Boundary
N
0
12,000
24,000
48,000
Feet

Jones & Stokes

# Transmittal

| | |
|---|---|
| Date: | May 4, 2006 |
| To: | Debbie Pilas-Treadway<br>Native American Heritage Commission<br>915 Capitol Mall, Room 384<br>Sacramento, CA 95814 |
| From: | Gabriel Roark, Cultural Resources Manager<br>Local Government and Transportation Planning Team |
| cc: | |
| Subject: | **Request for a Sacred Lands File Search and List of Native American Contacts for Butte, Placer, Sutter, and Yuba Counties** |
| Client Name:<br>Project Title:<br>Project Number: | Pacific Gas and Electric Company<br>Palermo-Rio Oso Reconductoring Project<br>PS186.06 |
| Method of Transmission: | ■ Mail ☐ Overnight ☐ Courier |
| Purpose of Transmission: | ☐ Per your request ☐ For your review ☐ For your information or use<br>■ Other: |
| Items Being Transmitted: | Quantity: 12 — Description: Map sections |

Jones & Stokes is assisting PG&E with Section 106 of the National Historic Preservation Act compliance for the above undertaking. The proposed undertaking involves the replacement of a 54-mile electrical transmission line extending from Palermo, Butte County to Rio Oso Substation in Sutter County. As part of our efforts to identify consulting parties to the Section 106 process and gather information about cultural resources that may be affected by the undertaking, we request that you search the Sacred Lands File for the presence of Native American cultural resources. Please also provide a list of persons and organizations in the Native American communities that we should consult with regarding effects on cultural resources. The legal location of the undertaking, by quadrangle, is given below. Please do not hesitate to contact me with any questions. Thanks for your assistance.

Gabriel

**Legal Locations**

Palermo quadrangle: Sections 32–33, T 19 N, R 4 E; Sections 5, 8, 17, 20, 29–31, T 18 N, R 4 E.

Honcut quadrangle: Section 31, T 18 N, R 4 E; Sections 6, 7, 18, 19, and unsectioned portions of the

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www.jonesandstokes.com

Honcut land grant, T 17 N, R 4 E; unsectioned portions of the Honcut land grant, T 16 N, R 4 E and T16 N, R 3 E.

Sutter quadrangle: Sections 3–5 and 8, T 15 N, R 3 E.

Yuba City: Unsectioned portions of the Honcut land grant, T 16 N, R 3 E and T 15 N, R 3 E; unsectioned portions of the Honcut land grant and Section 29, T 15 N, R 4 E.

Gilsizer Slough quadrangle: Sections 3 and 10, T 14 N, R 3 E.

Olivehurst quadrangle: Unsectioned portions of the New Helvetia land grant, T 14 N, R 3 E; sections 29 and 32, T 15 N, R 4 E; sections 4, 8–9, 16–17, 20–21, 28–29, 32–33, T 14 N, R 4 E; section 4, T 13 N, R 4 E.

Nicolaus quadrangle: Sections 4, 9, 16, 21, 28, and 33, T 13 N, R 4 E; sections 2–4, and 9, T 12 N, R 4 E.

Sheridan quadrangle: Sections 35 and 36, T 13 N, R 4 E; section 31, T 13 N, R 5 E; section 2, T 12 N, R 4 E.

STATE OF CALIFORNIA

Arnold Schwarzenegger, Governor

**NATIVE AMERICAN HERITAGE COMMISSION**
915 CAPITOL MALL, ROOM 364
SACRAMENTO, CA 95814
(916) 653-4082
Fax (916) 657-5390
Web Site www.nahc.ca.gov

May 16, 2006

Gabriel Roark, Cultural Resources Manager
Local Government & Transportation Planning Team
Jones & Stokes

Sent by Fax: 916-737-3030
Number of Pages: 6

Re: Proposed Palermo-Rio Oso Reconductoring project, Butte County.

Dear Mr. Roark:

A record search of the sacred land file has failed to indicate the presence of Native American cultural resources in the immediate project area. The absence of specific site information in the sacred lands file does not indicate the absence of cultural resources in any project area. Other sources of cultural resources should also be contacted for information regarding known and recorded sites.

Enclosed is a list of Native Americans individuals/organizations who may have knowledge of cultural resources in the project area. The Commission makes no recommendation or preference of a single individual, or group over another. This list should provide a starting place in locating areas of potential adverse impact within the proposed project area. I suggest you contact all of those indicated, if they cannot supply information, they might recommend others with specific knowledge. By contacting all those listed, your organization will be better able to respond to claims of failure to consult with the appropriate tribe or group. If a response has not been received within two weeks of notification, the Commission requests that you follow-up with a telephone call to ensure that the project information has been received.

If you receive notification of change of addresses and phone numbers from any of these individuals or groups, please notify me. With your assistance we are able to assure that our lists contain current information. If you have any questions or need additional information, please contact me at (916) 653-4038.

Sincerely,

Debbie Pilas-Treadway
Environmental Specialist III

**Native American Contacts**
Butte County
May 16, 2006

KonKow Valley Band of Maidu ✓
Patsy Seek, Chairperson
1706 Sweem Street
Oroville , CA 95965
(530) 533-1504

KonKow / Concow
Maidu

Mechoopda Indian Tribe of Chico Rancheria Fed Rec.
Hygi Waetermans, Tribal Administrator
125 Mission Ranch Blvd
Chico , CA 95926
thouse@mechoopda-nsn.gov
(530) 899-8922 ext-209
Fax: (530) 899-8517

Mechoopda Maidu
Concow

Maidu Cultural and Development Group ✓
Lorena Gorbet
PO Box 426
Greenville , CA 95947
(530) 284-1601

Maidu

Mechoopda Indian Tribe of Chico Rancheria Fed. Rec.
Rebekah Funes, Environmental Director
125 Mission Ranch Blvd
Chico , CA 95926
rfunes@mechoopda-nsn.gov
(530) 343-6614
Fax: (530) 343-6619

Mechoopda Maidu
Concow

Maidu Nation ✓
Clara LeCompte
P.O Box 204
Susanville , CA 96130
(530) 257-9691

Maidu

Mooretown Rancheria of Maidu Indians Fed. Rec.
Gary Archuleta, Chairperson
#1 Alverda Drive
Oroville , CA 95966
gwarchulet@mooretown.org
(530) 533-3625
(530) 533-3680 Fax

Maidu
KonKow / Concow

Mechoopda Indian Tribe of Chico Rancheria
Steve Santos, Chairperson
125 Mission Ranch Blvd
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ssantos@mechoopda-nsn.gov
(530) 899-8922 ext 215
(530) 899-8517 - Fax

Mechoopda Maidu
Concow

Fed Rec.

Mooretown Rancheria of Maidu Indians Fed. Rec.
James Sanders, Tribal Administrator
#1 Alverda Drive
Oroville , CA 95966
(530) 533-3625
(530) 533-3680 FAX

Maidu
KonKow/Concow

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This list is only applicable for contacting local Native Americans with regard to cultural for the proposed * Palermo-Rio Oso Reconductoring project, Butte County.

**Native American Contacts**
Butte County
May 16, 2006

Berry Creek Rancheria of Maidu Indians
Cultural Resources Rep Fed Rec.
#5 Tyme Way Tyme Maidu
Oroville , CA 95966
gmix@berrycreekrancheria.
(530) 534-3859
(530) 534-1151 FAX

Berry Creek Rancheria of Maidu Indians Fed Rec
Jim Edwards, Chairperson
#5 Tyme Way Tyme Maidu
Oroville , CA 95966
gmix@berrycreekrancheria.
(530) 534-3859
(530) 534-1151 FAX

Butte Tribal Council
Ren Reynolds
1693 Mt. Ida Road Maidu
Oroville , CA 95966
(530) 589-1571

Enterprise Rancheria of Maidu Indians
Frank Watson, Vice Chairperson
1940 Feather River Blvd., Suite B Maidu
Oroville , CA 95965
eranch@cncnet.com
(530) 532-9214
(530) 532-1768 FAX

Enterprise Rancheria of Maidu Indians
Glenda Nelson, Chairperson
1940 Feather River Blvd., Suite B Maidu
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eranch@cncnet.com
(530) 532-9214
(530) 532-1768 FAX

Greenville Rancheria of Maidu Indians Fed. Rec.
Lorie Jaimes, Chairperson
PO Box 279 Maidu
Greenville , CA 95947
(530) 284-7990
(530) 284-6612 - Fax

Greenville Rancheria of Maidu Indians Fed. Rec.
Mike DeSpain, EPA/Cultural Resources
PO Box 279 Maidu
Greenville , CA 95947
mdespain
(530) 284-7990
Fax: (530) 284-6612

Greenville Rancheria of Maidu Indians Fed Rec.
~~Kevin Merenda~~, Tribal Administrator
PO Box 279 Maidu
Greenville , CA 95947
~~kmerenda@greenvillerancheria~~
(530) 284-7990
Fax: (530) 284-6612

Gabriel Gorbet

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**Native American Contacts**
Placer County
May 16, 2006

Rose Enos
15310 Bancroft Road
Auburn , CA 95603
(530) 878-2378

Maidu
Washoe

United Auburn Indian Community of the Auburn
Jessica Tavares, Chairperson
575 Menlo Drive, Suite 2
Rocklin , CA 95765
916 663-3720
916 663-3727 - Fax

Maidu
Miwok

Shingle Springs Band of Miwok Indians
Jeff Murray, Cultural Resources Manager
P.O. Box 1340
Shingle , CA 95682
shingle_springs_rancheria@hotmail.com
(530) 676-8010
(530) 676-8033 Fax

Miwok
Maidu
Fed. Rec

Shingle Springs Band of Miwok Indians
Nicholas Fonseca, Chairperson
P.O. Box 1340
Shingle , CA 95682
shingle_springs_rancheria@ho
(530) 676-8010
(530) 676-8033 Fax

Fed. Rec.

Miwok
Maidu

Todd Valley Miwok-Maidu Cultural Foundation
Christopher Suehead, Cultural Representative
PO Box 1490
Foresthill , CA 95631
tvmmcf@foothill.net
(530) 367-3893 - Voice / Fax

Miwok
Maidu

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This list is only applicable for contacting local Native Americans with regard to cultural for the proposed Palermo-Rio Oso Reconductoring project, Placer County.

# Native American Contacts
Sutter County
May 16, 2006

Enterprise Rancheria of Maidu Indians
Frank Watson, Vice Chairperson
1940 Feather River Blvd., Suite B Maidu
Oroville , CA 95965
eranch@cncnet.com
(530) 532-9214
(530) 532-1768 FAX

Enterprise Rancheria of Maidu Indians
Glenda Nelson, Chairperson
1940 Feather River Blvd., Suite B Maidu
Oroville , CA 95965
eranch@cncnet.com
(530) 532-9214
(530) 532-1768 FAX

Strawberry Valley Rancheria
Calvine Rose, Chairperson
PO Box 667 Maidu
Marysville , CA 95901 Miwok
redfoxcornish@saber.net email undeliverable
530-478-8833
530-653-2760

Strawberry Valley Rancheria
Robert Kerfoot
PO Box 667 Maidu
Marysville , CA 95901 Miwok
robert_kerfoot@yahoo.com
530-478-8833
530-653-2760

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**This list is only applicable for contacting local Native Americans with regard to cultural for the proposed Palermo-Rio Oso Reconductoring project, Sutter County.**

**Native American Contacts**
Yuba County
May 16, 2006

Butte Tribal Council
Ren Reynolds
1693 Mt. Ida Road
Oroville , CA 95966
(530) 589-1571
Maidu

Strawberry Valley Rancheria
Calvine Rose, Chairperson
PO Box 667
Marysville , CA 95901
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530-478-8833
530-653-2760
numbers don't work
Maidu
Miwok

Enterprise Rancheria of Maidu Indians
Frank Watson, Vice Chairperson
1940 Feather River Blvd., Suite B
Oroville , CA 95965
eranch@cncnet.com
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(530) 532-1768 FAX
Maidu

Strawberry Valley Rancheria
Robert Kerfoot
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Marysville , CA 95901
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530-478-8833
530-653-2760
Maidu
Miwok

Enterprise Rancheria of Maidu Indians
Glenda Nelson, Chairperson
1940 Feather River Blvd., Suite B
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(530) 532-9214
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Maidu

Maidu Nation
Clara LeCompte
P.O Box 204
Susanville , CA 96130
(530) 257-9691
Maidu

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This list is only applicable for contacting local Native Americans with regard to cultural for the proposed Palermo-Rio Oso Reconductoring project, Yuba County.

May 22, 2008

Ms. Rose Enos
15310 Bancroft Road
Auburn, CA 95603

**Subject: Cultural Resources Inventory for Pacific Gas and Electric Company's Proposed Palermo-Rio Oso 115-kV Reconductoring Project, Butte, Sutter, and Yuba Counties**

Dear Ms. Enos:

Jones and Stokes is assisting PG&E and the U.S. Army Corps of Engineers with Section 106 of the National Historic Preservation Act compliance for a proposed reconductoring project on an existing electrical transmission line. The Native American Heritage Commission provided us with your name as a Native American representative that might be interested with project activity in the vicinity of the proposed undertaking.

PG&E's electric transmission system serving Yuba and Sutter counties is comprised of 230 kV, 115 kV and 60 kV networks and facilities. The area has experienced record peak electric demand in recent years due to the area's increasing development. The 230 kV and 115 kV facilities, crossing the area from north to south, are part of the bulk transmission system and also serve as connections to the surrounding generation facilities including hydro generation produced around Feather River and Lake Oroville. PG&E predicts that it will not be able to sustain reliable electric service in the area if capacity improvements are not made to the system. To meet present and forecasted electric demands of the area, PG&E is proposing several capacity improvement projects to area transmission facilities; one of the projects includes the Palermo-East Nicolaus 115kV transmission line reconstruction between Palermo Substation near Oroville and East Nicolaus Substation south of Marysville.

