

**MEMORANDUM OF AGREEMENT  
BETWEEN  
THE PACIFIC GAS AND ELECTRIC COMPANY  
AND  
THE U.S. ARMY CORPS OF ENGINEERS,  
SACRAMENTO DISTRICT, SAN FRANCISCO DISTRICT, AND  
LOS ANGELES DISTRICT**

**SUBJECT:** Memorandum of Agreement between the Pacific Gas and Electric Company and the U.S. Army Corps of Engineers' Sacramento, San Francisco, and Los Angeles Districts

THIS Memorandum of Agreement ("MOA") is entered into by the Pacific Gas and Electric Company (hereinafter "PG&E") and the United States Army Corps of Engineers' Sacramento District (hereinafter "SPK"), San Francisco District (hereinafter "SPN") and Los Angeles District (hereinafter "SPL") (collectively SPK, SPN, and SPL are referred to as the "Corps Districts"), collectively referred to as the "Parties."

**RECITALS**

WHEREAS, the United States Army Corps of Engineers ("Corps") has regulatory jurisdiction over certain activities occurring in waters of the United States pursuant to Section 404 of the Clean Water Act of 1972 ("CWA"), as amended, and navigable waters of the United States pursuant to Section 10 of the Rivers and Harbors Act of 1899 ("RHA"), as amended; and

WHEREAS, Section 214 of the Federal Water Resources Development Act ("WRDA") of 2000, as amended, codified at 33 U.S.C. § 2352, authorizes the Secretary of the Army, after public notice, to accept and expend funds to expedite the permit application review process; and

WHEREAS, the Secretary of the Army has delegated the responsibility of carrying out Section 214 of WRDA 2000, as amended, to the Chief of Engineers and his delegated representatives; and

WHEREAS, the Chief of Engineers, by memorandum dated September 2, 2015, has authorized the District and Division Engineers of the Corps to accept and expend funds contributed by a public utility company subject to certain limitations; and

WHEREAS, the Corps Districts have indicated they are not able, without additional resources, to expedite the evaluation of PG&E permit applications; and

WHEREAS, PG&E is a public utility and natural gas company and believes it is in its best interest to provide funds to the Corps Districts pursuant to this MOA to streamline and

expedite SPK, SPN, and SPL's review under Section 404 of the CWA and/or Section 10 of the RHA for PG&E-designated priority projects, as more fully described in this MOA; and

WHEREAS, the Corps Districts issued an initial Public Notice regarding their intent to accept and expend funds contributed by PG&E; and

WHEREAS, SPK, SPN, and SPL's District Engineers have determined that the acceptance and expenditure of funds received from PG&E is appropriate, and an informational public notice will be issued regarding their decision; and

WHEREAS, it is understood and acknowledged by all Parties that the Corps Districts' review of PG&E permit applications for PG&E-designated priority projects will be completely impartial and in accordance with all applicable Federal laws and regulations; and

WHEREAS, this MOA is intended to: (1) enable the Parties to fully consider, address, and protect environmental resources early in the development of proposed actions; (2) avoid conflicts late in project development through close coordination during early planning and development stages; (3) provide sufficient information to the Corps Districts for timely analysis of project effects and to assist PG&E in developing appropriate mitigation measures; (4) maximize the effective use of limited Corps personnel resources by focusing attention on projects that would most affect aquatic resources; (5) provide a mechanism for expediting project coordination when necessary; and (6) provide procedures for resolving disputes in this resource partnering effort.

NOW, THEREFORE, the Parties agree as follows:

## AGREEMENT

### Article I. - PURPOSE AND AUTHORITIES

A. This MOA is entered into by the Parties for the purpose of establishing a mutual framework governing the respective responsibilities of the Parties for the acceptance and expenditure of funds contributed by PG&E to provide expedited permit application evaluation-related services for PG&E-designated priority projects requiring the Corps Districts' approval pursuant to Section 404 of the CWA and Section 10 of the RHA ("Priority Projects") and other programmatic efforts to support efficient decision-making related to PG&E's CWA Section 404 and/or RHA Section 10 permitting needs. This MOA is not intended as the exclusive means of obtaining review of Priority Projects proposed by PG&E; it is a vehicle by which PG&E will obtain expedited permit application evaluation-related services, outside of the ordinary Corps Districts' standard review process. Priority Projects are defined as the list of PG&E projects identified in accordance with Article V.A.2.

B. PG&E is a publicly-traded, investor-owned utility, incorporated in the State of California and may enter into this MOA.

C. SPK, SPN, and SPL enter into this MOA pursuant to their authority under 33 U.S.C. § 2352.

## Article II. - SCOPE

A. PG&E will provide funds to SPK, SPN, and SPL to expedite the permit application evaluation-related services for Priority Projects under the jurisdiction of the Corps. The Corps Districts' Regulatory Program is funded as a congressionally appropriated line item in the annual Federal budget. PG&E will provide funds to SPK and SPN in accordance with Article VII. SPK will distribute funds received from PG&E to SPL based upon SPL's cost estimate developed pursuant to Article V.A.7. Funds received from PG&E will be separately added to SPK's, SPN's, and SPL's Regulatory budget, in accordance with 33 U.S.C. 2352.

