

PUBLIC UTILITIES COMMISSION

505 VAN NESS AVENUE
SAN FRANCISCO, CA 94102-3298



June 18, 2018

Mr. David Thomas
245 Market Street, Room 1054D
San Francisco, CA 94105

RE: Notice to Proceed #1 for the Fulton-Fitch Mountain Reconductoring Project

Dear Mr. Thomas,

Pursuant to the California Environmental Quality Act (CEQA), the California Public Utilities Commission (CPUC) prepared an Initial Study/Mitigated Negative Declaration (IS/MND) for Pacific Gas and Electric Company's (PG&E's) Fulton-Fitch Mountain Reconductoring Project (A. 15-12-005). On December 18, 2017, the CPUC issued a decision to adopt the Final IS/MND and grant PG&E a Permit to Construct the project (Decision D.17-12-012). The CPUC adopted the mitigation measures (MMs) and applicant proposed measures (APMs) identified in the IS/MND as conditions of project approval, as well as a Mitigation Monitoring and Reporting Program (MMRP) to ensure compliance with the MMs and APMs pursuant to Public Resources Code § 21081.6 and § 15097 of the CEQA Guidelines (Section 4 of the Final IS/MND).

A detailed Mitigation Monitoring, Compliance, and Reporting Plan (MMCRP) was developed for the project with direct participation with PG&E staff. The MMCRP defines specific procedures that are part of the adopted program including the Notice to Proceed (NTP) process, which requires PG&E to obtain approval from the CPUC prior to initiating specific actions covered by the CPUC's decision on the project. The purpose of the NTP process is to ensure all pre-construction phase requirements are completed and the proposed actions are consistent with the approved project as specified in the Final IS/MND. Any deviation from the approved project must be authorized by the CPUC through the Minor Project Refinement (MPR) process defined in the MMCRP or the CPUC's Petition for Modification process (CPUC Rule 16.4).

On May 14, 2018, PG&E submitted the first NTP request for the project (NTP #1) requesting CPUC authorization to initiate limited site development and staging activities at two locations. A request for MPR #1 was included with the NTP request because one of the staging areas (LZ-5) was not identified in the IS/MND. A copy of the NTP and MPR request materials are enclosed as Attachment 1.

This letter serves to inform you that the CPUC has reviewed and approved PG&E's requests for NTP #1 and MPR #1 with standard and specific conditions. These conditions are identified in the last section of this letter. The results of the CPUC's review of NTP #1 and the status of applicable pre-construction requirements are provided in Attachment 2, which include updated requirement summary tables from the MMCRP. A review form for MPR #1 is also included in Attachment 3.

On May 24, 2018, PG&E submitted a request MPR #2 in which an alternate access route between LZ-3 from Faught Road is identified. MPR #2 is under review by the CPUC and will be

addressed separately from NTP #1. PG&E must obtain CPUC approval prior to using the proposed access route.

Actions that have been reviewed and approved in this NTP are summarized below. Actions that are pending CPUC review and approval are also identified for clarity.

Actions Reviewed and Approved in NTP #1

This NTP authorizes PG&E to initiate all mobilization, site development, and staging area activities described in the Final IS/MND at staging area LZ-3 (Shiloh Road) and at the new staging area LZ-5 (Windsor-Oaks) identified in MPR #1, as well as the associated access roads (Access Road 11a, Access Road 42, and Access Road 43). Actions that were reviewed and authorized in this NTP include:

- Clearing vegetation and grading, installing gravel, and installing water crossings
- Installing erosion controls and sediment controls
- Installing construction fencing and trailers
- Storing vehicles, materials, and equipment
- Helicopter landing and transport operations
- Workforce meetings

Actions Reviewed and Approved in Previous NTPs

No other NTP requests have been submitted to date.

Actions Pending Review and Approval

PG&E must submit NTP requests and obtain approval from CPUC prior to initiating all other actions or working in additional areas that are not described above. Actions described in the IS/MND that have not been authorized include:

- Mobilization, site development, and staging activities beyond those directly associated with staging areas LZ-3 and LZ-5
- Pole removal, pole replacement, and reconductoring
- Substation modifications
- Addition of an alternate access route to LZ-3 identified in MPR #2

Minor Project Refinement #1

PG&E's request for MPR #1 identifies a new 4.15-acre staging area between Poles 72 and 73, Staging Area LZ-5 (Windsor-Oaks). The staging area would be used for helicopter landing, storing construction materials and equipment, refueling equipment and helicopters, parking vehicles and equipment, collecting construction waste prior to disposal, and construction workforce meetings. The staging area location is within the IS/MND study area and was previously identified as a potential helicopter touch down area. Access to LZ-5 would be provided via previously approved access routes identified in the IS/MND. The CPUC conducted a CEQA consistency review for MPR #1 following the procedures set forth in the MMCRP. A completed review form and summary of findings is provided in Attachment 3.

The staging area would be located within a previously disturbed agricultural area covered with grass. No sensitive receptors are located within 500 feet of the work area.

The staging area location was surveyed for sensitive and protected environmental resources, including special-status plants and wildlife, water resources, and cultural resources. No special-status species, water resources, or cultural resources were identified within the staging area. Six water resources within 500 feet of the staging area have been identified as potentially suitable aquatic habitat for California red-legged frog and/or foothill-yellow legged frog. The entire staging area is considered potentially suitable upland habitat for California red-legged frog.

Use of the staging area would involve temporary vegetation and ground disturbance, which have the potential to impact suitable habitat for California red-legged frog, agricultural land, and adjacent water resources. Activities at the staging area would be consistent with those described for all other staging areas in the IS/MND, and may involve the storage of hazardous materials, such as fuels and oils. Construction activities within dry vegetation, such as dry grass at the staging area, involves a risk of igniting a wildfire. These impacts were analyzed in the IS/MND and the nature and scope of the impacts associated with MRP #1 would be consistent with the analysis presented in the IS/MND. No new or substantially greater impacts would occur. Mitigation identified in the IS/MND would avoid or reduce significant impacts to less than significant levels.