The subject transmission line is a double circuit tower line that carries two individual 115kV circuits between PG&E's Palermo, East Nicholas, and Rio Oso Substations (Palermo-Nicholas-Rio Oso 115kV and Palermo-Bogue-Rio Oso 115kV circuits). The line will be reconductored with new 715 aluminum cable. In order to accommodate the reconductoring, replacement of existing steel lattice towers (towers) is required. The existing Milliken towers, originally constructed in the early 1900s, are dilapidated structures that will not support the new conductor because of higher tension loads. The towers will be replaced with a combination of hybrid tubular steel poles (hybrid poles), tubular steel poles (TSP), and lattice steel poles (LSP). The capacity increase to the system will result from the replacement of existing copper conductor with the new

aluminum conductor on the subject tower line between Palermo and East Nicholas Substations (of the Palermo-Nicholas-Rio Oso 115kV circuit), and Palermo Substation and Bogue Tap (of the Palermo-Bogue-Rio Oso 115kV circuit). The new conductor will enable an increase in the existing rating of the lines and would eliminate forecasted line overloads.

Re-conductoring work on the Palermo-Rio Oso project will include the following general types of activities: tower replacement/modifications, crossing structures installation, wire pulling and tensioning, tower demolition/removal, tower and reconductoring work area development, material/equipment staging and lay-down area development, and access to all these activity areas. Construction is expected to take 12 to 18 months.

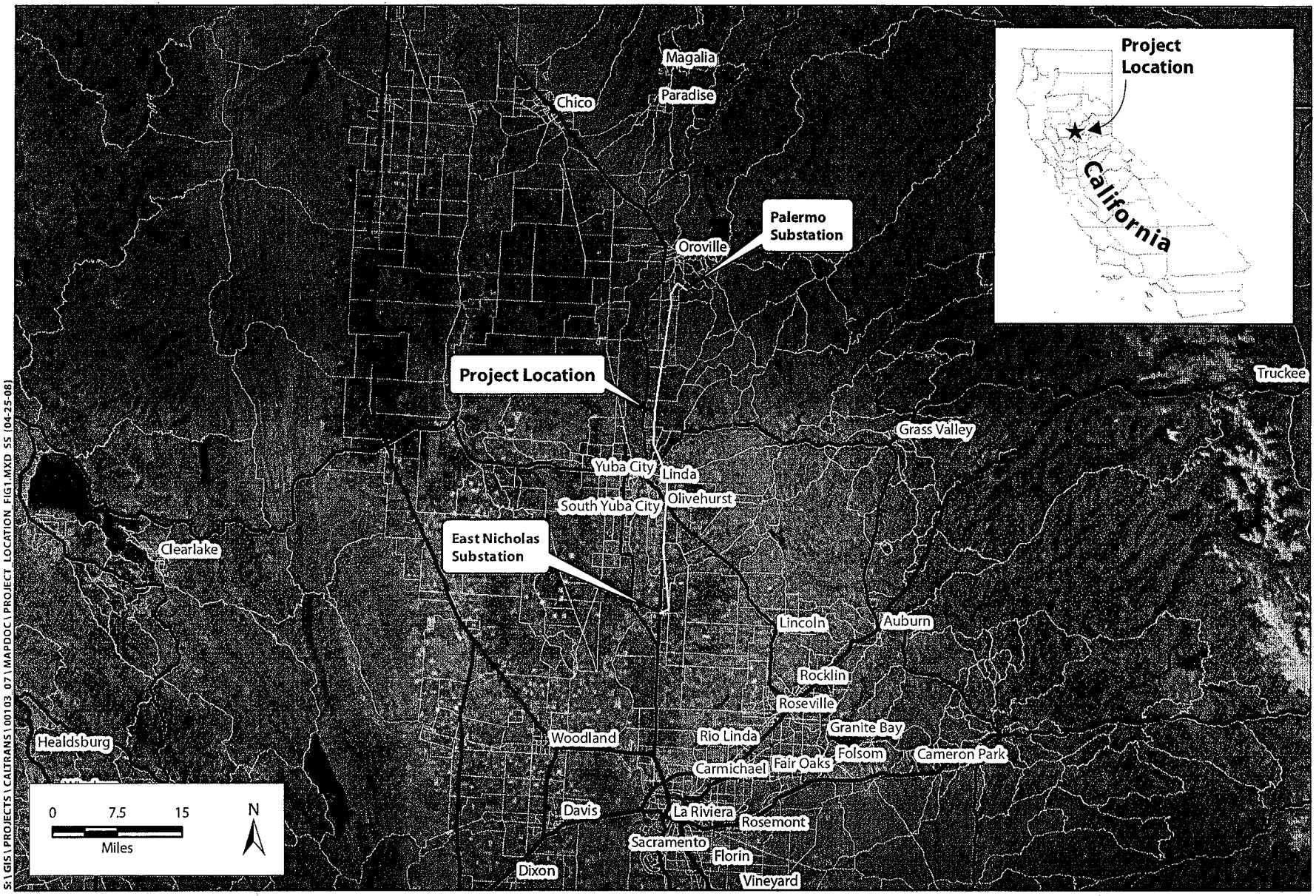
Where feasible, the project area will be accessed by existing roads. Access on non-paved roads will be conducted during the dry season (June–October) when driving over existing roads and around the towers will not create rutting, erosion, or siltation problems

If you have any concerns about the proposed undertaking or information bearing on cultural resource impacts, please do not hesitate to call me at the number below or e-mail me at groark@jsanet.com. Thank you for your consideration of this matter.

Sincerely,

Gabriel Roark
Cultural Resource Manager

Enclosures




S:\GIS\PROJECTS\CALTRANS\00103_07\MAPDOC\PROJECT_LOCATION_FIG1.MXD SS (04-25-08)

Source: I-cubed Imagery (2007), California Inter-agency Watershed Map (2004)

**Palermo - Rio Oso 115 kV Reconductoring Project**
**Regional Location of Project Area**

May 22, 2008

Cultural Resources Representative
Berry Creek Rancheria of Maidu Indians
#5 Tyme Way
Oroville, CA 95966

**Subject: Cultural Resources Inventory for Pacific Gas and Electric Company's Proposed Palermo-Rio Oso 115-kV Reconductoring Project, Butte, Sutter, and Yuba Counties**

To Whom It May Concern:

Jones and Stokes is assisting PG&E and the U.S. Army Corps of Engineers with Section 106 of the National Historic Preservation Act compliance for a proposed reconductoring project on an existing electrical transmission line. The Native American Heritage Commission provided us with your name as a Native American representative that might be interested with project activity in the vicinity of the proposed undertaking.

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Where feasible, the project area will be accessed by existing roads. Access on non-paved roads will be conducted during the dry season (June–October) when driving over existing roads and around the towers will not create rutting, erosion, or siltation problems

If you have any concerns about the proposed undertaking or information bearing on cultural resource impacts, please do not hesitate to call me at the number below or e-mail me at groark@jsanet.com. Thank you for your consideration of this matter.

Sincerely,

Gabriel Roark
Cultural Resource Manager

Enclosures

May 22, 2008

Ms. Clara LeCompte
Maidu Nation
P.O. Box 204
Susanville, CA 96130

**Subject: Cultural Resources Inventory for Pacific Gas and Electric Company's Proposed Palermo-Rio Oso 115-kV Reconductoring Project, Butte, Sutter, and Yuba Counties**

Dear Ms. LeCompte:

Jones and Stokes is assisting PG&E and the U.S. Army Corps of Engineers with Section 106 of the National Historic Preservation Act compliance for a proposed reconductoring project on an existing electrical transmission line. The Native American Heritage Commission provided us with your name as a Native American representative that might be interested with project activity in the vicinity of the proposed undertaking.

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Sincerely,

Gabriel Roark
Cultural Resource Manager

Enclosures

May 22, 2008

Mr. Calvine Rose
Chairperson
Strawberry Valley Rancheria
P.O. Box 667
Marysville, CA 95901

**Subject: Cultural Resources Inventory for Pacific Gas and Electric Company's Proposed Palermo-Rio Oso 115-kV Reconductoring Project, Butte, Sutter, and Yuba Counties**

Dear Mr. Rose:

Jones and Stokes is assisting PG&E and the U.S. Army Corps of Engineers with Section 106 of the National Historic Preservation Act compliance for a proposed reconductoring project on an existing electrical transmission line. The Native American Heritage Commission provided us with your name as a Native American representative that might be interested with project activity in the vicinity of the proposed undertaking.

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Sincerely,

Gabriel Roark
Cultural Resource Manager

Enclosures

May 22, 2008

Mr. Christopher Suehead
Cultural Representative
Todd Valley Miwok-Maidu Cultural Foundation
P.O. Box 1490
Foresthill, CA 95631

**Subject: Cultural Resources Inventory for Pacific Gas and Electric Company's Proposed Palermo-Rio Oso 115-kV Reconductoring Project, Butte, Sutter, and Yuba Counties**

Dear Mr. Suehead:

Jones and Stokes is assisting PG&E and the U.S. Army Corps of Engineers with Section 106 of the National Historic Preservation Act compliance for a proposed reconductoring project on an existing electrical transmission line. The Native American Heritage Commission provided us with your name as a Native American representative that might be interested with project activity in the vicinity of the proposed undertaking.

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Sincerely,

Gabriel Roark
Cultural Resource Manager

Enclosures

May 22, 2008

Mr. Frank Watson
Vice Chairperson
Enterprise Rancheria of Maidu Indians
1940 Feather River Boulevard, Suite B
Oroville, CA 95965

**Subject: Cultural Resources Inventory for Pacific Gas and Electric Company's Proposed Palermo-Rio Oso 115-kV Reconductoring Project, Butte, Sutter, and Yuba Counties**

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Re-conductoring work on the Palermo-Rio Oso project will include the following general types of activities: tower replacement/modifications, crossing structures installation, wire pulling and tensioning, tower demolition/removal, tower and reconductoring work area development, material/equipment staging and lay-down area development, and access to all these activity areas. Construction is expected to take 12 to 18 months.

Where feasible, the project area will be accessed by existing roads. Access on non-paved roads will be conducted during the dry season (June–October) when driving over existing roads and around the towers will not create rutting, erosion, or siltation problems

If you have any concerns about the proposed undertaking or information bearing on cultural resource impacts, please do not hesitate to call me at the number below or e-mail me at groark@jsanet.com. Thank you for your consideration of this matter.

Sincerely,

Gabriel Roark
Cultural Resource Manager

Enclosures

May 22, 2008

Mr. Gary Archuleta
Chairperson
Mooretown Rancheria of Maidu Indians
#1 Alverda Drive
Oroville, CA 95966

**Subject: Cultural Resources Inventory for Pacific Gas and Electric Company's Proposed Palermo-Rio Oso 115-kV Reconductoring Project, Butte, Sutter, and Yuba Counties**

Dear Mr. Archuleta:

Jones and Stokes is assisting PG&E and the U.S. Army Corps of Engineers with Section 106 of the National Historic Preservation Act compliance for a proposed reconductoring project on an existing electrical transmission line. The Native American Heritage Commission provided us with your name as a Native American representative that might be interested with project activity in the vicinity of the proposed undertaking.

PG&E's electric transmission system serving Yuba and Sutter counties is comprised of 230 kV, 115 kV and 60 kV networks and facilities. The area has experienced record peak electric demand in recent years due to the area's increasing development. The 230 kV and 115 kV facilities, crossing the area from north to south, are part of the bulk transmission system and also serve as connections to the surrounding generation facilities including hydro generation produced around Feather River and Lake Oroville. PG&E predicts that it will not be able to sustain reliable electric service in the area if capacity improvements are not made to the system. To meet present and forecasted electric demands of the area, PG&E is proposing several capacity improvement projects to area transmission facilities; one of the projects includes the Palermo-East Nicolaus 115kV transmission line reconstruction between Palermo Substation near Oroville and East Nicolaus Substation south of Marysville.

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Sincerely,

Gabriel Roark
Cultural Resource Manager

Enclosures

May 22, 2008

Ms. Glenda Nelson
Chairperson
Enterprise Rancheria of Maidu Indians
1940 Feather River Boulevard, Suite B
Oroville, CA 95965

**Subject: Cultural Resources Inventory for Pacific Gas and Electric Company's Proposed Palermo-Rio Oso 115-kV Reconductoring Project, Butte, Sutter, and Yuba Counties**

Dear Ms. Nelson:

Jones and Stokes is assisting PG&E and the U.S. Army Corps of Engineers with Section 106 of the National Historic Preservation Act compliance for a proposed reconductoring project on an existing electrical transmission line. The Native American Heritage Commission provided us with your name as a Native American representative that might be interested with project activity in the vicinity of the proposed undertaking.

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Sincerely,

Gabriel Roark
Cultural Resource Manager

Enclosures

May 22, 2008

Hygi Waetermans
Tribal Administrator
Mechoopda Indian Tribe of Chico Rancheria
125 Mission Ranch Boulevard
Chico, CA 95926

**Subject: Cultural Resources Inventory for Pacific Gas and Electric Company's Proposed Palermo-Rio Oso 115-kV Reconductoring Project, Butte, Sutter, and Yuba Counties**

Dear Waetermans:

Jones and Stokes is assisting PG&E and the U.S. Army Corps of Engineers with Section 106 of the National Historic Preservation Act compliance for a proposed reconductoring project on an existing electrical transmission line. The Native American Heritage Commission provided us with your name as a Native American representative that might be interested with project activity in the vicinity of the proposed undertaking.