B. SPK, SPN, and SPL will provide staffing resources exclusively dedicated to expediting permit application evaluation-related services, as described below, for Priority Projects, and/or other programmatic efforts to support efficient decision-making related to PG&E's CWA Section 404 and/or RHA Section 10 permitting needs.

C. SPK, SPN, and SPL will each establish a separate internal financial account to track receipt and expenditure of the funds associated with its review of permit applications for Priority Projects and other programmatic efforts. SPK, SPN, and SPL Regulatory personnel will charge their time and related expenses against the account when they perform work to either expedite permit application evaluation-related requests for Priority Projects or undertake other programmatic efforts to support efficient decision-making related to PG&E's permitting needs.

D. Funds contributed by PG&E hereunder will be expended by SPK, SPN, and SPL to defray the costs of salary, associated benefits, overhead, training, and travel expenses for existing or additional personnel (including Regulatory staff, support/clerical staff, and staff of other functional areas of the Corps Districts) and other costs in order to expedite the evaluation of PG&E-designated Priority Project permit applications. Activities covered by this MOA will include, but not be limited to, the following: application intake review; initiating and monitoring consultations with U.S. Fish and Wildlife Service and/or National Marine Fisheries Service under Section 7 of the Endangered Species Act (16 U.S.C. § 1536) and with the State Historic Preservation Officer (SHPO) under Section 106 of the National Historic Preservation Act (54 U.S.C. § 306108), permit database entry; drawing corrections; jurisdictional determinations; site visits; preparing and distributing public notices; preparing and conducting public hearings; preparing correspondence; performing the public interest review; preparing draft permit decision documents; meetings with PG&E and other agencies; permit compliance; mitigation monitoring; preparing reports for PG&E and audits of funds expended; technical writing; training; travel; field office set up costs including rent and utilities; vehicle lease/rental and fuel; copying; coordination activities; technical contracting (including development of documents under the National Environmental Policy Act); programmatic tool development and/or improvement; acquisition of GIS data; and any other Section 404 of the CWA and Section 10 of the RHA permit application evaluation-related responsibilities performed by SPK, SPN, and/or SPL.

E. SPK, SPN, and SPL will not expend funds provided by PG&E for costs associated with the review of the Corps Districts' work undertaken by supervisors or other persons or elements of the Corps Districts in the decision-making chain of command; however, if a supervisor is performing staff work and not supervisory review or oversight, funds may be used. Corps Districts will not expend funds provided by PG&E to defray the costs of activities related to the Corps Districts' enforcement functions, but may use funds related to permit compliance functions. Corps Districts will not expend funds provided by PG&E to continue activities for PG&E should a lapse in Federal appropriations result in a shutdown or furlough for the Corps Districts' Regulatory personnel. Additionally in accordance with U.S. Army Corps of Engineers Headquarters guidance dated September 2, 2015, funds will not be expended under this MOA for projects related to energy exploration and production activities, such as drilling, hydro fracturing, or mining.

F. SPK, SPN, and SPL may expend funds provided by PG&E to hire contractors to perform select duties, including but not limited to site visits; preparing and providing technical materials, including environmental documentation; GIS-related services; and meeting coordination for the purpose of augmenting the resources available to the Corps Districts for expediting its review of Priority Projects. If such expenditures, when combined with the costs of the Regulatory personnel specified in Article II.D., require funding in excess of the amount available under this MOA, then said contractors shall not be utilized by SPK, SPN, or SPL until and unless additional funds are provided by PG&E and the Parties execute a written amendment to this MOA.

G. If the funds provided by PG&E are expended and not replenished, any remaining Priority Projects will be processed like those of any permit applicant.

H. The Corps Districts will perform services in accordance with all applicable federal laws, rules, regulations, guidance, polices, and procedures.

### Article III. - INTERAGENCY COMMUNICATIONS

To provide for consistent and effective communication, SPK, on behalf of itself, SPN and SPL, and PG&E each will appoint a Principal Representative to serve as its central point of contact on matters relating to this MOA. SPK and PG&E each will issue a letter to the other designating the Principal Representative for each agency. Either Principal Representative may be changed upon written notification to the other party. Additional representatives may also be appointed to serve as points of contact for SPL, SPK, and SPN for specific actions or issues.

### Article IV. -NOTICES

Any notices, request, demand, or other communication required or permitted to be given under this MOA shall be deemed to have been duly given if in writing and delivered personally, or sent by email, or mailed by first-class, registered, or certified mail to the applicable Principal Representative. Any notice, request, demand, or other communication made pursuant to this Article shall be deemed to have been received by the addressee at the earlier of such time as it is actually received or seven (7) business days after it is mailed.