Conditions of Approval

This NTP is approved with the following standard conditions:

1. PG&E shall comply with all APMs and MMs identified in the Final IS/MND; CPUC-approved plans; and other agency authorizations and permits.
2. PG&E shall comply with the adopted MMRP and project-specific procedures identified in the MMCRP.
3. PG&E shall not deviate from the CPUC-approved project as defined in the Final IS/MND or otherwise authorized by CPUC through additional CEQA review or the MPR process defined in the MMCRP.
4. PG&E shall obtain an NTP from CPUC prior to initiating any actions that are not specifically authorized in this or previous NTPs.

This NTP is also approved with the following specific conditions:

5. **General Permit/SWPPP.** Prior to construction, PG&E shall provide CPUC with final Permit Registration Documents (PRDs) (e.g., Notice of Intent [NOI], etc.).
6. **Caltrans Transportation Permit.** PG&E shall acquire the permit and provide a copy to CPUC prior to transportation of oversized equipment on the state transportation network.
7. **Sonoma County Transportation Permit.** PG&E shall acquire the permit and provide a copy to CPUC prior to transportation of oversized equipment on the County transportation network.

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8. **Worker Environmental Awareness Program (WEAP) Training Materials.** Final content from the Construction Fire Prevention Plan must be incorporated into the training materials. Copies of the final training pamphlets must be provided if such materials will be used in lieu of the presentation materials approved by CPUC.
9. **Pending Surveys and Response.** Immediately prior to initiating work activities on the project site, PG&E shall conduct remaining pre-construction surveys and clearances, as specified in applicable APMs and MMs, and submit the results to the CPUC. Pending pre-construction surveys are required for the following resources at project areas covered in this NTP (refer to Table 4 in Attachment 2):
 - a. California tiger salamander
 - b. American badger
 - c. Western pond turtle
 - d. California red-legged frog (CRLF)
 - e. Foothill yellow-legged frog (FYLF)
 - f. Nesting birds
 - g. Special-status and protected bats. An acoustic emergence survey must be completed, and the results reported to CPUC, prior to impacting suitable roosts during the breeding season.
 - h. Vegetation infected with Sudden Oak Death
10. **Compliance Monitoring and Reporting.** PG&E shall initiate compliance monitoring and reporting requirements identified in the MMCRP starting on the first day construction activities occur. Monitoring and reporting shall continue for the entire duration of construction, including periods of inactivity, and until the CPUC deems these requirements complete.

Please direct any questions related to this NTP to me at 415-703-1966 or lisa.orsaba@cpuc.ca.gov.

Sincerely,



Lisa Orsaba
Project Manager
Energy Division, CEQA Unit

cc: Jo Lynn Lambert, PG&E Attorney
Aaron Lui, Project Manager, Panorama Environmental, Inc.

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Attachment 1: PG&E Requests for NTP #1 and MPR #1

Attachment 2: CPUC Review of Pre-Construction Requirements for NTP #1

Attachment 3: CPUC Review of MPR #1

Attachment 1: PG&E Requests for NTP #1 and MPR #1

5/31/2018

Lonn Maier/Lisa Orsaba
California Public Utilities Commission
505 Van Ness Avenue
San Francisco, CA 94102

**Subject: Fulton-Fitch Mountain 60kV Reconductoring Project
Notice to Proceed Request No. 1 (NTP #1) – Staging Areas LZ 3 and LZ 5**

Dear Mr. Maier/Ms. Orsaba,

On December 18, 2017, the California Public Utilities Commission (CPUC) issued Decision D1712012, granting Pacific Gas and Electric Company (PG&E) a Permit to Construct the Fulton-Fitch Mountain 60kV Reconductoring Project (project) (Application A.15-12-005) pursuant to General Order 131-D. The CPUC Decision adopted the Final Mitigated Negative Declaration (MND), released in October 2017, in its entirety. The Final MND includes a Mitigation Monitoring, Compliance and Reporting Plan (MMCRP), and the CPUC adopted the MMCRP as part of its approval of the project.

NTP Request Number:	1 (revised)
Date Submitted to CPUC:	5/31/2018
Requested Approval Date:	6/7/2018
Anticipated Start/End Date for Proposed Actions:	This NTP request is for work at Staging Areas LZ-3 and LZ-5 and associated access routes, scheduled to commence on June 11, 2018. The remaining work is scheduled to commence in July 15, 2018, and will be addressed in a separate NTP request.

Description of the proposed actions requested in the NTP:
PG&E requests that the CPUC issue a Notice to Proceed (NTP #1) for Staging Areas LZ-3 (Shiloh Road) and LZ-5 (Windsor-Oaks), the location of which is depicted on maps included in the attached Minor Project Refinement #1 and biological survey reports (Attachment A). Table C-2 from the MMRP is provided below, providing an update on delivery of plans required in the Final ISMND.
Summary of previously authorized actions (if applicable) as detailed in NTP Authorization Letters:
No NTP Authorization Letters have previously been issued.
Summary of actions that have not been proposed or authorized that must be included with future NTP requests:
Replace conductor on a 9.9-mile-long section of the Fulton-Hopland 60-kilovolt (kV) Power Line (Fulton-Hopland line or 60-kV line) between Fulton Substation and Fitch Mountain Substation; replace poles along 8 miles of the Fulton-Hopland line, replace conductor on 1.4 miles of the Geysers #12-Fulton 230-kV Transmission Line (Geysers #12 line or 230-kV line), and make modifications to Fitch Mountain Substation.