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Sincerely,

Gabriel Roark
Cultural Resource Manager

Enclosures

May 22, 2008

Mr. Jim Edwards
Chairperson
Berry Creek Rancheria of Maidu Indians
#5 Tyme Way
Oroville, CA 95966

**Subject: Cultural Resources Inventory for Pacific Gas and Electric Company's Proposed Palermo-Rio Oso 115-kV Reconductoring Project, Butte, Sutter, and Yuba Counties**

Dear Mr. Edwards:

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Sincerely,

Gabriel Roark
Cultural Resource Manager

Enclosures

May 22, 2008

Mr. Jeff Murray
Cultural Resources Manager
Shingle Springs Band of Miwok Indians
P.O. Box 1340
Shingle Springs, CA 95682

**Subject: Cultural Resources Inventory for Pacific Gas and Electric Company's Proposed Palermo-Rio Oso 115-kV Reconductoring Project, Butte, Sutter, and Yuba Counties**

Dear Mr. Murray:

Jones and Stokes is assisting PG&E and the U.S. Army Corps of Engineers with Section 106 of the National Historic Preservation Act compliance for a proposed reconductoring project on an existing electrical transmission line. The Native American Heritage Commission provided us with your name as a Native American representative that might be interested with project activity in the vicinity of the proposed undertaking.

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Sincerely,

Gabriel Roark
Cultural Resource Manager

Enclosures

May 22, 2008

Mr. James Sanders
Tribal Administrator
Mooretown Rancheria of Maidu Indians
#1 Alverda Drive
Oroville, CA 95966

**Subject: Cultural Resources Inventory for Pacific Gas and Electric Company's Proposed Palermo-Rio Oso 115-kV Reconductoring Project, Butte, Sutter, and Yuba Counties**

Dear Mr. Sanders:

Jones and Stokes is assisting PG&E and the U.S. Army Corps of Engineers with Section 106 of the National Historic Preservation Act compliance for a proposed reconductoring project on an existing electrical transmission line. The Native American Heritage Commission provided us with your name as a Native American representative that might be interested with project activity in the vicinity of the proposed undertaking.

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Sincerely,

Gabriel Roark
Cultural Resource Manager

Enclosures

May 22, 2008

Ms. Jessica Tavares
Chairperson
United Auburn Indian Community of the Auburn
575 Menlo Drive, Suite 2
Rocklin, CA 95765

**Subject: Cultural Resources Inventory for Pacific Gas and Electric Company's Proposed Palermo-Rio Oso 115-kV Reconductoring Project, Butte, Sutter, and Yuba Counties**

Dear Ms. Tavares:

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Sincerely,

Gabriel Roark
Cultural Resource Manager

Enclosures

May 22, 2008

Mr. Kevin Merenda
Tribal Administrator
Greenville Rancheria of Maidu Indians
P.O. Box 279
Greenville, CA 95947

**Subject: Cultural Resources Inventory for Pacific Gas and Electric Company's Proposed Palermo-Rio Oso 115-kV Reconductoring Project, Butte, Sutter, and Yuba Counties**

Dear Mr. Merenda:

Jones and Stokes is assisting PG&E and the U.S. Army Corps of Engineers with Section 106 of the National Historic Preservation Act compliance for a proposed reconductoring project on an existing electrical transmission line. The Native American Heritage Commission provided us with your name as a Native American representative that might be interested with project activity in the vicinity of the proposed undertaking.

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Sincerely,

Gabriel Roark
Cultural Resource Manager

Enclosures

May 22, 2008

Ms. Lorena Gorbet
Maidu Cultural and Development Group
P.O. Box 426
Greenville, CA 95947

**Subject: Cultural Resources Inventory for Pacific Gas and Electric Company's Proposed Palermo-Rio Oso 115-kV Reconductoring Project, Butte, Sutter, and Yuba Counties**

Dear Ms. Gorbet:

Jones and Stokes is assisting PG&E and the U.S. Army Corps of Engineers with Section 106 of the National Historic Preservation Act compliance for a proposed reconductoring project on an existing electrical transmission line. The Native American Heritage Commission provided us with your name as a Native American representative that might be interested with project activity in the vicinity of the proposed undertaking.

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system will result from the replacement of existing copper conductor with the new aluminum conductor on the subject tower line between Palermo and East Nicholas Substations (of the Palermo-Nicholas-Rio Oso 115kV circuit), and Palermo Substation and Bogue Tap (of the Palermo-Bogue-Rio Oso 115kV circuit). The new conductor will enable an increase in the existing rating of the lines and would eliminate forecasted line overloads.

Re-conductoring work on the Palermo-Rio Oso project will include the following general types of activities: tower replacement/modifications, crossing structures installation, wire pulling and tensioning, tower demolition/removal, tower and reconductoring work area development, material/equipment staging and lay-down area development, and access to all these activity areas. Construction is expected to take 12 to 18 months.

Where feasible, the project area will be accessed by existing roads. Access on non-paved roads will be conducted during the dry season (June–October) when driving over existing roads and around the towers will not create rutting, erosion, or siltation problems

If you have any concerns about the proposed undertaking or information bearing on cultural resource impacts, please do not hesitate to call me at the number below or e-mail me at groark@jsanet.com. Thank you for your consideration of this matter.

Sincerely,

Gabriel Roark
Cultural Resource Manager

Enclosures

May 22, 2008

Ms. Lorie Jaimes
Chairperson
Greenville Rancheria of Maidu Indians
P.O. Box 279
Greenville, CA 95947

**Subject: Cultural Resources Inventory for Pacific Gas and Electric Company's Proposed Palermo-Rio Oso 115-kV Reconductoring Project, Butte, Sutter, and Yuba Counties**

Dear Ms. Jaimes:

Jones and Stokes is assisting PG&E and the U.S. Army Corps of Engineers with Section 106 of the National Historic Preservation Act compliance for a proposed reconductoring project on an existing electrical transmission line. The Native American Heritage Commission provided us with your name as a Native American representative that might be interested with project activity in the vicinity of the proposed undertaking.

PG&E's electric transmission system serving Yuba and Sutter counties is comprised of 230 kV, 115 kV and 60 kV networks and facilities. The area has experienced record peak electric demand in recent years due to the area's increasing development. The 230 kV and 115 kV facilities, crossing the area from north to south, are part of the bulk transmission system and also serve as connections to the surrounding generation facilities including hydro generation produced around Feather River and Lake Oroville. PG&E predicts that it will not be able to sustain reliable electric service in the area if capacity improvements are not made to the system. To meet present and forecasted electric demands of the area, PG&E is proposing several capacity improvement projects to area transmission facilities; one of the projects includes the Palermo-East Nicolaus 115kV transmission line reconstruction between Palermo Substation near Oroville and East Nicolaus Substation south of Marysville.

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Sincerely,

Gabriel Roark
Cultural Resource Manager

Enclosures

May 22, 2008

Mr. Mike DeSpain
EPA/Cultural Resources
Greenville Rancheria of Maidu Indians
P.O. Box 279
Greenville, CA 95947

**Subject: Cultural Resources Inventory for Pacific Gas and Electric Company's Proposed Palermo-Rio Oso 115-kV Reconductoring Project, Butte, Sutter, and Yuba Counties**

Dear Mr. DeSpain:

Jones and Stokes is assisting PG&E and the U.S. Army Corps of Engineers with Section 106 of the National Historic Preservation Act compliance for a proposed reconductoring project on an existing electrical transmission line. The Native American Heritage Commission provided us with your name as a Native American representative that might be interested with project activity in the vicinity of the proposed undertaking.

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If you have any concerns about the proposed undertaking or information bearing on cultural resource impacts, please do not hesitate to call me at the number below or e-mail me at groark@jsanet.com. Thank you for your consideration of this matter.

Sincerely,

Gabriel Roark
Cultural Resource Manager

Enclosures

May 22, 2008

Mr. Nicholas Fonseca
Chairperson
Shingle Springs Band of Miwok Indians
P.O. Box 1340
Shingle Springs, CA 95682

**Subject: Cultural Resources Inventory for Pacific Gas and Electric Company's Proposed Palermo-Rio Oso 115-kV Reconductoring Project, Butte, Sutter, and Yuba Counties**

Dear Mr. Fonseca:

Jones and Stokes is assisting PG&E and the U.S. Army Corps of Engineers with Section 106 of the National Historic Preservation Act compliance for a proposed reconductoring project on an existing electrical transmission line. The Native American Heritage Commission provided us with your name as a Native American representative that might be interested with project activity in the vicinity of the proposed undertaking.

PG&E's electric transmission system serving Yuba and Sutter counties is comprised of 230 kV, 115 kV and 60 kV networks and facilities. The area has experienced record peak electric demand in recent years due to the area's increasing development. The 230 kV and 115 kV facilities, crossing the area from north to south, are part of the bulk transmission system and also serve as connections to the surrounding generation facilities including hydro generation produced around Feather River and Lake Oroville. PG&E predicts that it will not be able to sustain reliable electric service in the area if capacity improvements are not made to the system. To meet present and forecasted electric demands of the area, PG&E is proposing several capacity improvement projects to area transmission facilities; one of the projects includes the Palermo-East Nicolaus 115kV transmission line reconstruction between Palermo Substation near Oroville and East Nicolaus Substation south of Marysville.

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Sincerely,

Gabriel Roark
Cultural Resource Manager

Enclosures

May 22, 2008

Ms. Patsy Seek
Chairperson
KonKow Valley Band of Maidu
1706 Sweem Street
Oroville, CA 95965

**Subject: Cultural Resources Inventory for Pacific Gas and Electric Company's Proposed Palermo-Rio Oso 115-kV Reconductoring Project, Butte, Sutter, and Yuba Counties**

Dear Ms. Seek:

Jones and Stokes is assisting PG&E and the U.S. Army Corps of Engineers with Section 106 of the National Historic Preservation Act compliance for a proposed reconductoring project on an existing electrical transmission line. The Native American Heritage Commission provided us with your name as a Native American representative that might be interested with project activity in the vicinity of the proposed undertaking.

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Sincerely,

Gabriel Roark
Cultural Resource Manager

Enclosures

May 22, 2008

Ms. Rebekah Funes
Environmental Director
Mechoopda Indian Tribe of Chico Rancheria
125 Mission Ranch Boulevard
Chico, CA 95926

**Subject: Cultural Resources Inventory for Pacific Gas and Electric Company's Proposed Palermo-Rio Oso 115-kV Reconductoring Project, Butte, Sutter, and Yuba Counties**

Dear Ms. Funes:

Jones and Stokes is assisting PG&E and the U.S. Army Corps of Engineers with Section 106 of the National Historic Preservation Act compliance for a proposed reconductoring project on an existing electrical transmission line. The Native American Heritage Commission provided us with your name as a Native American representative that might be interested with project activity in the vicinity of the proposed undertaking.

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If you have any concerns about the proposed undertaking or information bearing on cultural resource impacts, please do not hesitate to call me at the number below or e-mail me at groark@jsanet.com. Thank you for your consideration of this matter.

Sincerely,

Gabriel Roark
Cultural Resource Manager

Enclosures

May 22, 2008

Mr. Robert Kerfoot
Strawberry Valley Rancheria
P.O. Box 667
Marysville, CA 95901

**Subject: Cultural Resources Inventory for Pacific Gas and Electric Company's Proposed Palermo-Rio Oso 115-kV Reconductoring Project, Butte, Sutter, and Yuba Counties**

Dear Mr. Kerfoot:

Jones and Stokes is assisting PG&E and the U.S. Army Corps of Engineers with Section 106 of the National Historic Preservation Act compliance for a proposed reconductoring project on an existing electrical transmission line. The Native American Heritage Commission provided us with your name as a Native American representative that might be interested with project activity in the vicinity of the proposed undertaking.

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Sincerely,

Gabriel Roark
Cultural Resource Manager

Enclosures

May 22, 2008

Mr. Ren Reynolds
Butte Tribal Council
1693 Mt. Ida Road
Oroville, CA 95966

**Subject: Cultural Resources Inventory for Pacific Gas and Electric Company's Proposed Palermo-Rio Oso 115-kV Reconductoring Project, Butte, Sutter, and Yuba Counties**

Dear Mr. Reynolds:

Jones and Stokes is assisting PG&E and the U.S. Army Corps of Engineers with Section 106 of the National Historic Preservation Act compliance for a proposed reconductoring project on an existing electrical transmission line. The Native American Heritage Commission provided us with your name as a Native American representative that might be interested with project activity in the vicinity of the proposed undertaking.

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Sincerely,

Gabriel Roark
Cultural Resource Manager

Enclosures

May 22, 2008

Mr. Steve Santos
Chairperson
Mechoopda Indian Tribe of Chico Rancheria
125 Mission Ranch Boulevard
Chico, CA 95926

**Subject: Cultural Resources Inventory for Pacific Gas and Electric Company's Proposed Palermo-Rio Oso 115-kV Reconductoring Project, Butte, Sutter, and Yuba Counties**

Dear Mr. Santos:

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Sincerely,

Gabriel Roark
Cultural Resource Manager

Enclosures

May 23, 2006

Cultural Resources Representative
Berry Creek Rancheria of Maidu Indians
#5 Tyme Way
Oroville, CA 95966

Subject: Cultural Resources Inventory for Pacific Gas and Electric Company's Proposed Palermo-Rio Oso 115-kV Reconductoring Project, Butte, Placer, Sutter, and Yuba Counties

To Whom It May Concern:

Jones and Stokes is assisting PG&E and the U.S. Army Corps of Engineers with Section 106 of the National Historic Preservation Act compliance for a proposed reconductoring project on an existing electrical transmission line. The Native American Heritage Commission provided us with your name as a Native American representative that might be interested with project activity in the vicinity of the proposed undertaking.