### ARTICLE V. - RESPONSIBILITIES OF THE PARTIES

A. PG&E will provide adequate resources to fund existing or additional Corps District Regulatory personnel for the purpose of expediting the review of Priority Projects and other programmatic efforts. To facilitate the Corps Districts' reviews, PG&E will:

1. Provide adequate information regarding Priority Projects, scheduling requirements, and other specific activities to initiate permit evaluation. Upon request, PG&E shall provide such additional information necessary to assure the Corps Districts can effectively accomplish the required review.

2. In separate consultation with SPK, SPN and SPL, as appropriate, establish the specific order of priority of the PG&E-designated Priority Projects within each Districts Area of Responsibility (AOR). An example of this priority list is listed in **Appendix A** to this MOA. The Priority Projects may be changed by PG&E's Principal Representative without requiring an amendment to this MOA by notifying SPK, SPN or SPL, as appropriate, in writing in the manner provided by Article IV and will be effective upon receipt thereof.

3. Make a reasonable effort to provide the Corps Districts with information on other projects with PG&E involvement that may affect the Corps Districts' workload and staff availability (e.g., schedules for projects with individual permits).

4. In consultation with the Corps Districts, schedule Corps Districts' involvement in the Priority Projects.

5. To the best of its ability, ensure the participation of all essential personnel, customers and decision makers during the permit evaluation process.

6. Work closely with the Corps Districts to resolve workload conflicts and adjust priorities and schedules in order to make optimal use of available staff resources. While PG&E will make every effort not to overlap Priority Project schedules, occasional overlaps may occur and PG&E's Principal Representative will work with the point of contact for SPK, SPL, and/or SPN, as appropriate, to prioritize such overlaps.

7. Provide funding pursuant to the terms of this MOA, and work closely with the SPK, SPN and SPL Regulatory point of contact designated pursuant to Article V.B.2. to develop an estimate of the amount of work and funding for SPK, SPN, and SPL each Federal fiscal year.

B. SPK, SPN, and SPL will each use the funds provided by the PG&E to defray the costs of salaries and associated benefits, overhead, relevant training, to reimburse travel expenses, and other costs, as described in Article II.D., in order to:

1. Expedite review of Priority Projects in accordance with the purpose, terms, and conditions of this MOA, or any amendments thereto. The Corps Districts shall not redirect resources from, or otherwise postpone, permit applications related to non-Priority Projects submitted by PG&E through the standard Corps review process. SPK, SPN and SPL shall meet the performance metrics provided in **Appendix B**.

2. Designate a Regulatory Project Manager to be the point of contact (POC) for applications reviewed by SPK, SPN, or SPL, and who will make his or her best efforts to attend quarterly meetings with PG&E, together with other agencies, as appropriate.

3. Provide PG&E a monthly report due by the 7<sup>th</sup> day of the following month detailing expenditure of monies provided by PG&E under this MOA for each Priority Project or task for the month. An example monthly report has been provided in **Appendix C**. The monthly report will include the project name, the PG&E contact, SPK's, SPN's or SPL's application identification number, the name of SPK's, SPN's or SPL's designated Regulatory POC working on the Priority Project, the number of hours spent on the task, the type of task, and a brief description of the work. SPK's, SPN's and SPL's Regulatory POC would report directly to PG&E via email only at the email address provided in Article VII.F.

4. Provide PG&E a monthly performance metrics tracking report due by the 7<sup>th</sup> day of the following month. An example monthly tracking report has been provided in **Appendix D**. SPK's, SPN's and SPL's Regulatory POC would report directly to PG&E via email only at the email address provided in VII.F.

5. Consult with PG&E regarding an adjustment of priorities or establishment of relative priorities if the current or projected workload of Priority Projects and activities and other programmatic efforts exceeds the Corps' Districts' ability to provide the services specified herein.

6. Prior to expiration of the MOA, hold a meeting with PG&E to review a summary of permit streamlining and other activities under this MOA, as well as provide recommendations for future coordination between the Parties, including MOA renewal, as appropriate.

#### Article VI. - PERFORMANCE METRICS

The Parties have agreed to set performance metrics for the purpose of evaluating activities under this MOA. The performance metrics are included in **Appendix B** to this MOA. PG&E will track performance metrics on a form that will be reviewed at quarterly meetings as per Article V. B. 2.

#### Article VII. - FUNDING

A. Unless amended, the maximum payable under this MOA will not exceed \$4,000,000.

B. Within 30 days of the effective date of this MOA, PG&E shall pay make an initial payment of \$100,000 to SPK and \$100,000 to SPN. After initial payment is rendered, SPK and SPN will each provide PG&E with an anticipated cost invoice ("Invoice") that provides a budget estimate of costs anticipated to be incurred by the Corps Districts for each subsequent 6-month period. SPK and SPN will each submit an Invoice to PG&E, in April and October of each year, including any proposed changes in the level of staffing. Unless incomplete or disputed, upon receipt of each Invoice, PG&E agrees to compensate by making a lump sum payment to SPK and SPN in accordance with the total amount specified in each Invoice within ten business days.

Incomplete or disputed Invoices will be returned to SPK or SPN for correction prior to PG&E making an advance payment.