Summary of outstanding requirements and documentation not included with the NTP package, and the anticipated dates it will be provided:

- See Table C-2 below.

Minor Project Refinements or Temporary Extra Workspace related to the proposed actions:

A Revised Minor Project Refinement #1 (MPR) and associated surveys are provided in Attachment 1. MPR #2 was submitted to CPUC on 5/24/2018. A summary of the MPR is provided below.

MPR 01 – Windsor Oaks LZ-5 Staging Area: PG&E proposes to add a new staging area, totaling approximately 4.15 acres. This new staging area would be located between Poles 72 and 73. The new staging area would be used for helicopter landing, storing construction materials and equipment, refueling equipment and helicopters, parking vehicles and equipment, collecting construction waste prior to disposal, and construction workforce meetings. This staging area was included in the ISMND study area, and previously approved as a potential helicopter touch down area.

MPR 02-LZ-3 Access Road: PG&E proposes to add a new access route to Staging Area LZ-3, totaling approximately 0.29 acres. This new staging area route would extend from Faught Road, just north of Shiloh Road, to the western portion of Staging Area LZ-3. Staging area LZ-3 is located between poles 31 and 32. The new access route would be facilitating staging area activities, including helicopter landing, storing construction materials and equipment, refueling equipment and helicopters, parking vehicles and equipment, collecting construction waste prior to disposal, and construction workforce meetings.

List of Attachments:

Attachment 1: Minor Project Refinement #1 (Revised)

Attachment 2: Revised California Red-Legged Frog and Foothill Yellow-Legged Frog Mapping Memo for Staging Areas (LZ-3 and LZ-5)

Attachment 3: Revised Preconstruction Vegetation Memo for Staging Areas (LZ-3 and LZ-5)

Table C-1 Plans Tracking

Plan	Requirement Sources	Timing and Submittal Requirements	Review/Coordination ^a		
			Submitted	Approved	Status
Required Prior to All Construction Activities					
Environmental Training Program (ETP) Materials	APM BIO-1a: Environmental Awareness Training MM Biology-10: Sudden Oak Death Procedures MM Cultural-2: Cultural Resource Training MM Hazards-1: Hazardous Materials Procedures and Worker Training MM Hazards-2: Construction Fire Prevention Plan APM PAL-2: Worker Environmental Awareness Training	PG&E shall submit all ETP materials to CPUC for review and approval no less than 30 days before construction.	CPUC: Complete	CPUC: Pending	Final version submitted 5/30/2018.
Revegetation, Restoration, and Monitoring Plan	MM Biology-7: Revegetation, Restoration, and Monitoring Plan	PG&E shall submit the plan to the CPUC for review and approval no less than 60 days before construction.	CPUC: Complete	CPUC: Pending	Final version in preparation with expected delivery of May 31, 2018.
Stormwater Pollution Prevention Plan (SWPPP)	MM Hazards-1: Hazardous Materials Procedures and Worker Training MM Hydrology-1: SWPPP Development and Implementation MM Hydrology-2: SWPPP Monitoring Program	A Qualified SWPPP Developer (QSD) shall prepare a SWPPP for the project in accordance with the SWRCB General Permit (refer to Table C-1). PG&E shall submit the SWPPP to the CPUC for review and comment no less than 30 days prior to construction.	CPUC: Pending	CPUC: Pending	Pending
Required Prior to Specific Construction Activities					
Construction Fire Prevention Plan	MM Hazards-2: Construction Fire Prevention Plan	PG&E shall submit the plan to CPUC for review and approval at least 30 days prior to construction within the Northern Segment.	CPUC: Complete	CPUC: Pending	Final version submitted 5/21/2018.

Plan	Requirement Source	Timing and Submittal Requirements	Review/Coordination ^a		Status
Watercourse Avoidance and Crossing Plan	MM Hydrology-4: Watercourse Avoidance and Crossing Plan	PG&E shall prepare a Seasonal Watercourse Avoidance and Crossing Plan and submit the plan to the CPUC no less than 60 days prior to use or construction of surface water crossings or work within 50 feet of surface water resources.	CPUC: Complete	CPUC: Pending	Final version in preparation with expected delivery of May 31, 2018
Road Conditions Assessment	MM Traffic – 3: Roadway Damage	PG&E shall submit photos and coordinates of any existing roadway damage to the CPUC no less than 30 days prior to construction.	CPUC: Complete	CPUC: Complete	Approved 5/3/2018
Pre-Project Trail Condition Report	MM Recreation – 1: Trail Conditions and Repairs	PG&E shall prepare a Pre-Project Trail Condition Report prior to construction that documents the condition of designated trails located within project work areas or access routes and shall be submitted to the CPUC no less than 30 days before construction.	CPUC: Pending	CPUC: Pending	In preparation with expected delivery of June 15, 2018.
California Red-Legged Frog (CRLF) and Foothill Yellow-Legged Frog (FYLF) Mapping Report	MM Biology -3 and MM Biology -4	PG&E shall submit maps (1: 3,000 scale) to the CPUC identifying the locations of potentially suitable aquatic CRLF and FYLF habitat features and upland habitat within 500 feet of the project features, no less than 30 days before construction.	CPUC: Submitted	CPUC: Pending	Final version specific to LZ-3 and LZ-5 in preparation with expected delivery of May 31, 2018
Preconstruction Vegetation Report	MM Biology-7	Prior to construction, a qualified biologist or botanist shall identify the vegetation resources that may be impacted and a report shall be submitted to the CPUC no less than 30 days before construction.	CPUC: Submitted	CPUC: Pending	Final version specific to LZ-3 and LZ-5 in preparation with expected delivery of May 31, 2018

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Part A: Request Description

MPR Request

Request Number: 01
Date Requested: May 31, 2018
**Proposed Duration/
Timing of Use:** [June 1, 2018] to [January 31, 2019]
[Monday-Sunday]; [active use: max 7:00 am to 7:00 pm when daylight allows, storage:
24 hours/day]
Location: Access from Hillview Rd. (Project Access Road A43), between Poles 72 and
73
Attached Map? 4.15 acres in size
 Yes No See Figure 2 of Attached California Red-Legged Frog and Foothill Yellow-Legged
Frog Habitat Maps for Staging Areas

Proposed Action(s)

PG&E proposes to add a new staging area, totaling approximately 4.15 acres. This new staging area would be located between Poles 72 and 73. The new staging area would be used for helicopter landing, storing construction materials and equipment, refueling equipment and helicopters, parking vehicles and equipment, collecting construction waste prior to disposal, and construction workforce meetings. This staging area was included in the ISMND study area, and previously approved as a potential helicopter touch down area.