The transmission line begins at Palermo Substation southeast of Oroville and consists of two circuits or lines of towers. The twin circuit runs south from Palermo Substation approximately 14 miles to Jack Slough, 1 mile north of Marysville. At this point a single circuit runs west and the twin circuit continues south. The single circuit extends about 6 miles west, crossing the Feather River before ending at the Pease Substation northwest of Yuba City. The twin circuit proceeds south another 9 miles through Olivehurst, at which point a single circuit branches off the twin circuit heading west. The single circuit extends about 6 miles, crossing the Feather River and ending at Bogue Substation 1 mile south of Yuba City. The twin circuit continues south following State Route 70 for a distance of 11 miles to the community of Trowbridge. The twin circuit splits into two single circuits at this point, one traveling 1.5 miles west to the East Nicolaus Substation and the other east 5 miles to the Rio Oso Subtation. Maps are enclosed for your reference.

PG&E proposes to remove and replace the conductors and towers along one circuit of the transmission line. The replacement towers will likely be pole towers, requiring the excavation of an 8-feet diameter hole to a depth of 20–25 feet to install the new towers. Construction access will be along existing roads, although PG&E may undertake off-road travel between towers. PG&E may need to improve some access roads with periodic graveling and other maintenance.

If you have any concerns about the proposed undertaking or information bearing on cultural resource impacts, please do not hesitate to call me at the number below or e-mail me at groark@jsanet.com. Thank you for your consideration of this matter.

Sincerely,

Gabriel Roark
Cultural Resource Manager

Enclosures

May 23, 2006

Ms. Clara LeCompte
Maidu Nation
P.O. Box 204
Susanville, CA 96130

Subject: Cultural Resources Inventory for Pacific Gas and Electric Company's Proposed Palermo-Rio Oso 115-kV Reconductoring Project, Butte, Placer, Sutter, and Yuba Counties

Dear Ms. LeCompte:

Jones and Stokes is assisting PG&E and the U.S. Army Corps of Engineers with Section 106 of the National Historic Preservation Act compliance for a proposed reconductoring project on an existing electrical transmission line. The Native American Heritage Commission provided us with your name as a Native American representative that might be interested with project activity in the vicinity of the proposed undertaking.

The transmission line begins at Palermo Substation southeast of Oroville and consists of two circuits or lines of towers. The twin circuit runs south from Palermo Substation approximately 14 miles to Jack Slough, 1 mile north of Marysville. At this point a single circuit runs west and the twin circuit continues south. The single circuit extends about 6 miles west, crossing the Feather River before ending at the Pease Substation northwest of Yuba City. The twin circuit proceeds south another 9 miles through Olivehurst, at which point a single circuit branches off the twin circuit heading west. The single circuit extends about 6 miles, crossing the Feather River and ending at Bogue Substation 1 mile south of Yuba City. The twin circuit continues south following State Route 70 for a distance of 11 miles to the community of Trowbridge. The twin circuit splits into two single circuits at this point, one traveling 1.5 miles west to the East Nicolaus Substation and the other east 5 miles to the Rio Oso Subtation. Maps are enclosed for your reference.

PG&E proposes to remove and replace the conductors and towers along one circuit of the transmission line. The replacement towers will likely be pole towers, requiring the excavation of an 8-feet diameter hole to a depth of 20–25 feet to install the new towers. Construction access will be along existing roads, although PG&E may undertake off-road travel between towers. PG&E may need to improve some access roads with periodic graveling and other maintenance.

If you have any concerns about the proposed undertaking or information bearing on cultural resource impacts, please do not hesitate to call me at the number below or e-mail me at groark@jsanet.com. Thank you for your consideration of this matter.

Sincerely,

Gabriel Roark
Cultural Resource Manager

Enclosures

May 23, 2006

Mr. Calvine Rose
Chairperson
Strawberry Valley Rancheria
P.O. Box 667
Marysville, CA 95901

Subject: Cultural Resources Inventory for Pacific Gas and Electric Company's Proposed Palermo-Rio Oso 115-kV Reconductoring Project, Butte, Placer, Sutter, and Yuba Counties

Dear Mr. Rose:

Jones and Stokes is assisting PG&E and the U.S. Army Corps of Engineers with Section 106 of the National Historic Preservation Act compliance for a proposed reconductoring project on an existing electrical transmission line. The Native American Heritage Commission provided us with your name as a Native American representative that might be interested with project activity in the vicinity of the proposed undertaking.

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Sincerely,

Gabriel Roark
Cultural Resource Manager

Enclosures

May 23, 2006

Mr. Christopher Suehead
Cultural Representative
Todd Valley Miwok-Maidu Cultural Foundation
P.O. Box 1490
Foresthill, CA 95631

Subject: Cultural Resources Inventory for Pacific Gas and Electric Company's Proposed Palermo-Rio Oso 115-kV Reconductoring Project, Butte, Placer, Sutter, and Yuba Counties

Dear Ms. Enos:

Jones and Stokes is assisting PG&E and the U.S. Army Corps of Engineers with Section 106 of the National Historic Preservation Act compliance for a proposed reconductoring project on an existing electrical transmission line. The Native American Heritage Commission provided us with your name as a Native American representative that might be interested with project activity in the vicinity of the proposed undertaking.

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Sincerely,

Gabriel Roark
Cultural Resource Manager

Enclosures

May 23, 2006

Mr. Frank Watson
Vice Chairperson
Enterprise Rancheria of Maidu Indians
1940 Feather River Boulevard, Suite B
Oroville, CA 95965

Subject: Cultural Resources Inventory for Pacific Gas and Electric Company's Proposed Palermo-Rio Oso 115-kV Reconductoring Project, Butte, Placer, Sutter, and Yuba Counties

Dear Mr. Watson:

Jones and Stokes is assisting PG&E and the U.S. Army Corps of Engineers with Section 106 of the National Historic Preservation Act compliance for a proposed reconductoring project on an existing electrical transmission line. The Native American Heritage Commission provided us with your name as a Native American representative that might be interested with project activity in the vicinity of the proposed undertaking.

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Sincerely,

Gabriel Roark
Cultural Resource Manager

Enclosures

May 23, 2006

Mr. Gary Archuleta
Chairperson
Mooretown Rancheria of Maidu Indians
#1 Alverda Drive
Oroville, CA 95966

Subject: Cultural Resources Inventory for Pacific Gas and Electric Company's Proposed Palermo-Rio Oso 115-kV Reconductoring Project, Butte, Placer, Sutter, and Yuba Counties

Dear Mr. Archuleta:

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Sincerely,

Gabriel Roark
Cultural Resource Manager

Enclosures

May 23, 2006

Ms. Glenda Nelson
Chairperson
Enterprise Rancheria of Maidu Indians
1940 Feather River Boulevard, Suite B
Oroville, CA 95965

Subject: Cultural Resources Inventory for Pacific Gas and Electric Company's Proposed Palermo-Rio Oso 115-kV Reconductoring Project, Butte, Placer, Sutter, and Yuba Counties

Dear Ms. Nelson:

Jones and Stokes is assisting PG&E and the U.S. Army Corps of Engineers with Section 106 of the National Historic Preservation Act compliance for a proposed reconductoring project on an existing electrical transmission line. The Native American Heritage Commission provided us with your name as a Native American representative that might be interested with project activity in the vicinity of the proposed undertaking.

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Sincerely,

Gabriel Roark
Cultural Resource Manager

Enclosures

May 23, 2006

Hygi Waetermans
Tribal Administrator
Mechoopda Indian Tribe of Chico Rancheria
125 Mission Ranch Boulevard
Chico, CA 95926

Subject: Cultural Resources Inventory for Pacific Gas and Electric Company's Proposed Palermo-Rio Oso 115-kV Reconductoring Project, Butte, Placer, Sutter, and Yuba Counties

Dear Hygi:

Jones and Stokes is assisting PG&E and the U.S. Army Corps of Engineers with Section 106 of the National Historic Preservation Act compliance for a proposed reconductoring project on an existing electrical transmission line. The Native American Heritage Commission provided us with your name as a Native American representative that might be interested with project activity in the vicinity of the proposed undertaking.

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Sincerely,

Gabriel Roark
Cultural Resource Manager

Enclosures

May 23, 2006

Mr. Jim Edwards
Chairperson
Berry Creek Rancheria of Maidu Indians
#5 Tyme Way
Oroville, CA 95966

Subject: Cultural Resources Inventory for Pacific Gas and Electric Company's Proposed Palermo-Rio Oso 115-kV Reconductoring Project, Butte, Placer, Sutter, and Yuba Counties

Dear Mr. Edwards:

Jones and Stokes is assisting PG&E and the U.S. Army Corps of Engineers with Section 106 of the National Historic Preservation Act compliance for a proposed reconductoring project on an existing electrical transmission line. The Native American Heritage Commission provided us with your name as a Native American representative that might be interested with project activity in the vicinity of the proposed undertaking.

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Sincerely,

Gabriel Roark
Cultural Resource Manager

Enclosures

May 23, 2006

Mr. Jeff Murray
Cultural Resources Manager
Shingle Springs Band of Miwok Indians
P.O. Box 1340
Shingle Springs, CA 95682

Subject: Cultural Resources Inventory for Pacific Gas and Electric Company's Proposed Palermo-Rio Oso 115-kV Reconductoring Project, Butte, Placer, Sutter, and Yuba Counties

Dear Jeff:

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Sincerely,

Gabriel Roark
Cultural Resource Manager

Enclosures

May 23, 2006

Mr. James Sanders
Tribal Administrator
Mooretown Rancheria of Maidu Indians
#1 Alverda Drive
Oroville, CA 95966

Subject: Cultural Resources Inventory for Pacific Gas and Electric Company's Proposed Palermo-Rio Oso 115-kV Reconductoring Project, Butte, Placer, Sutter, and Yuba Counties

Dear Mr. Sanders:

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Sincerely,

Gabriel Roark
Cultural Resource Manager

Enclosures

May 23, 2006

Ms. Jessica Tavares
Chairperson
United Auburn Indian Community of the Auburn Rancheria
575 Menlo Drive, Suite 2
Rocklin, CA 95765

Subject: Cultural Resources Inventory for Pacific Gas and Electric Company's Proposed Palermo-Rio Oso 115-kV Reconductoring Project, Butte, Placer, Sutter, and Yuba Counties

Dear Ms. Tavares:

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Sincerely,

Gabriel Roark
Cultural Resource Manager

Enclosures

May 23, 2006

Mr. Kevin Merenda
Tribal Administrator
Greenville Rancheria of Maidu Indians
P.O. Box 279
Greenville, CA 95947

Subject: Cultural Resources Inventory for Pacific Gas and Electric Company's Proposed Palermo-Rio Oso 115-kV Reconductoring Project, Butte, Placer, Sutter, and Yuba Counties

Dear Mr. Merenda:

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Sincerely,

Gabriel Roark
Cultural Resource Manager

Enclosures

May 23, 2006

Ms. Lorena Gorbet
Maidu Cultural and Development Group
P.O. Box 426
Greenville, CA 95947

Subject: Cultural Resources Inventory for Pacific Gas and Electric Company's Proposed Palermo-Rio Oso 115-kV Reconductoring Project, Butte, Placer, Sutter, and Yuba Counties

Dear Ms. Gorbet:

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Sincerely,

Gabriel Roark
Cultural Resource Manager

Enclosures

May 23, 2006

Ms. Lorie Jaimes
Chairperson
Greenville Rancheria of Maidu Indians
P.O. Box 279
Greenville, CA 95947

Subject: Cultural Resources Inventory for Pacific Gas and Electric Company's Proposed Palermo-Rio Oso 115-kV Reconductoring Project, Butte, Placer, Sutter, and Yuba Counties

Dear Ms. Jaimes:

Jones and Stokes is assisting PG&E and the U.S. Army Corps of Engineers with Section 106 of the National Historic Preservation Act compliance for a proposed reconductoring project on an existing electrical transmission line. The Native American Heritage Commission provided us with your name as a Native American representative that might be interested with project activity in the vicinity of the proposed undertaking.

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Sincerely,

Gabriel Roark
Cultural Resource Manager

Enclosures

May 23, 2006

Mr. Mike DeSpain
EPA/Cultural Resources
Greenville Rancheria of Maidu Indians
P.O. Box 279
Greenville, CA 95947

Subject: Cultural Resources Inventory for Pacific Gas and Electric Company's Proposed Palermo-Rio Oso 115-kV Reconductoring Project, Butte, Placer, Sutter, and Yuba Counties

Dear Mr. DeSpain:

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The transmission line begins at Palermo Substation southeast of Oroville and consists of two circuits or lines of towers. The twin circuit runs south from Palermo Substation approximately 14 miles to Jack Slough, 1 mile north of Marysville. At this point a single circuit runs west and the twin circuit continues south. The single circuit extends about 6 miles west, crossing the Feather River before ending at the Pease Substation northwest of Yuba City. The twin circuit proceeds south another 9 miles through Olivehurst, at which point a single circuit branches off the twin circuit heading west. The single circuit extends about 6 miles, crossing the Feather River and ending at Bogue Substation 1 mile south of Yuba City. The twin circuit continues south following State Route 70 for a distance of 11 miles to the community of Trowbridge. The twin circuit splits into two single circuits at this point, one traveling 1.5 miles west to the East Nicolaus Substation and the other east 5 miles to the Rio Oso Subtation. Maps are enclosed for your reference.

PG&E proposes to remove and replace the conductors and towers along one circuit of the transmission line. The replacement towers will likely be pole towers, requiring the excavation of an 8-feet diameter hole to a depth of 20–25 feet to install the new towers. Construction access will be along existing roads, although PG&E may undertake off-road travel between towers. PG&E may need to improve some access roads with periodic graveling and other maintenance.

If you have any concerns about the proposed undertaking or information bearing on cultural resource impacts, please do not hesitate to call me at the number below or e-mail me at groark@jsanet.com. Thank you for your consideration of this matter.