1. Payments by PG&E to SPK are to be made by check, payable to the Finance and Accounting Officer USAED Sacramento (See address below), or Electronic Funds Transfer in accordance with Standard Operating Procedure UFC 08.

U.S. Army Corps of Engineers, Sacramento District  
Finance and Accounting Officer USAED Sacramento  
1325 J Street, Room 980  
Sacramento, CA 95814  
Attention: James Barth

2. Payments by PG&E to SPN are to be made by check, payable to the Finance and Accounting Officer USAED San Francisco (See address below), or Electronic Funds Transfer in accordance with Standard Operating Procedure UFC 08.

U.S. Army Corps of Engineers, San Francisco District  
Finance & Accounting Officer USAED San Francisco  
1455 Market Street, 16th Floor Rm# 1649  
San Francisco, CA 94103  
Attention: Magie Ednalino

C. If SPK, SPN, and SPL's actual costs for providing the agreed upon level of service will at any time during the term of this MOA exceed the total amount of funds available under Article VII.A, SPK's Principle Representative will notify PG&E's Principal Representative at least ninety (90) days prior to fund exhaustion of the incremental amount of funds needed to defray the remaining anticipated costs. PG&E will either initiate an amendment to this MOA to increase the funding amount, or agree to a reduced level of service.

D. The Corps Districts will carry-over any unobligated funds from year to year, which will be credited to the PG&E's October payment, or will refund such unobligated funds if this MOA is terminated or expires in accordance with Article XI.

E. The Corps Districts' will neither accept nor expend funds under this MOA after June 10, 2024, unless Federal law extends the Corps' authority under 33 U.S.C. § 2352 to accept and expend funds contributed by public-utility and natural gas companies to expedite the processing of permits.

F. All Invoices with attached budget estimates and any final statement of expenditures shall be submitted to PG&E via email and hard copy at the addresses listed below.

Pacific Gas and Electric Company  
77 Beale Street, Mail Code B28P  
San Francisco, CA 94105

ATTN: Nance Donati  
Environmental Policy Manager – Resource Agencies  
[nad6@pge.com](mailto:nad6@pge.com)

#### Article VIII. - APPLICABLE LAWS

All applicable statutes, regulations, policies, directives, and procedures of the United States will govern this MOA and all documents and actions pursuant to it. Unless otherwise required by law, all expediting of permit applications undertaken by the Corps Districts will be governed by the Corps regulations, policies and procedures.

#### Article IX. - DISPUTE RESOLUTION

In the event of a dispute, the Parties agree to use their best efforts to resolve the dispute in an informal fashion through consultation and communication, or other forms of non-binding alternative dispute resolution mutually acceptable to the Parties. If the disagreement does not resolve at the staff level, the matter will be referred to SPK's, SPN's, or SPL's, as appropriate, Regulatory Branch Chief and PG&E's Manager of Environmental Policy for Regulatory Outreach. If the disagreement is still unresolved, the matter will rise to the applicable Corps Regulatory Division Chief and PG&E's Manager of Environmental Policy for Regulatory Outreach, followed by the applicable Corps District Commander and PG&E's Director of Environmental Policy. The Parties agree that, in the event such measures fail to resolve the dispute, they shall refer the dispute for resolution to an appropriate forum in accordance with Federal law.

#### Article X. - PUBLIC INFORMATION

The Corps Districts will not be responsible for justifying or explaining PG&E programs or projects before other agencies, departments, and offices. The Corps Districts may provide, upon request from PG&E, any assistance necessary to support justification or explanations of activities conducted under this MOA. In general, the Corps Districts are responsible only for public information regarding Corps Regulatory activities. PG&E will give the Corps Districts advance notice before making formal, official statements regarding activities funded under this MOA.

#### Article XI. - AMENDMENT, MODIFICATION AND TERMINATION

- A. This MOA may be modified or amended only by written, mutual agreement of the Parties.
- B. Any party reserves the right to terminate this MOA without cause upon thirty (30) day's written notice to other parties. In the event of termination, PG&E will continue to be responsible for all costs incurred by the Corps Districts under this MOA prior to the effective date of such termination and for the costs of closing out any ongoing contracts in support of the provision of services by the Corps Districts under this MOA.

C. Within ninety days (90) days of termination or expiration of the MOA, the Corps Districts shall provide PG&E with a final statement of expenditures. Within sixty (60) calendar days of submittal of the Corps Districts' final statement of expenditures, the Corps Districts, subject to compliance with the Anti-Deficiency Act (31 U.S.C. §§ 1341, et seq), shall directly remit to PG&E the unexpended balance of the advance payments, if any. Funds may be provided to PG&E either by check or by Electronic Funds Transfer. In the event PG&E and at least one Corps District elect not to terminate this MOA, the requirement to provide a final statement of expenditures and payment of any unexpended balance of advance payments, shall only apply to the District(s) requesting termination under Article XI.B.