Purpose(s)

Access to previously identified staging areas on Brooks Road has not been granted, and this new location will serve as a critical staging area for work activities in the northern portion of the project.

Part B: Existing Conditions

Existing Land Uses: Pasture, private open space.

Surrounding Land Uses: Vineyard, pasture, private open space.

Sensitive Receptors within 500 feet: There are no sensitive receptors within 500 feet of the proposed landing zone.

Environmental Resources within 500 feet: There are six (6) water features within 500 feet that could potentially support California red-legged frog during non-breeding stages. Four (4) features, from the wetland delineation, are: SEW 33, SEW 34, SW 7, and RIWO 10. Two additional ponds, identified during biological surveys conducted in 2016 and 2018 and included in the California Red-Legged Frog and Foothill Yellow-Legged Frog Habitat Maps memo prepared by Stantec, are: Ponds #20 and #21.
Mitigation considerations discussed below in Part E.

Has landowner approval been granted? Yes No N/A
PG&E acquired Temporary Construction Easement from land owner on 4/13/18

Landowner: Windsor Oaks Associates, L.P.

Surveys

List any new survey reports under Part D, attach a copy, and describe relevant survey details under the applicable resource category listed in the Part E.

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Biological Resources. Were all sites associated with the proposed action(s) surveyed for biological resources with the potential to occur in the area? If so, were survey results positive or negative? Were surveys completed during the appropriate timing and season to detect resources? If not, describe under the applicable resource category in Part E.

The proposed staging area was surveyed during rare plant surveys in 2017, no sensitive habitat or special-status plants were observed during surveys. These surveys were conducted during appropriate blooming period for species with a potential to occur. No special- status plant or animal species were observed during surveys. In March of 2016, Ponds #20 and #21 were sampled for larval California red-legged frog and none were detected. Bullfrogs were observed at both ponds, and these ponds were given a low habitat classification for breeding suitability for California red-legged frog. In March of 2018, all water features within 500 feet were visually surveyed for special-status species and none were observed.

Cultural Resources. Were all sites associated with the proposed action(s) surveyed for cultural resources (records search and pedestrian survey)? If so, were survey results positive or negative?

The proposed staging area was within the survey corridor for cultural resources. There were no cultural resources observed between Poles 72 and 73, where the proposed staging area will be placed.

Jurisdictional Waters. Were all sites associated with the proposed action(s) surveyed for hydrologic resources? If so, were survey results positive or negative?

The proposed staging area was surveyed for jurisdictional waters; there are no jurisdictional waters on or immediately adjacent to the site.

Part C: Permits, Agency Approvals, and Environmental Protection Measures

List any new permits or agency approvals under Part D, attach a copy, and describe relevant details under the applicable resource category listed in Part E.

Have all required permits, permit amendments/authorizations, or agency approvals been issued by resource agencies with applicable jurisdiction? Describe if necessary.

Yes

Would the proposed action(s) conflict with permit conditions or agency approvals? Describe if necessary.

No

Would the proposed action(s) conflict with project applicant proposed measures or mitigation measures listed in Final Initial Study/Mitigated Negative Declaration (IS/MND)? Describe if necessary.

No

Part D: Attached Materials

List any attached materials (e.g. surveys, maps, photos, memos, agency authorizations, etc.) below. Materials should be attached to the end of this form.

California Red-Legged Frog/Foothill Yellow Legged Frog mapping memo and Preconstruction Vegetation Memo are attached to Notice To Proceed Request #1 and submitted concurrently with this form.

Part E: Final IS/MND Consistency Summary

Complete the Final IS/MND Consistency Summary below and answer the consistency questions for each resource category. Include a description and justification below each resource category as necessary. The

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consistency questions were developed using the CEQA Checklist provided in the Final IS/MND. Refer to the Final IS/MND for the details on the project impact evaluation.