Sincerely,

Gabriel Roark
Cultural Resource Manager

Enclosures

May 23, 2006

Mr. Nicholas Fonseca
Chairperson
Shingle Springs Band of Miwok Indians
P.O. Box 1340
Shingle Springs, CA 95682

Subject: Cultural Resources Inventory for Pacific Gas and Electric Company's Proposed Palermo-Rio Oso 115-kV Reconductoring Project, Butte, Placer, Sutter, and Yuba Counties

Dear Mr. Fonseca:

Jones and Stokes is assisting PG&E and the U.S. Army Corps of Engineers with Section 106 of the National Historic Preservation Act compliance for a proposed reconductoring project on an existing electrical transmission line. The Native American Heritage Commission provided us with your name as a Native American representative that might be interested with project activity in the vicinity of the proposed undertaking.

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Sincerely,

Gabriel Roark
Cultural Resource Manager

Enclosures

May 23, 2006

Ms. Patsy Seek
Chairperson
KonKow Valley Band of Maidu
1706 Sweem Street
Oroville, CA 95965

Subject: Cultural Resources Inventory for Pacific Gas and Electric Company's Proposed Palermo-Rio Oso 115-kV Reconductoring Project, Butte, Placer, Sutter, and Yuba Counties

Dear Ms. Seek:

Jones and Stokes is assisting PG&E and the U.S. Army Corps of Engineers with Section 106 of the National Historic Preservation Act compliance for a proposed reconductoring project on an existing electrical transmission line. The Native American Heritage Commission provided us with your name as a Native American representative that might be interested with project activity in the vicinity of the proposed undertaking.

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PG&E proposes to remove and replace the conductors and towers along one circuit of the transmission line. The replacement towers will likely be pole towers, requiring the excavation of an 8-feet diameter hole to a depth of 20–25 feet to install the new towers. Construction access will be along existing roads, although PG&E may undertake off-road travel between towers. PG&E may need to improve some access roads with periodic graveling and other maintenance.

If you have any concerns about the proposed undertaking or information bearing on cultural resource impacts, please do not hesitate to call me at the number below or e-mail me at groark@jsanet.com. Thank you for your consideration of this matter.

Sincerely,

Gabriel Roark
Cultural Resource Manager

Enclosures

May 23, 2006

Ms. Rose Enos
15310 Bancroft Road
Auburn, CA 95603

Subject: Cultural Resources Inventory for Pacific Gas and Electric Company's Proposed Palermo-Rio Oso 115-kV Reconductoring Project, Butte, Placer, Sutter, and Yuba Counties

Dear Ms. Enos:

Jones and Stokes is assisting PG&E and the U.S. Army Corps of Engineers with Section 106 of the National Historic Preservation Act compliance for a proposed reconductoring project on an existing electrical transmission line. The Native American Heritage Commission provided us with your name as a Native American representative that might be interested with project activity in the vicinity of the proposed undertaking.

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PG&E proposes to remove and replace the conductors and towers along one circuit of the transmission line. The replacement towers will likely be pole towers, requiring the excavation of an 8-feet diameter hole to a depth of 20–25 feet to install the new towers. Construction access will be along existing roads, although PG&E may undertake off-road travel between towers. PG&E may need to improve some access roads with periodic graveling and other maintenance.

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Sincerely,

Gabriel Roark
Cultural Resource Manager

Enclosures

May 23, 2006

Ms. Rebekah Funes
Environmental Director
Mechoopda Indian Tribe of Chico Rancheria
125 Mission Ranch Boulevard
Chico, CA 95926

Subject: Cultural Resources Inventory for Pacific Gas and Electric Company's Proposed Palermo-Rio Oso 115-kV Reconductoring Project, Butte, Placer, Sutter, and Yuba Counties

Dear Ms. Funes:

Jones and Stokes is assisting PG&E and the U.S. Army Corps of Engineers with Section 106 of the National Historic Preservation Act compliance for a proposed reconductoring project on an existing electrical transmission line. The Native American Heritage Commission provided us with your name as a Native American representative that might be interested with project activity in the vicinity of the proposed undertaking.

The transmission line begins at Palermo Substation southeast of Oroville and consists of two circuits or lines of towers. The twin circuit runs south from Palermo Substation approximately 14 miles to Jack Slough, 1 mile north of Marysville. At this point a single circuit runs west and the twin circuit continues south. The single circuit extends about 6 miles west, crossing the Feather River before ending at the Pease Substation northwest of Yuba City. The twin circuit proceeds south another 9 miles through Olivehurst, at which point a single circuit branches off the twin circuit heading west. The single circuit extends about 6 miles, crossing the Feather River and ending at Bogue Substation 1 mile south of Yuba City. The twin circuit continues south following State Route 70 for a distance of 11 miles to the community of Trowbridge. The twin circuit splits into two single circuits at this point, one traveling 1.5 miles west to the East Nicolaus Substation and the other east 5 miles to the Rio Oso Subtation. Maps are enclosed for your reference.

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Sincerely,

Gabriel Roark
Cultural Resource Manager

Enclosures

May 23, 2006

Mr. Robert Kerfoot
Strawberry Valley Rancheria
P.O. Box 667
Marysville, CA 95901

Subject: Cultural Resources Inventory for Pacific Gas and Electric Company's Proposed Palermo-Rio Oso 115-kV Reconductoring Project, Butte, Placer, Sutter, and Yuba Counties

Dear Mr. Kerfoot:

Jones and Stokes is assisting PG&E and the U.S. Army Corps of Engineers with Section 106 of the National Historic Preservation Act compliance for a proposed reconductoring project on an existing electrical transmission line. The Native American Heritage Commission provided us with your name as a Native American representative that might be interested with project activity in the vicinity of the proposed undertaking.

The transmission line begins at Palermo Substation southeast of Oroville and consists of two circuits or lines of towers. The twin circuit runs south from Palermo Substation approximately 14 miles to Jack Slough, 1 mile north of Marysville. At this point a single circuit runs west and the twin circuit continues south. The single circuit extends about 6 miles west, crossing the Feather River before ending at the Pease Substation northwest of Yuba City. The twin circuit proceeds south another 9 miles through Olivehurst, at which point a single circuit branches off the twin circuit heading west. The single circuit extends about 6 miles, crossing the Feather River and ending at Bogue Substation 1 mile south of Yuba City. The twin circuit continues south following State Route 70 for a distance of 11 miles to the community of Trowbridge. The twin circuit splits into two single circuits at this point, one traveling 1.5 miles west to the East Nicolaus Substation and the other east 5 miles to the Rio Oso Subtation. Maps are enclosed for your reference.

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Sincerely,

Gabriel Roark
Cultural Resource Manager

Enclosures

May 23, 2006

Mr. Ren Reynolds
Butte Tribal Council
1693 Mt. Ida Road
Oroville, CA 95966

Subject: Cultural Resources Inventory for Pacific Gas and Electric Company's Proposed Palermo-Rio Oso 115-kV Reconductoring Project, Butte, Placer, Sutter, and Yuba Counties

Dear Mr. Reynolds:

Jones and Stokes is assisting PG&E and the U.S. Army Corps of Engineers with Section 106 of the National Historic Preservation Act compliance for a proposed reconductoring project on an existing electrical transmission line. The Native American Heritage Commission provided us with your name as a Native American representative that might be interested with project activity in the vicinity of the proposed undertaking.

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Sincerely,

Gabriel Roark
Cultural Resource Manager

Enclosures

May 23, 2006

Mr. Steve Santos
Chairperson
Mechoopda Indian Tribe of Chico Rancheria
125 Mission Ranch Boulevard
Chico, CA 95926

Subject: Cultural Resources Inventory for Pacific Gas and Electric Company's Proposed Palermo-Rio Oso 115-kV Reconductoring Project, Butte, Placer, Sutter, and Yuba Counties

Dear Mr. Santos:

Jones and Stokes is assisting PG&E and the U.S. Army Corps of Engineers with Section 106 of the National Historic Preservation Act compliance for a proposed reconductoring project on an existing electrical transmission line. The Native American Heritage Commission provided us with your name as a Native American representative that might be interested with project activity in the vicinity of the proposed undertaking.

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Sincerely,

Gabriel Roark
Cultural Resource Manager

Enclosures

Jones & Stokes

## Personal Communications

| | |
|---|---|
| Gabriel Roark, Jones & Stokes | Client: PG&E |
| Date: June 7, 2006 | Project Name: Palermo-Rio Oso |
| Time: 10:50 a.m. | Billing Number: 06411.06 001 |

First and Last Name: Lorena Gorbet
Job Title:
Agency/Firm: Maidu Cultural and Development Group
Phone Number: 530/284-1601 Extension:

☒ Telephone Conversation

| | | | | |
|---|---|---|---|---|
| ☒ I | ☐ He | ☐ She | ☒ Called | ☐ Returned Call |
| ☐ Email | | ☐ Fax | ☐ Letter | |
| ☐ Memorandum | | ☐ Meeting | ☐ [Enter Type] | |

### Notes

Ms. Gorbet has no concerns about the undertaking. She recommended talking to the Oroville area tribes.

Jones & Stokes

## Personal Communications

| | |
|---|---|
| Gabriel Roark, Jones & Stokes | Client: PG&E |
| Date: June 7, 2006 | Project Name: Palermo-Rio Oso |
| Time: 10:30 a.m. | Billing Number: 06411.06 001 |

First and Last Name: Patsy Seek
Job Title: Chairperson
Agency/Firm: KonKow Valley Band of Maidu
Phone Number: 530/533-1504 Extension:

☒ Telephone Conversation

| | | | | |
|---|---|---|---|---|
| ☒ I | ☐ He | ☐ She | ☒ Called | ☐ Returned Call |
| ☐ Email | | ☐ Fax | ☐ Letter | |
| ☐ Memorandum | | ☐ Meeting | ☐ [Enter Type] | |

### Notes

Ms. Seek indicated that she had no particular concerns about the proposed undertaking, but exhibited mild interest in a tour of the undertaking. She recommended getting in touch with Ren Reynolds at Enterprise Rancheria, as the undertaking is more in their traditional area.

Jones & Stokes

## Personal Communications

| | |
|---|---|
| Gabriel Roark, Jones & Stokes | Client: PG&E |
| Date: June 7, 2006 | Project Name: Palermo-Rio Oso |
| Time: 10:51 a.m. | Billing Number: 06411.06 001 |

First and Last Name: Calvine Rose
Job Title: Chairperson
Agency/Firm: Strawberry Valley Rancheria
Phone Number: 530/478-8833 Alternate Number: 530/653-2760

☒ Telephone Conversation

☒ I ☐ He ☐ She ☒ Called ☐ Returned Call

☐ Email ☐ Fax ☐ Letter
☐ Memorandum ☐ Meeting ☐ [Enter Type]

### Notes

Neither phone number works.

RE Palermo-Rio Oso 115-kV Transmission Line Reconductoring Project
From: Mike DeSpain [mdespain.epa@greenvillerancheria.com]
Sent: Tuesday, June 06, 2006 3:27 PM
To: Gabriel Roark
Subject: RE: Palermo-Rio Oso 115-kV Transmission Line Reconductoring Project

Gabriel; I am in the process of reviewing this project. I have a question, could you forward a copy of the Cultural Records? This would make the reviewing process quicker. By the way, K Merenda is no longer an employee. Our new Administrator is Gabriel Gorbet (ggorbet@greenvillerancheria.com). Thanks Michael

From: Gabriel Roark [mailto:GRoark@jsanet.com]
Sent: Tuesday, June 06, 2006 2:27 PM
To: kmerenda@greenvillerancheria.com; mdespain@greenvillerancheria.com
Subject: Palermo-Rio Oso 115-kV Transmission Line Reconductoring Project

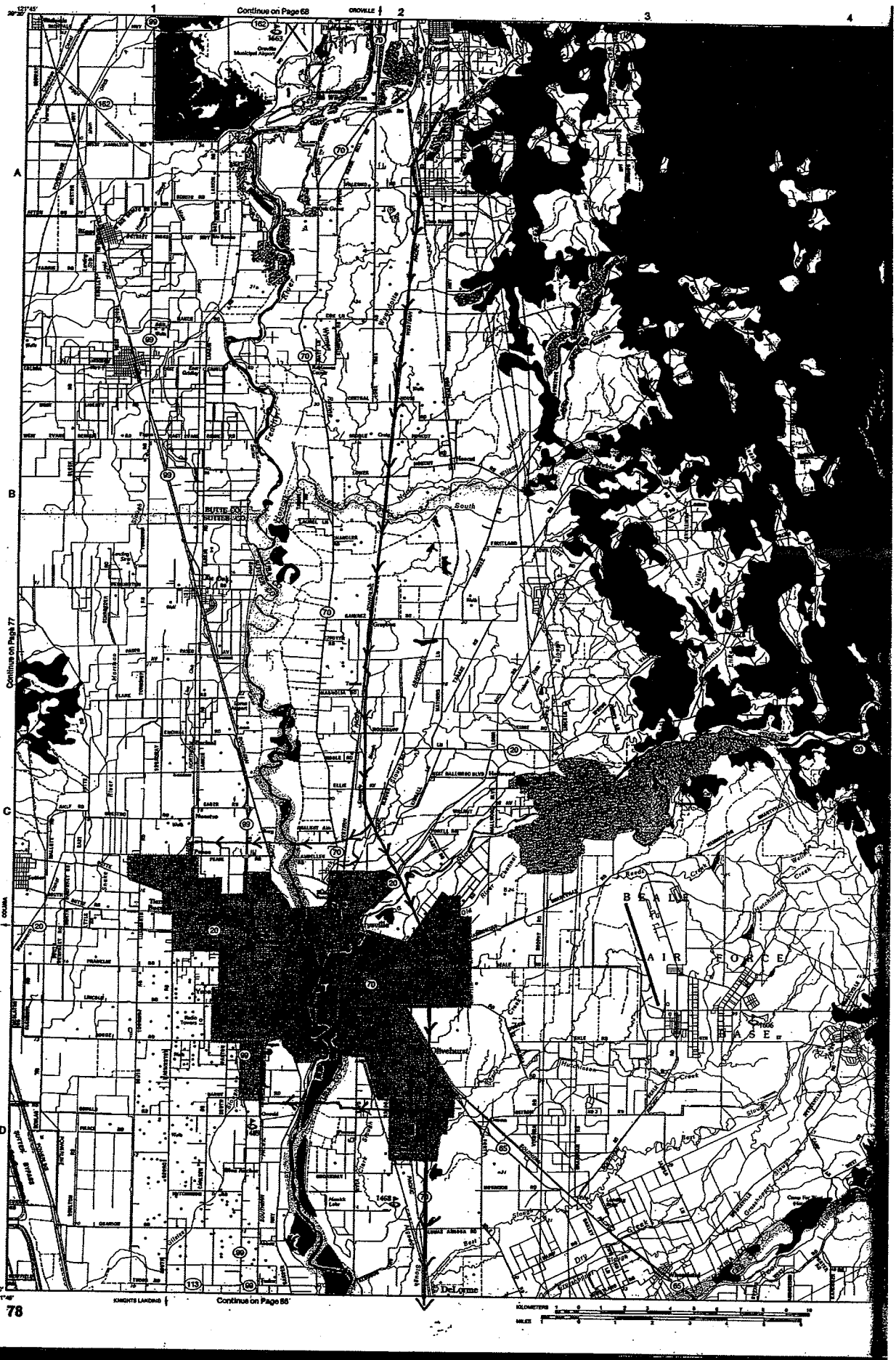
Dear Mr. DeSpain and Mr. Merenda:

I am sending this e-mail as a follow-up to a letter (dated May 23, 2006) that I mailed to you regarding Pacific Gas and Electric Company's Palermo-Rio Oso Reconductoring Project. Have you had time to review the letter and accompanying maps? Is there additional information that we can provide you? Please feel free to contact me by telephone, mail, fax, or e-mail if you have information needs or concerns that wish to impart. Thank you for your consideration of this matter.

Sincerely,

Gabriel Roark
Jones & Stokes
Archaeologist
2600 V Street • Sacramento, CA 95818
W: 916.737.3000 • Fx: 916.737.3030
groark@jsanet.com www.jonesandstokes.com

Your Project Means the World to Us


Continue on Page 68
OROVILLE
Continue on Page 77
BUTTE CO.
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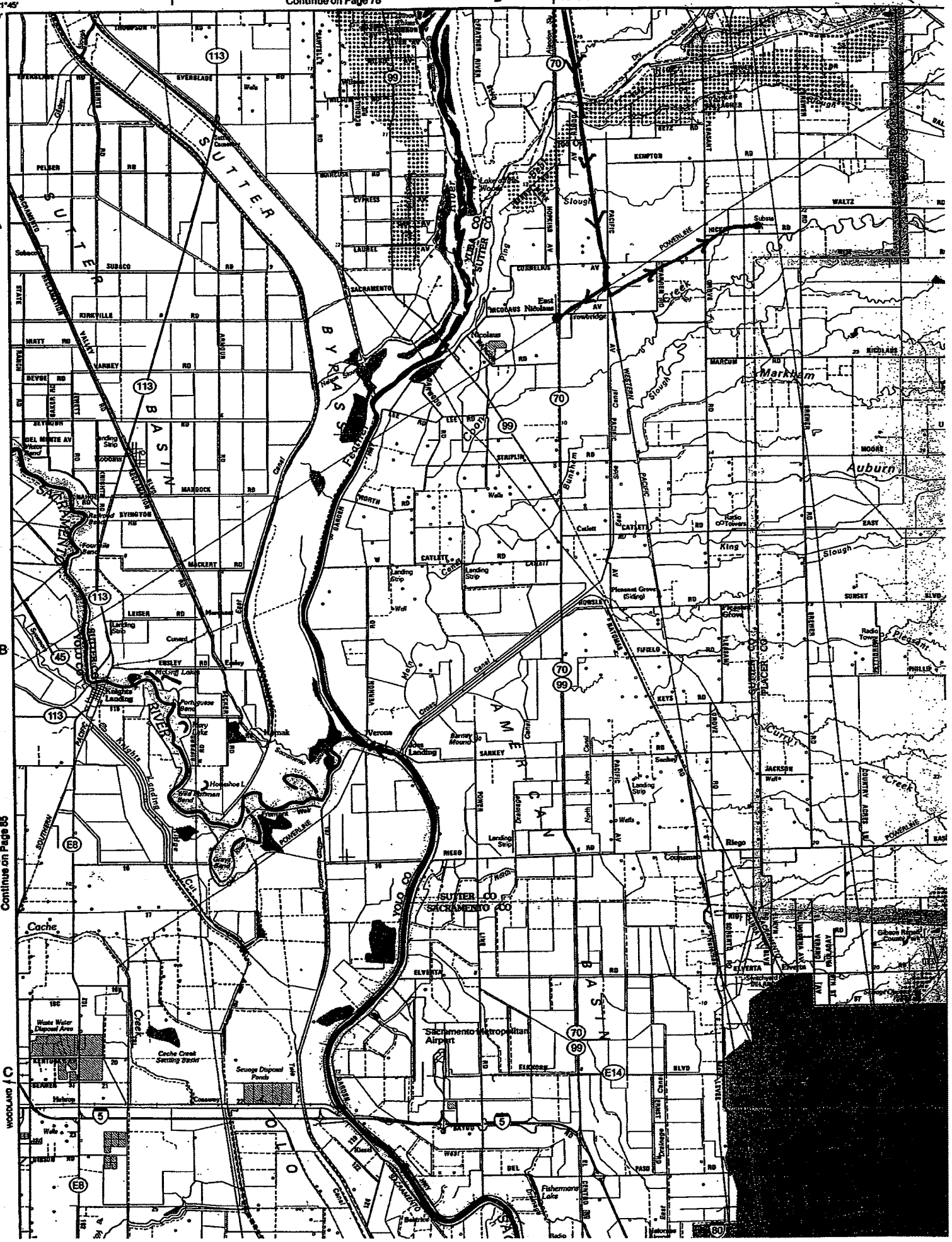

# References Cited


Amaglio, Sandro

2004 Letter Report regarding County of Yuba, Olivehurst Interceptor, FEMA-DR-1044-CA, HMGP #1044-0017. April 5. U.S. Department of Homeland Security, Federal Emergency Management Agency, Oakland, California. Prepared for Office of Historic Preservation, Sacramento, California. On file, North Central Information Center, California State University, Sacramento.

Atchley, Sara

2001 *Negative Archaeological Survey Report for the SR 70 and Plumas-Arboga Road Interchange, Yuba County, California.* January 30. Jones & Stokes, Sacramento, California. On file, North Central Information Center, California State University, Sacramento.

Bayham, Frank E.

1987 *Archaeological Survey for Proposed Repair/Replacement Projects in Yuba County, California: Ramirez Road, Hammonton-Smartville Road, Plumas-Arboga Road, and Loma Rica Road.* November. Archaeological Research Program, Department of Anthropology, California State University, Chico. Prepared for County of Yuba, Department of Public Works, Marysville, California. On file, North Central Information Center, California State University, Sacramento.

Berg, John E., Julia G. Costello, and Stephen R. Wee

1995 *Archaeological Survey Report and Historic Study Report for the State Route 70 Project, Sutter and Yuba Counties, California.* June. Far Western Anthropological Research Group, Inc., Davis, California; Foothill Resources, Ltd., Mokelumne Hill, California; JRP Historical Consulting Services, Davis, California. Prepared for Woodward-Clyde Consultants, Oakland, California. On file, North Central Information Center, California State University, Sacramento.

Billat, Lorna

2001 Letter Report regarding Construction of a Cellular Facility (NEXTEL Site Number CA-0455A) in Olivehurst, California. August 22. EarthTouch, LLC, Layton, Utah. Submitted to California Office of Historic Preservation, Sacramento, California. On file, North Central Information Center, California State University, Sacramento (Study 2961).

Bouey, Paul D.

1990a *Sacramento River Flood Control System Evaluation, Marysville-Yuba City Area Cultural Resources Survey*. March. Far Western Anthropological Research Group, Inc., Davis, California. Prepared for United States Department of the Army, Sacramento District, Corps of Engineers, Sacramento, California. Contract No. DACW0590P1417. On file, North Central Information Center, California State University, Sacramento.

1990b *Cultural Resource Inventory of the Cottonwood–Elverta #3 Transmission Line*. May. Far Western Anthropological Research Group, Inc., Davis, California. Prepared for J.F. Sato and Associates, Golden, Colorado. On file, Northeast Center, California State University, Chico (Study 1042).

California Department of Transportation

2000 *Historic Property Survey Report for an Interchange on State Route 70 at Plumas-Arboga Road, Yuba County, California*. On file, North Central Information Center, California State University, Sacramento.

2002 *Marysville to Oroville Freeway Yuba and Butte Counties: Positive Archaeological Survey Report*. August. Vol. 1. Prepared for Federal Highway Administration. On file, North Central Information Center, California State University, Sacramento.

Deitz, Frank

1998 *Cultural Resources Assessment within Reclamation District 784, Yuba County, California (Sac 15) for: Cultural Resource Inventory and Evaluation for the U.S. Army Corps of Engineers, Sacramento District PL 84-99 Levee Rehabilitation on the Feather, Bear, Sacramento and San Joaquin River Systems*. December 17. U.S. Army Corps of Engineers, Sacramento District, Sacramento, California. On file, North Central Information Center, California State University, Sacramento (Study 2086).

1999 *Cultural Resources Assessment within Reclamation District 784, Yuba County, California (Sac 15) for: Cultural Resource Inventory and Evaluation for the U.S. Army Corps of Engineers, Sacramento District PL 84-99 Levee Rehabilitation on the Feather, Bear, Sacramento and San Joaquin River Systems*. April 5. U.S. Army Corps of Engineers, Sacramento District, Sacramento, California. On file, North Central Information Center, California State University, Sacramento (Study 2085).

Dwyer, Erin

2005 *Historic Resources Compliance Report, State Route 70 Excess Land Transfer, Yuba County*. July. California Department of Transportation, District 3, Marysville. On file, North Central Information Center, California State University, Sacramento (Study 6674).

Furlong Archaeological Consulting
2005 *Cultural Resources Inventory of the Ashlock Property, Oroville, Butte County, California*. June. Furlong Archaeological Consulting, Oroville, California. Prepared for Eco-Analysts, Chico, California. On file, Northeast Center, California State University, Chico (Study 6406).

Furlong, Denise, and Kim Tremaine
2001 *Archaeological Monitoring for WS04 Long Haul Fiber Optic Segment, between Sacramento and Bakersfield, California*. August 15. Tremaine & Associates, LLC, Dixon, California. Prepared for Level 3 Communications, Pleasant Hill, California. On file, North Central Information Center, California State University, Sacramento (Study 3853).

Gallaway Consulting
2005 *Archaeological Evaluation, Ophir/Lincoln Intersection Improvement*. Gallaway Consulting, Inc., Chico, California. Prepared for Butte County. On file, Northeast Center, California State University, Chico.

General Land Office
1856 Survey Plat of Township No. 17 North, Range No. 4 East, Mount Diablo Meridian. Surveyed in 1855. On file, Northeast Center, California State University, Chico.
1859 Plat of the New Helvetia Rancho. On file, Northeast Center, California State University, Chico.
1860a Survey Plat of Township No. 16 North, Range No. 4 East, Mount Diablo Meridian. Surveyed in 1853, 1855, 1857, 1859. On file, Northeast Center, California State University, Chico.
1860b Survey Plat of Township No. 15 North, Range No. 4 East, Mount Diablo Meridian. Surveyed in 1853, 1854, 1855, 1857, 1859, 1860. On file, Northeast Center, California State University, Chico.
1860c Survey Plat of Township No. 14 North, Range No. 4 East, Mount Diablo Meridian. Surveyed in 1854, 1856, 1859, 1860. On file, Northeast Center, California State University, Chico.
1860d Survey Plat of Township No. 13 North, Range No. 4 East, Mount Diablo Meridian. On file, Northeast Center, California State University, Chico.
1862 Plat of the Honcut Rancho. May. On file, Northeast Center, California State University, Chico.
1873 Survey Plat of Township No. 16 North, Range No. 4 East, Mount Diablo Meridian. Surveyed in 1853, 1855, 1857, 1859. On file, Northeast Center, California State University, Chico.

Gilreath, Amy J., Rand Herbert, and D. A. Riggs

1990 *The Sacramento River Flood Control System Evaluation for the Marysville/Yuba City Area: A Cultural Resource Overview*. Far Western Anthropological Research Group, Inc. and Jackson Research Projects, Davis, California. Prepared for United States Department of the Army, Sacramento District, Corps of Engineers, Sacramento, California. On file, North Central Information Center, California State University, Sacramento.

Huberland, Amy

2003 *Yuba City General Plan Historical Resources Overview*. On file, Northeast Information Center, California State University, Chico (Study 5754).

Has a good overview of archaeology and ethnography.

Jensen, Peter M.

2004a *Archaeological Inventory Survey, Thoroughbred Acres Development Project, c. 100 Acres on Arboga Road and McGowan Parkway, Yuba County, California.* October 20. Jensen & Associates, Chico, California. Preapred for Ryland Homes, Inc., Sacramento, California. On file, North Central Information Center, California State University, Sacramento.

2004b *Archaeological Inventory Survey, Olivehurst Public Utility District's Proposed Expansion Project, c. 454 Acres within and Adjacent to the Waterwater Treatment Plant Site at Olivehurst, Yuba County, California*. February 28. Jensen & Associates, Chico, California. Prepared for CH2M Hill, Inc., Sacramento, California. On file, North Central Information Center, California State University, Sacramento.