#### Article XII. - MISCELLANEOUS

A. This MOA will not affect any pre-existing or independent relationships or obligations between the Parties.

B. If any provision of this MOA is determined to be invalid or unenforceable, the remaining provisions will remain in force and unaffected to the fullest extent permitted by law and regulation.

C. Under the provisions of 33 U.S.C. § 2352, no funds may be accepted or expended by the Corps Districts pursuant to this MOA after June 10, 2024. However, if prior to this date, this statutory authority is extended or made permanent, then provisions of this MOA shall remain in force until the statutory termination date or until the expiration date as provided in this MOA, whichever occurs first.

D. The Corps Districts' participation in this MOA does not imply endorsement of PG&E or the Priority Projects nor does it diminish, modify, or otherwise affect the Corps Districts' statutory or regulatory authorities.

E. This MOA, including any documents incorporated by reference or attachments thereto, but excluding the pre-existing relationships or obligations between the Parties referenced in subparagraph A above, constitute the entire agreement between the Parties. All prior or contemporaneous agreements, understandings, representations and statements, oral or written, are merged herein and shall be of no further force or effect.

#### Article XIII. - EFFECTIVE DATE AND DURATION

This MOA and any amendments will become effective on the date of execution by the last party. Unless amended or modified, this MOA shall remain in force until whichever of these events occurs first: 1) June 10, 2024, subject to the provisions of Article XII.C. above or 2) the MOA is terminated by all Parties pursuant to Article XI.B.

[SIGNATURES FOLLOW ON NEXT PAGE]

IN WITNESS WHEREOF, this MOA is executed by the Pacific Gas and Electric Company, acting by and through its authorized officer, and by the U.S. Army Corps of Engineers' Los Angeles District, San Francisco District, and Sacramento District, through their authorized officers.

PACIFIC GAS AND ELECTRIC COMPANY

By: 

Andy Williams  
Vice President  
Land and Environmental Management

Date: 

U.S. ARMY CORPS OF ENGINEERS, LOS ANGELES DISTRICT

By: 

Date: 15 Jun 17

Kirk E. Gibbs  
Colonel, US Army  
Commander and District Engineer

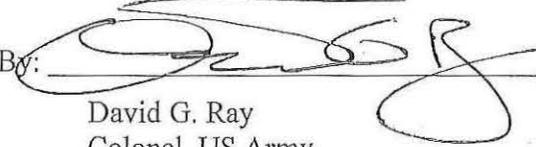
**U.S. ARMY CORPS OF ENGINEERS, SAN FRANCISCO DISTRICT**

By: John C. Morrow

John C. Morrow  
Lieutenant Colonel, US Army  
Commander and District Engineer

Date: 29 June 2017

U.S. ARMY CORPS OF ENGINEERS, SACRAMENTO DISTRICT

By:  Date: 16 MAY 17

David G. Ray  
Colonel, US Army  
Commander and District Engineer

Appendix A

USFWS / USACE / RWQCBs / SWRCB  
 PGE Active Projects  
 Sacramento Q4 2016  
 November 15, 2016