Would the proposed action(s) result in a new impact, or increase the severity of a previously analyzed impact on:	No Change	Potentially Significant Change	N/A
<p>Aesthetics (e.g., damage scenic resources or vistas, degrade the existing visual character of the site and its surroundings, or create sources of light or glare)?</p> <p><i>Final IS/MND evaluation: Less than Significant with Mitigation</i></p> <p>There are no sensitive receptors within 500 feet of the proposed staging area, and approved work is already occurring in that area to replace Poles 72 and 73. Therefore, the proposed staging area would not result in any impacts to aesthetics that haven't already been discussed in the ISMND. The proposed staging area would not result in a new impact or increase the severity of a previously analyzed impact on aesthetics.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Agriculture and Forestry Resources (e.g., convert Farmland to nonagricultural use, or create a conflict with existing agricultural zoning or a Williamson Act)?</p> <p><i>Final IS/MND evaluation: Less than Significant with Mitigation</i></p> <p>The land on which the staging area would be placed is on the Windsor Oaks Conservation Easement managed by Sonoma County Agriculture Preservation and Open Space District. The staging area would result in temporary impacts during construction, and would not result in the conversion of farmland to non-agricultural land. The staging area would be restored following construction. The proposed staging area would not result in a new impact or increase the severity of a previously analyzed impact on agriculture or forestry resources.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Air Quality (e.g. produce additional emissions, or expose sensitive receptors to additional pollutants)?</p> <p><i>Final IS/MND evaluation: Less than Significant</i></p> <p>The proposed staging area could result in the creation of fugitive dust during construction. APM AIR-1 would ensure that impacts from fugitive dust would be minimized, and impacts to air quality would remain less than significant. The proposed refinement would not result in a new impact or increase the severity of a previously analyzed impact on air quality.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Biological Resources (e.g., cause an adverse effect to sensitive or special-status species, or impact riparian, wetland, or any other sensitive habitat, or conflict with local policies or ordinances protecting biological resources)?</p> <p><i>Final IS/MND evaluation: Less than Significant with Mitigation</i></p> <p>The proposed staging area is located within the same area as the Project analyzed in the ISMND. Mitigation Measures from the Final ISMND would apply to work at this location and no additional adverse effects would be created.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>Cultural and Tribal Cultural Resources (e.g., cause adverse change to a historical, archeological, or tribal cultural resource)?</p> <p><i>Final IS/MND evaluation: Less than Significant with Mitigation</i></p> <p>The proposed staging area has been surveyed for cultural resources, and it was determined that none occur on the site. The staging area would be used for storing materials and equipment during construction, and would no new excavations or digging would be performed here. The proposed staging area would not result in a new impact or increase the severity of a previously analyzed impact on cultural or tribal resources.</p>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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Geology and Soils (e.g., cause or expose people or structures to geologic or soil hazards, including erosion or loss of topsoil)?

Final IS/MND evaluation: Less than Significant with Mitigation

The proposed staging area would not require any earthmoving activities and would not result in the loss of topsoil or increase erosion. The proposed staging area would not result in a new impact or increase the severity of a previously analyzed impact on geology and soils.

Greenhouse Gas Emissions (e.g., generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment)?

Final IS/MND evaluation: Less than Significant

The proposed staging area would not result in an increase in the level of equipment use and run time of equipment, and would be consistent with the estimates provided in the ISMND. APM AIR-2 and APM GHG-2 would ensure that any impacts from emissions would remain less than significant. The proposed staging area would not result in a new impact or increase the severity of a previously analyzed impact on greenhouse gas emissions.

Hazards and Hazardous Materials (e.g., create or increase the exposure of people or structures to hazardous materials or wildland fires, involve the use of additional hazardous materials or equipment, or interfere with an adopted emergency plan)?

Final IS/MND evaluation: Less than Significant with Mitigation

Hazardous materials (such as fuels and oils) may be stored in the staging area, and would be consistent with the types of materials analyzed in the ISMND. The proposed staging area does not contain any known hazardous material sites. The staging area is located on grassland and could pose a fire risk; however, this risk is consistent with other work areas in the vicinity and throughout the project that are placed in grassland. PG&E would implement the Fire Prevention Plan prepared for the project as well as additional fire safety practices to prevent wildland fires. APM HM-3, APM HM-4, MM Hazards-1, and MM Hazards-2 would ensure that impacts from hazards and hazardous materials are less than significant, with mitigation. The proposed staging area would not result in a new impact or increase the severity of a previously analyzed impact on hazards and hazardous materials.

Hydrology and Water Quality (e.g., degrade water quality, discharge waste or sediment, deplete groundwater, alter the existing drainage pattern, create additional runoff water or polluted runoff, place structures in a 100-year flood hazard area, or expose people or structures to a significant risk involving flooding)?

Final IS/MND evaluation: Less than Significant with Mitigation

The proposed staging area is in an area previously surveyed for hydrological resources and would remain consistent with impacts analyzed in the ISMND. The proposed staging area would not alter the existing drainage pattern of the site, and implementation of MM Hydrology-1 and MM Hydrology-2 would ensure that a Stormwater Pollution and Prevention Plan is prepared and implemented, and any impacts to water quality would remain less than significant, with mitigation. The proposed staging area would not result in a new impact or increase the severity of a previously analyzed impact on hazards and hazardous materials.

Land Use (e.g., conflict with a land use plan, policy, or regulation of an agency with jurisdiction over the project, or conflict with a habitat conservation plan)?

Final IS/MND evaluation: Less than Significant with Mitigation

The proposed staging area is located within the same area as the Project analyzed in the ISMND, within the Windsor Oaks Conservation Easement managed by the Sonoma County Agricultural Preservation

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and Open Space District. The proposed staging area would not result in a new impact or increase the severity of a previously analyzed impact on land use and planning.

Noise (e.g., expose sensitive receptors to additional noise or vibration)?

Final IS/MND evaluation: Less than Significant with Mitigation

Activities associate with staging equipment and material at the proposed staging area are consistent with those discussed in the ISMND. Pole replacement activities would already be occurring at Poles 72 and 73, adjacent to the proposed staging area. There are no sensitive receptors within 500 feet, and the proposed staging area would not result in a new impact or increase the severity of a previously analyzed impact on noise.

Paleontological Resources (e.g., cause adverse change to a paleontological resource or site or unique geologic feature)?

Final IS/MND evaluation: Less than Significant with Mitigation

The proposed staging area has been surveyed for paleontological resources, and it was determined that none occur on the site. The staging area would be used for storing materials and equipment during construction, and would no new excavations or digging would be performed here. The proposed staging area would not result in a new impact or increase the severity of a previously analyzed impact on paleontological resources.

Population and Housing (e.g., induce substantial population growth in an area, or displace substantial numbers of people or housing)?

Final IS/MND evaluation: Less than Significant

The proposed staging area would not result in any impacts to population and housing, and would be consistent with the analysis of the ISMND. The proposed staging area would not result in a new impact or increase the severity of a previously analyzed impact on population and housing.