2004c *Archaeological Inventory Survey, Hawes Ranch Residential Subdivision Project, c. 40 Acres South of Olivehurst, Yuba County, California*. March 5. Jensen & Associates, Chico, California. Prepared for Foothill Associates, Inc., Rocklin, California. On file, North Central Information Center, California State University, Sacramento.

2005 *Class I Archaeological Survey: Reclamation District 784 Master Plan Update, Yuba County, California*. August 8. Jensen & Associates, Chico, California. Prepared for Foothill Associates, Inc., Rocklin, California. On file, North Central Information Center, California State University, Sacramento (Study 6724).

Johnson, Keith L.

1980 Letter Report regarding an Archaeological Reconnaissance of Baggett-Palermo Road, Project No. 18485C-79-1. February 1. Prepared for City of Oroville, Department of Public Works, Oroville, California. On file, Northeast Center, California State University, Chico (Study B-L-109).

Jones & Stokes (needless to say, we can provide copies of these reports; contexts in both highlighted reports are good; and the second is an excavation report)

2001 *Historic Resources Evaluation Report for the Western Pacific Railroad Segment along SR 70, EA# 2A270K, Yuba County, California*. January. Jones & Stokes, Sacramento, California. Prepared for California Department of Transportation, District 3, Marysville. On file, North Central Information Center, California State University, Sacramento.

2003 *Cultural Resources Inventory and Evaluation Report for the Yuba-Feather Supplemental Flood Control Project, Yuba County, California*. November. Jones & Stokes, Sacramento, California. Prepared for Yuba County Water Agency, Marysville, California. On file, North Central Information Center, California State University, Sacramento.

2004 *Cultural Resources Inventory and Evaluation Report for the Bear River and Western Pacific Interceptor Canal Levee Improvements Project, Yuba County, California*. May. Jones & Stokes, Sacramento, California. Prepared for Three Rivers Levee Improvement Authority, Marysville, California. On file, North Central Information Center, California State University, Sacramento.

2005 *Archaeological Testing and Evaluation Report for the Bear-Feather River Setback Levee Project, Yuba County, California*. November. Jones & Stokes, Sacramento, California. Prepared for Three Rivers Levee Improvement Authority, Marysville, California.

Jones & Stokes Associates

1996 *Archaeological Inventory and Determination of Effect for the Union Pacific Railroad Bridges 191.0 and 191.4 Replcamanet Project, Butte County, California*. July 3. Jones & Stokes Associates, Inc., Sacramento, California. JSA 96-154. Prepared for HDR Engineering, Inc., Omaha, Nebraska.

JRP Historical Consulting Services

1994a Historic Resource Evaluation Report, Reclamation Facilities, RD 1001 and RD 784. Appendix 3 in *Historic Properties Survey Report for the Marysville to Oroville Freeway Project, Yuba and Butte Counties, California*, by Stephen R. Wee, Stephen D. Mikesell, and Rand F. Herbert. November. JRP Historical Consulting Services, Davis, California. Prepared for Caltrans, District 3, Marysville, California. On file, North Central Information Center, California State University, Sacramento.

1994b Histroic Resource Evaluation Report, Northern Electric (Sacramento Northern) Railroad. Appendix 4 in *Historic Properties Survey Report for the Marysville to Oroville Freeway Project, Yuba and Butte Counties, California*, by Stephen R. Wee, Stephen D. Mikesell, and Rand F. Herbert. November. JRP Historical Consulting Services, Davis, California. Prepared for Caltrans, District 3, Marysville, California. On file, North Central Information Center, California State University, Sacramento.

Kraft, Jarith, and Gregory G. White
2002 *Historic Resource Evaluation Report: Archaeological Assessment of Selected Levees Located in Yuba County, California*. June 25. Department of Anthropology, Archaeological Research Program, California State University, Chico. Prepared for California Department of Transportation, District 3, Marysville. On file, North Central Information Center, California State University, Sacramento.

Lindström, Susan G.
1986 *An Archaeological Reconnaissance at Honcut, California, MCI Telecommunications, Chico, California Terminal Spur (#03538), Butte County, California*. On file, Northeast Center, California State University, Chico (Study 796).

Manning, James P.
1980 Letter Report regarding the Archaeological Reconnaissance of Four Properties: Charles Saide, Larry Stack, George Robison, and Karoly Kasza. On file, Northeast Center, California State University, Chico (Study B-L-148).
1981 Letter Report regarding the Archaeological Reconnaissance of Two Properties: Stanton Clark and James Lee. On file, Northeast Center, California State University, Chico (Study B-L-180).
1985 Letter Report regarding an Archaeological Survey for the Ophir Road Extension, Butte County, California. On file, Northeast Center, California State University, Chico (Study B-L-292).

Mikesell, Stephen D.
1995 *Addendum Historic Architectural Survey Report, Route Adoption Study, Route 70 in Sutter and Yuba Counties*. June. 2 vols. JRP Historical Consulting Services, Davis, California. Prepared for Caltrans, District 3, Marysville, California. On file, North Central Information Center, California State University, Sacramento.

Nelson, Wendy J., Maureen Carpenter, and Kimberly L. Holanda
2000 *Cultural Resources Survey for the Level (3) Communications Long Haul Fiber Optics Project, Segment WP04: Sacramento to Redding*. June 30. Far Western Anthropological Research Group, Inc., Davis, California. Prepared for Parsons Brinckerhoff Network Services, Pleasanton, California. Project Number 27101. On file, North Central Information Center, California State University, Sacramento (Study 3853).

Offermann, Janis K.
1992 *Negative Archaeological Survey Report for an Extension of State Route 65*. August 4. Calfironia Department of Tranportation. On file, North Central Information Center, California State University, Sacramento.

Peak & Associates

2004 *Cultural Resources Assessment of the Draper Ranch North Project Area Near Olivehurst, Yuba County, California*. January 17. Peak & Associates, Inc., El Dorado Hills, California. Job #03-165. Prepared for Meritage Homes, Roseville, California. On file, North Central Information Center, California State University, Sacramento.

2005 *Determination of Eligibility and Effect for the Montrose @ Edgewater Project Area, Yuba County, California*. February 21. Peak & Associates, Inc., El Dorado Hills, California. Job #05-017. Prepared for Woodside Homes of CA, Inc., Folsom, California. On file, North Central Information Center, California State University, Sacramento.

Rosenau, Andrew J.

2005 Section 106 Consultation Letter to Milford Wayne Donaldson, Feather-Bear-WPIC Levee Setback Project. August 11. U.S. Army Corps of Engineers, Sacramento District, Sacramento, California. Submitted to Office of Historic Preservation, Sacramento, California.

Selverston, Mark D., Margaret J. Markwyn, Mark Walker, Michael G. Delacorte, and Mark Basgall

2005 *Archaeological and Historical Resources Inventory Report, Oroville Facilities Relicensing, FERC Project No. 2100*. June. Anthropological Studies Center, Sonoma State University, Rohnert Park, California, and Archaeological Research Center, California State University, Sacramento. Prepared for California Department of Water Resources, Division of Environmental Services, Sacramento. On file, Northeast Center, California State University, Chico.

We have the prehistoric and historic contexts.

Shapiro, William

1997 *An Archaeological Survey for the Foothill Partners Barrow Site in Yuba County, California: Part of the Cultural Resources Inventory and Evaluation for U.S. Army Corps of Engineers, Sacramento District, PL 84-99 Levee Rehabiliation on the Feather, Bear, Sacramento and San Joaquin Rivers System*. April 19. Pacific Legacy, Inc., Woodland, California. Prepared for U.S. Army Corps of Engineers, Sacramento District, Sacramento, California. DACW05-97-P-0465. On file, North Central Information Center, California State University, Sacramento (Study 940).

Shapiro, William, and Keith Syda

1997 *Addendum Report for an Archaeological Assessment within Reclamation District 1500, Sutter County, California: Part of the Cultural Resources Inventory and Evaluation for U.S. Army Corps of Engineers, Sacramento District, PL-84-99 Levee Rehabilitation on the Feather, Bear, Sacramento, and San Joaquin Rivers System, COE Water Basin System Designation SAC 03DACW05-97-P-0465*. Pacific Legacy, Inc., Woodland, California. Prepared for U.S. Army Corps of Engineers, Sacramento District, Sacramento, California. On file, Northeast Center, California State University, Chico (Study 3134).

Sprengeler, Kari
2005 *Pacific Gas and Electric Company, Archaeological Assessment of the Palermo Substation Expansion, Palermo, California*. June. Albion Environmental, Inc., Santa Cruz, California. Prepared for Pacific Gas and Electric Company, San Francisco. On file, Northeast Center, California State University, Chico (Study 6334).

Stoll, M., and S. Thompson
1961 *Report on the Archeological Survey of the Bear River*. Submitted to W. Beeson, Department of Anthropology, Sacramento State College, Sacramento, California. On file, North Central Information Center, California State University, Sacramento (Study YU511).

Storm, Donald J.
n.d. Cultural Resources Statement, East Linda Drainage Project. On file, North Central Information Center, California State University, Sacramento (Study 2497).
1981 *Cultural Resource Investigation of the Jack Slough Bridge Location, Yuba County, California*. March 10. Prepared for Yuba County Public Works Department, Marysville, California. On file, North Central Information Center, California State University, Sacramento.

U.S. Geological Survey
1910a Nicolaus, California, Quadrangle. August. 7.5-minute Topographic Series. On file, North Central Information Center, California State University, Sacramento.
1910b Sheridan, California, Quadrangle. August. Surveyed in 1908. 7.5-minute Topographic Series. On file, North Central Information Center, California State University, Sacramento.
1911 Ostrom, California, Quadrangle. 7.5-minute Topographic Series. On file, North Central Information Center, California State University, Sacramento.
1912 Honcut, California, Quadrangle. January. 7.5-minute Topographic Series. On file, North Central Information Center, California State University, Sacramento.
1934 Yuba City, California, Quadrangle. Reprint of July 1911 ed. Surveyed in 1909. 7.5-minute Topographic Series. On file, North Central Information Center, California State University, Sacramento.

Wee, Stephen R., Stephen D. Mikesell, and Rand F. Herbert
1994 *Historic Architectural Survey Report, Highway 70 Route Adoption Study*. November. JRP Historical Consulting Services, Davis, California. Prepared for Caltrans, District 3, Marysville, California. On file, North Central Information Center, California State University, Sacramento.

Williams, Scott A.

2002a *Negative Archaeological Survey Report for Vegetation Removal, Purchase of a Permanent Easement, and Sound Wall Construction at McGowan Parkway Overcrossing, State Route 70, Yuba County, California*. January 23. California Department of Transportation. On file, North Central Information Center, California State University, Sacramento.

2002b *Addendum to Negative Archaeological Survey Report for Vegetation Removal, Purchase of a Permanent Easement, and Sound Wall Construction at McGowan Parkway Overcrossing, State Route 70, Yuba County, California: Construction of a Second Sound Wall*. September 25. California Department of Transportation. On file, North Central Information Center, California State University, Sacramento.

2002c *Positive Archaeological Survey Report for the Marysville to Oroville Freeway, Yuba and Butte Counties*. California Department of Transportation. On file, Northeast Information Center, California State University, Chico (Study 5960).

Williams, Scott A., and Andrew Hope

2001 *Historic Properties Survey Report for the Marysville to Oroville Freeway Project, Yuba and Butte Counties, California*. August. Vol. 1. California Department of Transportation, District 3, Marysville, and Headquarters, Sacramento. On file, North Central Information Center, California State University, Sacramento.

Yuba County

1979 Historical Property Survey Report for the Proposed Replacement of the Honcut Creek Bridge on Ramirez Road, Yuba County, California. December. Yuba County Department of Public Works. On file, North Central Information Center, California State University, Sacramento.

# TRANSMISSION MAGNETIC BASIC FIELD MANAGEMENT PLAN
# PALERMO – RIO OSO 115 kV LINE RECONSTRUCTION PROJECT

## I. General Description of Project

Project Lead: Project Manager, Electric Transmission Maintenance and Construction

Transmission Lines: PALERMO-BOGUE -115 kV
PALERMO-NICOLAUS -115 kV
RIO OSO-NICOLAUS -115 kV
BOGUE-RIO OSO -115 kV

Distribution line Underbuild: None.

Scope of Work:

The current scope of work is to re-construct sections of the existing double circuit tower line and re-conductor with 1,113 kcmil all aluminum conductor. This re-construction work would include a 40-mile section between Palermo and East Nicolaus substations. The re-conductor work would also include a 30-mile section between Palermo and Bogue Junction for a total of 70 circuit miles. Completing the proposed project would add transmission capacity and improve reliability on the Palermo – Rio Oso 115 kV corridor.

## II. BACKGROUND: CPUC DECISION 93-11-013 AND EMF POLICY

On January 15, 1991, the CPUC initiated an investigation to consider its role in mitigating the health effects, if any, of electric and magnetic fields from utility facilities and power lines. A working group of interested parties, called the California EMF Consensus Group, was created by the CPUC to advise it on this issue. It consisted of 17 stakeholders representing citizens groups, consumer groups, environmental groups, state agencies, unions, and utilities. The Consensus Group's fact-finding process was open to the public, and its report incorporated concerns expressed by the public. Its recommendations were filed with the Commission in March 1992.

In August 2004 the CPUC began a proceeding known as a "rulemaking" (R.04-08-020) to explore whether changes should be made to existing CPUC policies and rules concerning EMF from electric transmission lines and other utility facilities.

Through a series of hearings and conferences, the Commission evaluated the results of its existing EMF mitigation policies and addressed possible improvements in implementation of these policies. The CPUC also explored whether new policies are warranted in light of recent scientific findings on the possible health effects of EMF exposure.