Project Name	PG&E Planner	Utility Orig	County/Countries where project is located	Brief description of work	Priority for Agencies	USFWS Division Office	USFWS Biologist	USACE Project ID	USACE District Office	USACE Project Manager	Date application filed	Date permit expected or issued	RWQCB/ SWRCB	Project Manager	Date application filed	Date Permits Expected	Release to Construct	Comments
Liberty Island	Ryan Brown	Elec Trans	Solano	removal of 2 tower foundations and 1 terrestrial tower in wetlands		Sac (Ray Della)	Armin Halston	08FBDT00-2016-F-0009	Sac	Evan G. Kraklow Carnes	10/2016	4/2016	Sacramento	Stephanie Tadlock	7/2016	7/2016		November 2016: Project work was conducted from late September to October 31. Project was not completed and permits will be amended to include work in 2017.
South of Palermo 115 kV Reinforcement	Doug Edwards	Elec Trans	Butte, Yolo, Sutter	Reconstructing and pole replacement of approximately 60 miles; construction start expected in 2017	4	Sac	TBD	TBD	Sac	Leah Fisher	TBD	Q1 2017	CVRWQCB	TBD	TBD	Q1 2017	2016	November 2016: PGE preparing low-effect HCP. Anticipated submission Nov 2016. PGE preparing wetlands delineation. Anticipated submission Dec 2016.
L407 Phase 2 (third portion of approx 49 miles of new gas transmission line)	Chris Ellis	Gas Trans	Yolo, Sacramento, Sutter, Placer	Originally submitted application for entire project (L408 and L407). Corps has issued permits for L408 and L407 Phase 2 portions of the project. Section 106 consultation, USFWS BO, RWQCB 401, CDFW SAA and ITP all issued	1	Sac Valley Div.	Jason Hanni	SPK-2016-01062	Sac	Leah Fisher	L406 7/1/2008 L407 Submittals to USACE 4/1/2016 Phase 2b: 4/1/2016 Phase 1: TBD	L407 Phase 2a: 4/1/2016	Central Valley	Elizabeth Lee	TBD	TBD	Q2 2016	August 2016: PG&E submitted the Wetland Delineation for Phase 1 in August.
Line 114/114-1/SP4Z Removal	Chris Ellis	Gas Trans	Sacramento	Pipeline removal		Sac Bay-Delta	USFWS: Brian Hansen (516-930-6644 or Brian_Hansen@usace.army.mil)	SPK-2016-00488	Sac	Jordan Krug (516-567-7634 or Jordan.K.Krug@usace.army.mil)	Q1TR 2016 (April 2016)	Q2 2016	Central Valley RWQCB	Elizabeth Lee (WDID 88807CR00169)	Q1TR 2016 (April 2016)	6/2016	2016	August 2016: Permits received, including CVFPB permit. Expect to begin construction in August. USACE asked PG&E to confirm that it is also getting a Section 408 authorization from the USACE for any alteration of USACE levees. (Action Item)
Hilms Leach Field Project	Daniel Clark	Hydro	Fresno	Replacement of existing problematic leachfield with new field to satisfy Water Board Concerns. New leach field in Yosemite Toad Habitat	1	Sac (Forest Foothills)	Dextran Watson & Stephen DeWiesler	N/A	N/A	N/A	Planned for Q3 2016	9/2016	Central Valley RWQCB	Dale Harvey	3/2016	8/2016	8/2016	October 2016: The Project has begun and will continue until either work is done or weather prohibits.
Lake Valley Road, Culvert Replacement Project	Robert Steigmeyer	Hydro	Placer	Culvert replacement where split channel crosses roadway	1	Sac		2006-00323	Sac	Kathryn Pascua	4/2016	7/2016	Sac	David Torres	Apr-16	Apr-16	Q3 2016	August 2016: Received Notice of Complete application for the Lake Valley Road Project. RWQCB has indicated that project will likely be considered cat ex for CEQA. There are no federal species issues on the project.
Pit 245 HPWP - Wood Wall Site	Scott Magriel	Hydro	Shasta	Historic Management Plan Implementation Wood Wall Site	2	Sac (Coast Bay/ Forest Foothills)	TBD		Sac	Matt Kelley	1/2016	6/2016	Redding	Guy Chelostat	1/2016	Received	deferred to 2016	October 2016: Planning to construct in October/November. Keep on project list until construction is complete. USFWS asked PG&E to confirm that there are no federal species issues on the project. (Action Item)
Relief Reach Streambank Stabilization Project	Justin T. Smith	Hydro	Tuolumne	FERC license required river restoration project		Sac	Allison Willy		Sac	Jordan Krug	Q3 2016	Q3 2017	SWRCB	Jeff Weibel	3/2016			October 2016: In October 2016, PG&E met with USACE in Sacramento at the monthly pre-application meeting. Jordan Krug provided valuable feedback. We are completing the Section 106 documentation and plan to submit the PCN by November 1.
Geothermal Inc. Landfill	Rob Saur	Remediation		Management plan permit requirements	2			1998-00431	Sac	Peck Ha Lisa Clay (attorney)	1996							October 2016: PG&E is working to have the Dead Restriction signed and recorded and the financial assurance completed in November.
Fulton-Fitch Mountain Reconstructing Project	Nate Latham	Elec Trans	Senoma	Reconstructing approximately 9 miles of the existing line. Replacing structures	4	Sac	Ryan Clah	2012-00253N	SF		late-summer 2017		NCRWQCB					August 2016: No updates
2011 Bay Waters Boardwalk Maintenance Project	Bob Donovan	Elec Trans	City of East Palo Alto, Fremont, San	Replacement of 9,000 feet of existing boardwalk	1	Sac Bay Delta	Joseph Terry (Ryan Clah to)	2011-00164S	SF	Justin Yee	3/2011	6/2016	SFBRWQCB				8/2016	August 2016: ACQE NW Permit Issued 23 August 2016.
Eagle Ridge Preserve Access Road Repair Project	Erin Rice	Elec Trans	Alameda	Road repair, culvert replacement/ extension, mitigation wetland dredging	3			2016-00221S	SF	Justin Yee	7/2016	2017 dry season	SFBRWQCB		7/2016	2017 dry season		October 2016: 401, 404, and CDFW ITP applications were filed in July 2016. Although a BA was originally filed, it is likely we will need to rely on the Bay Area HCP to move forward on this project.
Monte Vista- Coyote Crossings Improvement Project	Erin Rice	Elec Trans	Santa Clara	Culvert replacement for 7-lane access road (6 crossings)	2			Non-reporting NWP	SF				SFBRWQCB	Brian Wines	3/2016	9/2016		October 2016: We have worked through multiple rounds of comments on the Mitigation and Monitoring Plan with Brian Wines. PG&E will implement the project in 2017.
Monte Vista Substation Drain Pipe Replacement Project	Cristina Helatine	Elec Trans			4	SF		2016-00336		Justin Yee	9/2016							August 2016: USFWS Informal Section 7 consultation concurrence received 6-22-16.
CC-5 L-132 Elbow v/dgs	Sean Pollier	Gas Trans	San Mateo	Excavate 3 elbows on L-132 to assess	2	Sac(Coast Bay)	Joseph Terry	N/A	N/A	N/A			N/A	N/A			Q2 2016	October 2016: Pending BO Amendment to be issued.
San Francisco Creek flood control project (WRD)	Mallory Clay	Gas Trans	Santa Clara	Gas/Electric relocations per Joint Powers Authority (JPA) request					SF								TBD	October 2016: Project scheduled to mobilize in two phases: 2016 open trench pipe installation and 2017 microtunnel.
L407 Irvington Station South Replacement	Mallory Clay	Gas Trans	Alameda	Replace 9700' of L107 adjacent to L400 in Fremont	2	Sac (Coast Bay)	TBD	2014-00412	SF	Justin Yee							1/2016	October 2016: MOA has been finalized - pending signatures. Need to receive the NWP by the end of 2016 to maintain project schedule.