Recreation (e.g., increases the use of, or cause adverse effects to, parks or other recreational facilities)?

Final IS/MND evaluation: Less than Significant with Mitigation

The proposed staging area is located on private land, and would therefore have no impact on recreation facilities or parks. The proposed staging area would not result in a new impact or increase the severity of a previously analyzed impact on recreation.

Transportation and Traffic (e.g., increase traffic congestion or degrade performance of the circulation system, taking into account all modes of transportation, or increase hazards due to a design feature)?

Final IS/MND evaluation: Less than Significant with Mitigation

The proposed staging area would not result in a new impact or increase the severity of a previously analyzed impact on transportation and traffic.

Utilities and Public Services (e.g., result in construction of new, or expansion of existing, water facilities, stormwater drainage facilities, require additional water entitlements, or creation of new solid waste disposal needs)?

Final IS/MND evaluation: Less than Significant with Mitigation

The proposed staging area would not include the construction of new, or expand existing, water facilities, stormwater drainage facilities, require additional water entitlements, or creation of new solid waste disposal needs.

To: David Thomas
Pacific Gas and Electric Company

From: Tom Davis
Stantec Consulting, Inc.

File: Fulton-Fitch Mountain Reconductoring Project

Date: June 4, 2018

Reference: Fulton-Fitch Mountain Reconductoring Project: Seasonal Watercourse Avoidance and Crossing Plan, Staging Areas (Landing Zone 3 and Landing Zone 5)

INTRODUCTION

Pacific Gas and Electric (PG&E) is conducting the Fulton-Fitch Mountain Reconductoring Project (Project) to reinforce the electric transmission and distribution system in Sonoma County by replacing existing conductor (reconductoring) on two power lines pursuant to California Public Utilities Commission (CPUC) General Order (GO) 131-D, Section III.B. PG&E is replacing the conductor on a 9.8-mile-long section of the Fulton-Hopland 60kilovolt (kV) Power Line (Fulton-Hopland line or 60kV line) between Fulton Substation and Fitch Mountain Substation. PG&E is also replacing poles along 8 miles of the Fulton-Hopland line, replacing conductor on 1.4 miles of the Geysers #12-Fulton 230kV Transmission Line (Geysers #12 line or 230kV line), and making modifications to Fitch Mountain Substation (Figure 1). The project is comprised of two segments: the Southern Segment, which extends from Fulton Substation to Shiloh Ranch Regional Park, and the Northern Segment, which extends between Shiloh Ranch Regional Park and the Fitch Mountain #1 Tap 60kV Power Line (Fitch Mountain #1 Tap).

Mitigation Measure (MM) Hydrology - 4 of the Initial Study/Mitigated Negative Declaration (IS/MND) issued by the CPUC for the project requires the preparation of a Seasonal Watercourse Avoidance and Crossing Plan that defines specific methods for completely avoiding impacts to wetlands and streams, or specific minimization measures that would be implemented at each crossing location that cannot be completely avoided.

In accordance with MM Hydrology - 4, PG&E has prepared this Seasonal Watercourse Avoidance and Crossing Plan for wetlands and waters within 50-feet of project work areas, which includes the following:

- Available methods for complete avoidance (i.e., fencing, flagging, or alternative routes) or an explanation why complete avoidance is not feasible, where applicable.
- Proposed crossing methods.
- Anticipated impacts that cannot be avoided and anticipated permitting requirements for those impacts with an explanation why alternate crossing methods are not feasible.
- Methods that would be implemented to reduce water quality impacts, avoid inadvertent impacts on aquatic resources, and avoid direct impacts on potentially suitable aquatic habitat for CRLF and FYLF (refer to MM Biology-3). Methods could include restricting crossing to dry periods; installing temporary bridges; or placing fiber-glass mats, steel plates, or wooden beams to protect the feature.

PG&E plans to start work in two locations—Landing Zone 3 (LZ-3) and Landing Zone 5 (LZ-5)—in June, 2018 (Figure 2). As such, this report covers only those two locations and associated access roads (Access Road 42 and Access Road 43). In addition, a new access road for LZ-3 was proposed in Minor Project Refinement #2 (submitted May 24, 2018), which replaces Access Road 11a between Shiloh Road and LZ-3. An additional memo will be submitted for the remainder of the project area prior to work in those locations.

METHODS

Prior to visiting the project site, the following reports were reviewed:

- Fulton-Fitch Reconductoring Project, Water Crossing Mapping; Garcia and Associates; January 15, 2016
- Delineation of Waters of the United States for Pacific Gas and Electric Company's Fulton-Fitch Mountain Reconductoring Project, Sonoma County, California; TRC; May 2015

Following this review, biologists Margaret Finch and Alan Roseto conducted field surveys on March 19, 20, 21, 22, and 23, 2018. Biologist Sheryl Creer, conducted a follow-up survey on May 2, 2018. Ms. Finch, Ms. Creer, and Mr. Roseto were approved by the CPUC as Qualified Biologists on the Project. Biologists visited each pre-established watercourse crossing and photographed each watercourse crossing they encountered. In addition, all project impact areas, including access roads, were visited to identify additional watercourse crossings.

RESULTS

There are two watercourse crossings on the existing access road to LZ-3 that cannot be avoided. Both of these crossings use existing culverts and no improvements will be necessary. Photos of each proposed watercourse crossing listed in Table 1 are included in Attachment A. There are no other wetland and water features within 50-feet of LZ-3 or LZ-5.