The CPUC completed the EMF rulemaking in January 2006 and presented these conclusions in Decision D.06-01-042:

- The CPUC affirmed its existing policy of requiring no-cost and low-cost mitigation measures to reduce EMF levels from new utility transmission lines and substation projects.

- The CPUC adopted rules and policies to improve utility design guidelines for reducing EMF, and provides for a utility workshop to implement these policies and standardize design guidelines.

- Despite numerous studies, including one ordered by the Commission and conducted by the California Department of Health Services, the CPUC stated "we are unable to determine whether there is a significant scientifically verifiable relationship between EMF exposure and negative health consequences."

- The CPUC said it will "remain vigilant" regarding new scientific studies on EMF, and if these studies indicate negative EMF health impacts, the Commission will reconsider its EMF policies and open a new rulemaking if necessary.

In response to a situation of scientific uncertainty and public concern, the decision specifically requires PG&E to consider "no-cost" and "low-cost" measures, where feasible, to reduce exposure from new or upgraded utility facilities. It directs that no-cost mitigation measures be undertaken, and that low-cost options, when they meet certain guidelines for field reduction and cost, be adopted through the project certification process. PG&E was directed to develop, submit

and follow EMF guidelines to implement the CPUC decision. Four percent of total project budgeted cost is the benchmark in implementing EMF mitigation, and mitigation measures should achieve incremental magnetic field reductions of at least 15%.

## III. ELECTRIC AND MAGNETIC FIELDS (EMF)

EMF is a term used to describe electric and magnetic fields that are created by electric voltage (electric field) and electric current (magnetic field). Power frequency EMF is a natural consequence of electrical circuits, and can be either directly measured using the appropriate measuring instruments or calculated using appropriate information.

Electric fields are present whenever voltage exists on a wire, and are not dependent on current. The magnitude of the electric field is primarily a function of the configuration and operating voltage of the line and decreases with the distance from the source (line). The electric field can be shielded (i.e., the strength can be reduced) by any conducting surface, such as trees, fences, walls, buildings, and most types of structures. The strength of an electric field is measured in volts per meter (V/m) or kilovolts per meter (kV/m).

Magnetic fields are present whenever current flows in a conductor, and are not dependent on the voltage of the conductor. The strength of these fields also decreases with distance from the source. However, unlike electric fields, most common materials have little shielding effect on magnetic fields.

The magnetic field strength is a function of both the current on the conductor and the design of the system. Magnetic fields are measured in units called Gauss. However, for the low levels normally encountered near electric utility facilities, the field strength is expressed in a much smaller unit, the milliGauss (mG), which is one thousandth of a Gauss.

Power frequency EMF are present wherever electricity is used. This includes not only utility transmission lines, distribution lines, and substations, but also the building wiring in homes, offices, and schools, and in the appliances and machinery used in these locations. Magnetic field intensities from these sources can range from below 1 mG to above 1,000 mG (1 Gauss).

Magnetic field strengths diminish with distance. Fields from compact sources (i.e., those containing coils such as small appliances and transformers) drop off with distance "r" from the source by a factor of $1/r^3$. For three-phase power lines with balanced currents, the magnetic field strength drops off at a rate of $1/r^2$. Fields from unbalanced currents, which flow in paths such as neutral or ground conductors, fall off inversely proportional to the distance from the source, 1/r. Conductor spacing and configuration also affect the rate at which the magnetic field strength decreases, as well as the presence of other sources of electricity. The magnetic field levels of PG&E's power lines will vary with customer demand.

Magnetic field strengths for typical transmission power line loads at the edge of rights-of-way are approximately 10 to 90 mG.

**TRANSMISSION MAGNETIC BASIC FIELD MANAGEMENT PLAN**
**PALERMO – RIO OSO 115 kV LINE RECONSTRUCTION PROJECT**

## IV. No Cost and Low Cost Magnetic Field Mitigation

**Optimally Phase Circuits:**
The phases of the power lines involved will be arranged for minimum magnetic field level at the edge of the right of way.

## V. General Description of Surrounding Land Uses

**Schools or Daycare:** None.
**Residential:** Fifty towers.
**Commercial/Industrial:** None.
**Recreational:** Thirty-eight towers.
**Agricultural, Rural, and Undeveloped Land:** Two hundred thirty towers.

## Priority Areas where Low Cost Measures are to be Applied

The fifty towers in the residential land use area are considered of magnetic field reduction.

## VI. Conclusion - Field Reduction Options Selected

The phases of the power lines involved will be arranged for minimum magnetic field level at the edge of the right of way.

There are no feasible low cost field reduction measures that can be implemented on this project.

California ISO
Your Link to Power

California Independent
System Operator Corporation

# Memorandum

To: ISO Board of Governors

From: Gary DeShazo, Director – Regional Transmission - North

Date: May 13, 2008

**Re: Decision on Palermo-Rio Oso 115 kV Line Re-construction Project**

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***This memorandum requires Board action.***

## EXECUTIVE SUMMARY

ISO Management requests ISO Governing Board approval of the Palermo-Rio Oso 115 kV Line Reconstruction Project ("Project") on the ground that it is necessary to maintain system reliability in accordance with federally mandated reliability standards adopted by the Federal Energy Regulatory Commission ("FERC"). The Project must be in-service by June 2010 to mitigate the identified system reliability concern. The Project has an estimated cost of $55 million and therefore must be approved by the ISO Governing Board.

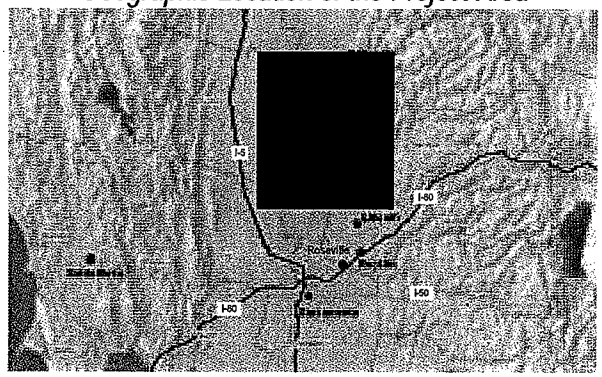
Each year Planning and Infrastructure Development prepares an annual ten-year planning assessment to guide the enhancement and expansion of transmission facilities to ensure the ISO Controlled Grid can satisfy the needs of a competitive bulk power market in a reliable, economically efficient, and environmentally acceptable manner. As a result of this process, ISO Management identified the Project as needed to increase electric transmission capacity in the Yuba-Sutter geographic area.

In addition to the proposed Project, six alternatives (includes a "status quo" or "do nothing" alternative) were assessed by the ISO. The proposed Project constitutes the lowest cost alternative that also provides a long-term solution for the Yuba-Sutter area. This Project has undergone stakeholder review through the CAISO Planning Process and has been approved by the ISO Executive Leadership Team for consideration by the ISO Governing Board.

The geographic location of the project area is shown in Figure 1.


CAISO
151 Blue Ravine Road
Folsom, California 95630
(916) 351-4400

Figure 1
*Geographic Location of the Project Area*




## MOTION

***Moved, that the ISO Board of Governors finds that the Palermo-Rio Oso 115 kV Reconstruction Project, as described in the Board Memorandum dated May 13, 2008, is a necessary and cost effective addition to the CAISO Controlled Grid; and***

***Moved, that the ISO Board of Governors directs PG&E to continue with the design, licensing, and construction of this project.***

## BACKGROUND

This Project has been identified as a cost effective transmission solution to addressing an anticipated Reliability Criteria violation and therefore is needed by June 2010 to reliably serve customers in the Honcut, eastern part of Marysville, Olivehurst, southern part of Yuba City and East Nicolaus areas of Pacific Gas and Electric Company's (PG&E) service territory. The reconstruction work would include a 40-mile section of the existing double circuit tower line between Palermo and East Nicolaus substations. The re-conductor work, with minimum 1,113 kcmil all aluminum conductor, will include an additional 30-mile section between Palermo and Bogue Junction for a total of 70 circuit miles. A scope diagram for the proposed Project is shown in Figure 2.

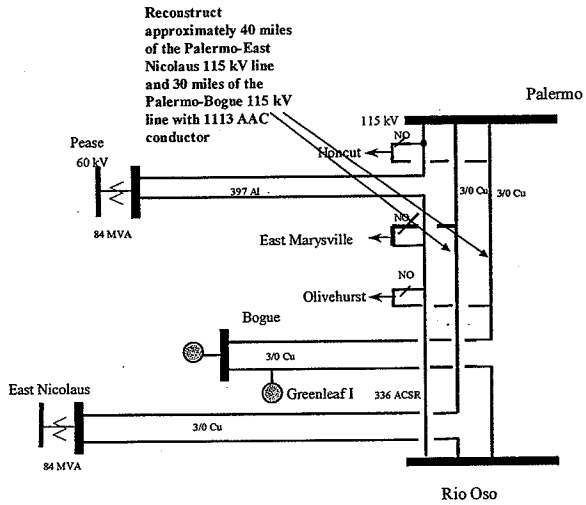



**Figure 2: Scope diagram for the Palermo-Rio Oso 115 kV Line Re-construction Project**

There are currently three Palermo - Rio Oso 115 kV lines located in Yuba and Sutter Counties. One line is constructed on a single circuit tower configuration and the other two lines are constructed on a double circuit tower configuration. They range in length from 46 to 57 miles. These lines provide power to the Honcut, Pease, East Marysville, Olivehurst, Bogue and East Nicolaus distribution substations. The 2006 peak electric demand in the area was recorded at approximately 374 MW and is projected to increase at a rate of 11.3 MW per year or 2.8 % per year.

In addition to providing the system's transfer capability to area electric customers, the Palermo-Rio Oso 115 kV lines also serve as an important transmission path for power generated by nearby hydroelectric generating facilities as well as a parallel path to power imported over the California-Oregon Intertie ("COI"). There are several hydroelectric powerhouses in the area, particularly along Feather River between Lake Almanor and Lake Oroville. Most of them are interconnected to the 230 kV systems of the Table Mountain and Rio Oso substations, and to the 115 kV system of the Palermo Substation. Power from these hydroelectric powerhouses, together with parallel flows from COI via Table Mountain Substation, significantly increases the flows on the Palermo-Rio Oso 115 kV lines, contributing to the need for the Project as discussed below.

During high hydroelectric generation periods and north to south COI import power conditions, power flow studies have shown that sections of the Palermo - Rio Oso 115 kV lines would exceed their emergency rating by up to 19% during emergency operating conditions at summer peak loads. An emergency rating, which generally should not be exceeded, is a higher rating on a transmission line to allow greater than normal power flow for a short time to address contingency circumstances. Accordingly, the Project is needed to protect the physical condition of the line and prevent interrupting firm load during the emergency operating conditions in violation of reliability standards. The Project accomplishes this goal by providing additional power transfer capability into the load area to reliably serve electric customers in the area. The Project also transports additional bulk power to PG&E load centers in the Sacramento area.

## OTHER ALTERNATIVES CONSIDERED

In addition to the proposed Project, six other alternatives were evaluated to assess their ability to meet compliance requirements of the Reliability Criteria over a long-term period of time. Alternatives assessed were:

*Alternative 1: Status Quo* – This alternative will result in reduced reliability

*Alternative 2: Convert Table Mountain-Pease 60 kV to 115 kV and construct Pease-Marysville Jct. 115 kV line*

*Alternative 3: Rebuild 230 kV Network*

*Alternative 4: Construct a new Palermo-Rio Oso 230 kV line*

*Alternative 5: Construct a new Table Mountain-Rio Oso 230 kV line*

*Alternative 6: Construct a new Palermo-Rio Oso 115 kV line*

## CONCLUSION

The CAISO's consideration of the above six alternatives indicated that they are higher in cost and deliver smaller load serving capability for the affected areas. With the exception of Alternative 1, these alternatives also face significant uncertainties in permitting requirements and feasibility associated with any proposed route for such new lines. PG&E has determined from consultations with the California Public Utilities Commission that permitting, mitigation of environmental impacts, and need for additional rights-of-way would likely result in additional project costs and time to complete these alternative projects. For these reasons, the CAISO concluded that the Project was the preferred and least cost transmission solution to address the identified System Reliability need.

| | | |
|---|---|---|
| **Board of Governors** | 5/21-23/08 | Decision on Palermo-Rio Oso 115 kV Line Re-construction Project |

**Moved: Doll** **Second: Page**

| Board Action: **Passed** | Vote Count: **5-0-0** |
|---|---|
| Capuano | Y |
| Doll | Y |
| Gage | Y |
| Page | Y |
| Willrich | Y |

**Motion**

**Moved, that the ISO Board of Governors finds that the Palermo-Rio Oso 115 kV Re-construction Project, as described in the Board Memorandum dated May 13, 2008, is a necessary and cost effective addition to the CAISO Controlled Grid; and**

**Moved, that the ISO Board of Governors directs PG&E to continue with the design, licensing, and construction of this project.**

**Motion Number: 2008-05-G1**

CERTIFICATE OF SERVICE BY HAND DELIVERY

I, the undersigned, state that I am a citizen of the United States and am employed in the City and County of San Francisco; that I am over the age of eighteen (18) years and not a party to the within cause; and that my business address is 77 Beale Street, B30A, San Francisco, California 94105

On February 26, 2009, I served a true copy of:

**APPLICATION OF PACIFIC GAS AND ELECTRIC COMPANY FOR A PERMIT TO CONSTRUCT THE PALERMO-EAST NICOLAUS 115kV RECONSTRUCTION PROJECT**

by hand delivery, addressed to:

Jenny Au
Division of Ratepayer Advocates
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102

Monisha Gangopadhyay
Energy Division
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102

I certify and declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct.

Executed on this 26th day of February 2009 at San Francisco, California.

Donna Lee

DONNA LEE