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 November 15, 2016

Project Name	PG&E Planner	Utility Org	County/Countries where project is located	Brief description of work	Priority for Agencies	USFWS Division Office	USFWS Biologist	USACE Project ID	USACE District Office	USACE Project Manager	Date application filed	Date permit expected or needed	RWQCB/SWRCB	Project Manager	Date application filed	Date Permits Expected	Release to Construct	Comments
Line 109 4A_1 (MP 24.04 - 30.11)	Kristina Gallardo	Gas Trans	San Mateo	Replace approximately 4.0 miles of 22-inch gas line. Work is required in several areas that are likely jurisdictional.	1	Sac (Coast Bay)	Lelf Goode	2013-00412	SF	Justin Yee	9/2016	12/2016	Bay Area	Katie Hart	11/2013	9/2016	Q4 2016	August 2016: Ryan re-engaged FWS about the formal ESA consultation and we're currently working on some minor updates to the BA for a couple of small changes to the work area and to make the AMMs consistent with the CEQA/NEPA documents (completed after the permit was filed). We're also working on getting a proposal together for SFGS and CRLF compensatory mitigation. We haven't heard from ACQE yet if they need anything else. The goal is to have everything completed this fall or by the end of the 2016 at the latest. This is now the top priority 404 permit for GT, although ACQE should be able to wrap up the L107 permit while we update the PD/BA information.
Gas Line 131 (ID-50-6) Investigative Dig Project	Sean Polfrier	Gas Trans	Alameda	Investigative Dig (8' x 14') needed to assess and repair pipeline anomalies.	2	SF (Bay Delta)		2016-00128	SF									October 2016: USFWS biologist assigned in October. Provided USFWS SPMH background data for the NLA. USFWS concurs with PHE determination. Revegetation plan to be submitted to USFWS within a few weeks.
Gas Line 131 Investigative Dig Project (ID-50-1)	Sean Polfrier	Gas Trans	Alameda	Investigative Dig (8' x 14') needed to assess and repair pipeline anomalies.		Sac (Coast Bay)	Lelf Goode	N/A	N/A	N/A		N/A	N/A	N/A		9/2016	6/2016	October 2016: BO Amendment (draft) was sent to PG&E in September and we concur with conditions. Awaiting receipt of the approved Amendment.
L-163 Recost Span 622								2016-002735		Justin Yee								August 2016: ACQE received application
L-191-Lowering Main (Site 8)	Cori Muatin	Gas Trans	Contra Costa	Lower multiple exposed sections of gas line in Briones Regional Park in Martinez and Lafayette. Second site on L-191 to be permitted; site 1 Nationwide received 7/30/14 (USACE # 2012-002575) from Kim Kublak		Sac (Coast Bay)	Vince Griego	2016-00132	SF	Justin Yee	3/2016	6/2016	SF Bay RWQCB	Katie Hart			6/2016	October 2016: On-site mitigation planting will occur the beginning of November, weather permitting.
Potrero Power Plant- Northeast Area Remediation	Sara Sadler	Remediation	San Francisco	Remediation of upland area. Aged bulkhead will require shoring and cofferdam	2	Sac	TBD	TBD	SF	TBD	7/2016	Q1 2017	SF RWQCB	Mark Johnson	2/2016	4/2016	Q1 2017	August 2016: PG&E has received the 401 Certification and anticipates filing the NWP preconstruction notification with the USACE in early September. The RWQCB is the CEQA lead agency. PG&E is also consulting with BDDC on permitting requirements.
Humboldt Bay Decommissioning	Kris Vardas Loren Sharp	Remediation	Humboldt	Decommissioning work on Power Plant	1	Arcata		2013-00329	SF	Carol Heldtsok	2/2016	6/2016	NCRWQCB	Brendan Thompson	1/2016	6/2016	Q2 2016	October 2016: ERTC issued in October 2016. Project under construction and compliance monitoring program being fully implemented.
Hinkley Remediation Project	Virginia Strohl	Remediation	San Bernardino	HCP for the final ground water remedy.	1	Ventura (Desert)/Palm Springs	Judy Hohman (Palm Springs)	N/A	N/A				N/A					July 2016: Submitted 2nd Administrative Draft May 15, 2016. Agreed conceptually environmental document to be EA. Scheduled to deliver HCP in 2016.