Per MM Hydrology – 1, a Stormwater Pollution Prevention Plan (SWPPP) has been prepared for the project (Ahtna, 2018). The SWPPP addresses procedures and standards required for specific project activities including, but not limited to, BMPs or erosion and sedimentation control; dewatering; hazardous materials identification, handling, storage, and disposal; and emergency response and cleanup. All necessary erosion and sediment control BMPs will be installed prior to conducting grading or vegetation clearing activities during the wet season and before the onset of any anticipated storm events. Temporary BMPs such as silt fences or wattles, which are intended to minimize sediment transport from temporarily disturbed areas, shall remain in place until disturbed areas have stabilized. SWPPP monitoring will be conducted on a weekly basis, in accordance with MM Hydrology - 2. MM Hydrology – 3 outlines a dewatering procedure to be implemented to ensure that any groundwater encountered during project activities will not come into contact with surface waters. Flagging will remain intact throughout construction within a given work area. For water features that cannot be avoided via these measures, see Table 1 for proposed crossing methods.

Table 1: Proposed Watercourse Crossings

SWACP Crossing Number	ISMND Crossing Number	Crossed by	Nearest Project Impact Areas	Water Feature to be Crossed	Proposed Avoidance and Minimization Method
Crossing 1	N/A	New Access Route to LZ-3	LZ-3	Seasonal watercourse	Existing culvert
Crossing 2	N/A	New Access Route to LZ-3	LZ-3	Seasonal watercourse	Existing culvert

CONCLUSIONS

Jurisdictional water features located near project impact areas will be flagged prior to construction activities and avoided. In addition, BMPs will be implemented across the project site to minimize impacts to these features. Two watercourses will be crossed by the current phase of the proposed project using culverted crossings on an existing dirt road. With implementation of the methods described above and listed in Table 1, impacts to jurisdictional water features will be avoided and permitting requirements are not anticipated.

At a minimum, PG&E will notify California Department of Fish and Wildlife in accordance with the requirements of Fish and Game Code Section 1602 prior to:

- Substantially divert or obstruct the natural flow of any river, stream or lake;
- Substantially change or use any material from the bed, channel or bank of any river, stream, or lake; or
- Deposit debris, waste or other materials that could pass into any river, stream or lake.

According to Fish and Game Code Section 1602, "river, stream or lake" includes those waters that are dry for periods of time as well as those that are perennial. This includes ephemeral streams, washes, and watercourses with a subsurface flow. It may also apply to work undertaken within the flood plain of a body of water. If conditions change and permits may be required, PG&E will notify CPUC immediately and then consult with the applicable agencies to obtain the necessary permits prior to conducting activities for which the permits would be required.

REFERENCES

Ahtna Government Services Corporation. 2018. Stormwater Pollution Prevention Plan, Fulton Fitch Mountain Reconductoring 60 kV Project. Application ID#: 494849.

Panorama Environmental, Inc. 2017. Fulton-Fitch Mountain Reconductoring Project Final Initial Study/Mitigated Negative Declaration. State Clearinghouse No. 2017072049.

STANTEC CONSULTING SERVICES INC.

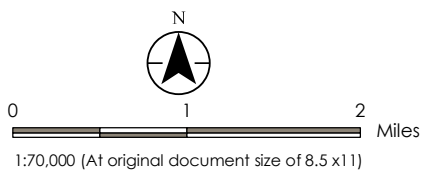
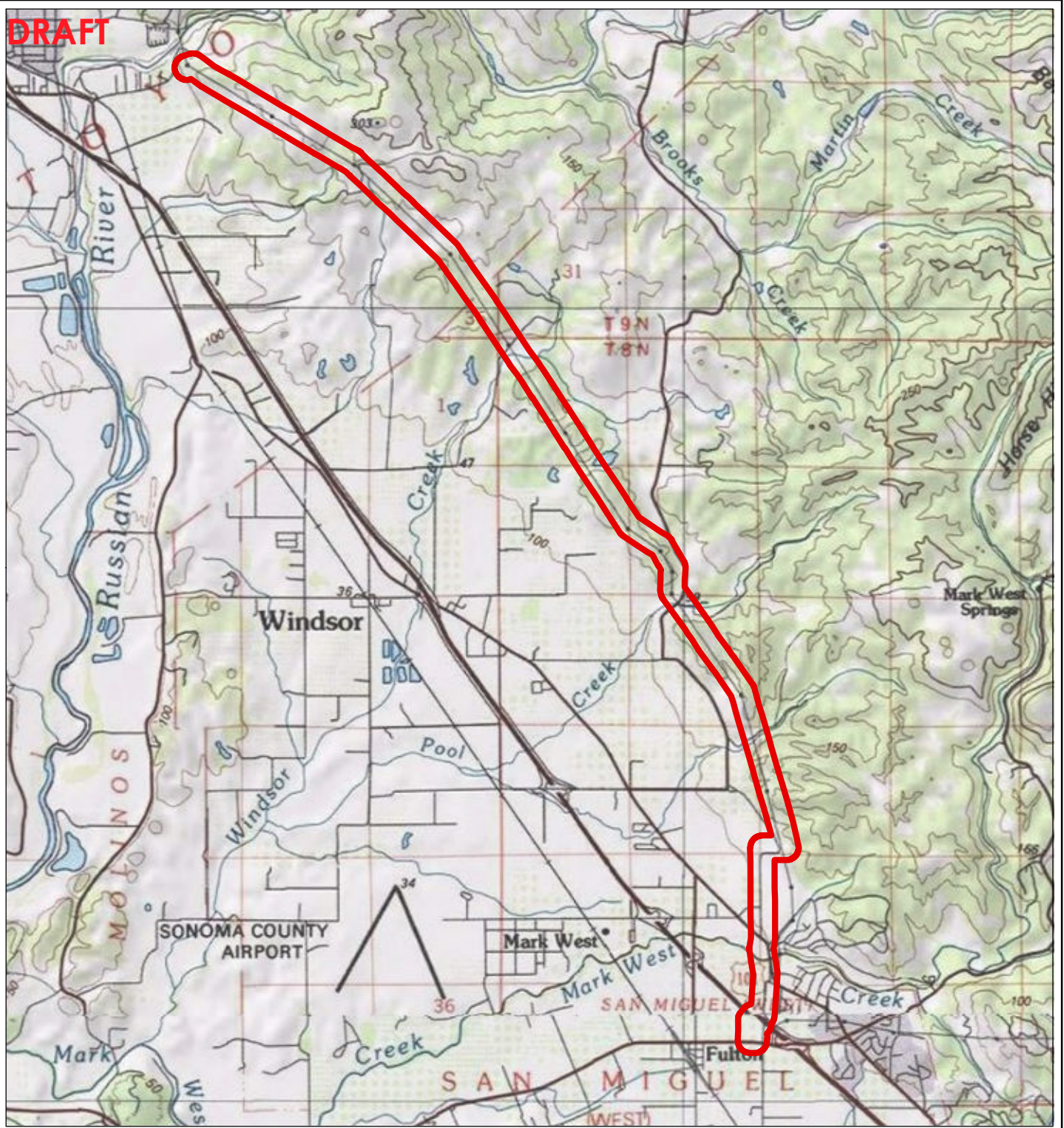