## Appendix B Performance Metrics

Objective	Measure
Upon initial receipt of an application for an individual permit or general permit, the Corps will notify PG&E (via telephone or email) within 15 calendar days if the application is Federally-complete. If the application is complete, the Corps will notify PG&E of the initial date received stamped on the application.	The Corps shall provide such notification within the stated time frame at least 90% of the time.
The Corps will request in writing (via email or letter) specific additional information needed to complete an individual permit or general permit application within thirty (30) calendar days of initial receipt. Once sufficient information is received, the Corps will notify PG&E (via telephone or email) within fifteen (15) calendar days of the date received stamped on the last piece of information needed to complete the application.	The Corps shall provide such notification within the stated time frame at least 90% of the time.
Individual permits, including standard individual permits and Letters of Permission will be processed within sixty (60) calendar days of receiving a Federally-complete application, with the exception of those that require longer periods of time per Corps regulations at 33 CFR section 325.2(d)(3).	The Corps shall meet the stated objective at least 50% of the time.
General permits, including nationwide permits and regional general permits, will be processed within forty-five (45) calendar days of receiving a Federally-complete application. *	The Corps shall meet the stated objective at least 80% of the time.
Jurisdictional Determinations (JDs), including Approved JDs, will be processed within sixty (60) calendar days of receiving a complete jurisdictional determination request.	The Corps shall meet the stated objective at least 90% of the time.
Endangered Species Act Section 7 consultation initiation request letters and Section 106 consultation initiation request letters will be sent within fifteen (15) days of receiving adequate information from PG&E to make a determination of effect and initiate consultation.	The Corps shall meet the stated objective at least 90% of the time.

\* Projects requiring Section 7 and Section 106 consultation will exclude those calendar days during which the project is under consultation with another agency, i.e. time from when the consultation letter is sent until consultation response is received.

Appendix C

USACE <Sacramento or San Francisco>  
MONTHLY REPORT FOR <Month> 2017

USACE ID #	PG&E Line of Business	Project Name	County	PG&E Contact	USACE Contact Name	Recvd Date	Task Type	Hours	Billing Rate/Hr	Total Project Cost	Administrative Cost Share	Task Total	Task Summary	Issues
EXAMPLE														
2014-00412	Gas Transmission	L107 Irvington Station South Replacement	Alameda	Ryan Jolly	Justin Yee	3/12/2014	Nationwide 404: consultation letter for Section 7	10	\$ 125.00	\$ 1,250.00	\$ 504.03	\$ 1,754.03		
TBD	Elec Transmission	South of Palermo 115kV Reinforcement	Butte, Yolo, Sutter	Doug Edwards	Leah Fisher	expected Q1 2017	pre-consultation	3	\$ 125.00	\$ 375.00	\$ 151.21	\$ 526.21		
								6	\$ 125.00	\$ 750.00	\$ 302.42	\$ 1,052.42		
								12	\$ 125.00	\$ 1,500.00	\$ 604.84	\$ 2,104.84		
								20	\$ 125.00	\$ 2,500.00	\$ 1,008.06	\$ 3,508.06		
								14	\$ 125.00	\$ 1,750.00	\$ 705.65	\$ 2,455.65		
								17	\$ 125.00	\$ 2,125.00	\$ 856.85	\$ 2,981.85		
								18	\$ 125.00	\$ 2,250.00	\$ 907.26	\$ 3,157.26		
								4	\$ 125.00	\$ 500.00	\$ 201.61	\$ 701.61		
								20	\$ 125.00	\$ 2,500.00	\$ 1,008.06	\$ 3,508.06		
							Total Project Hrs	124.00		\$ 15,500.00				
PG&E Admin		Report, Metrics, Quarterly Meeting					Administration	14	\$ 125.00	\$ 1,750.00				
PG&E Other		Correspondence, Coordination not tied to individual project					Administration	20	\$ 125.00	\$ 2,500.00				
USACE Admin		Time Off, Holidays, Training, Other					Administration	16	\$ 125.00	\$ 2,000.00				
							Total Admin Hrs	50		\$ 6,250.00	\$ 6,250.00			
TOTAL:								Total Hours	174	\$ 21,750.00	\$ 21,750.00			

## Appendix D Tracking Report

METRICS for <name of Regulatory District>  
EXAMPLE

Project / Task Name	Type	Date Recvd	Date Section 7 consultation letter sent to USFWS/NMFS	Date Section 106 consultation letter sent to OHP	Date draft document sent to PG&E	Date Final Document or Permit Sent to PG&E or Lead Agency	No. Calendar Days Total	Comments
Project 1	404 permit							
Project 2	jurisdictional determination							
Project 3	Section 7 consultation							
Project 3	Section 106 consultation							
Project 3	404 permit							