Tom Davis
Senior Biologist

Phone: (415) 205 4797
thomas.davis@stantec.com

Attachment: Figure 1: Project Vicinity
Figure 2: Proposed Watercourse Crossings
Attachment A: Photographs of Proposed Watercourse Crossings

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Legend

 Project Boundary

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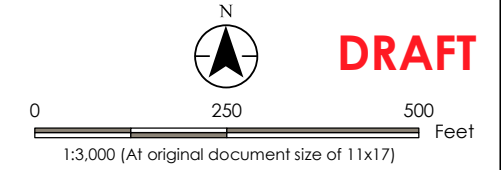
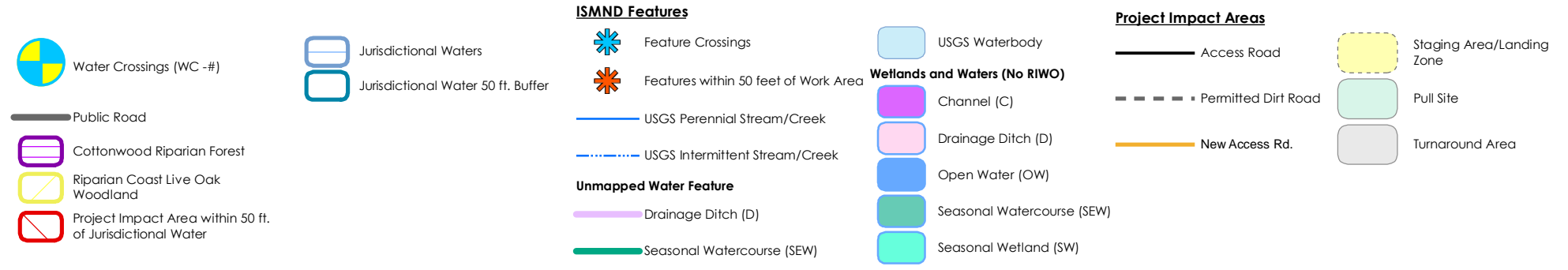
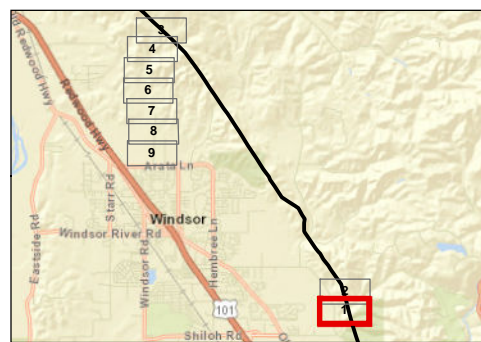
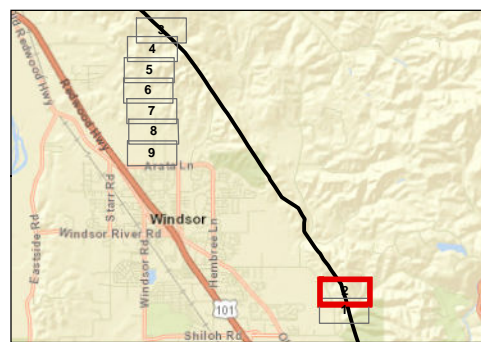


Figure 2: Proposed Watercourse Crossings and Water Features within 50-Foot of Impact Areas
Fulton-Fitch Mountain 60 kV Project
 Sheet 1 of 9

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- Water Crossings (WC -#)
- Public Road
- Cottonwood Riparian Forest
- Riparian Coast Live Oak Woodland
- Project Impact Area within 50 ft. of Jurisdictional Water

- Jurisdictional Waters
- Jurisdictional Water 50 ft. Buffer

ISMND Features

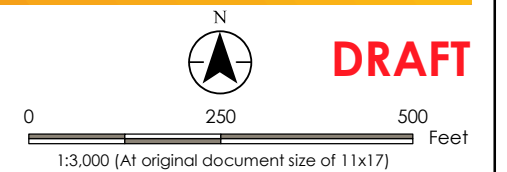
- Feature Crossings
- Features within 50 feet of Work Area
- USGS Perennial Stream/Creek
- USGS Intermittent Stream/Creek
- Unmapped Water Feature**
- Drainage Ditch (D)
- Seasonal Watercourse (SEW)

Wetlands and Waters (No RIWO)

- USGS Waterbody
- Channel (C)
- Drainage Ditch (D)
- Open Water (OW)
- Seasonal Watercourse (SEW)
- Seasonal Wetland (SW)

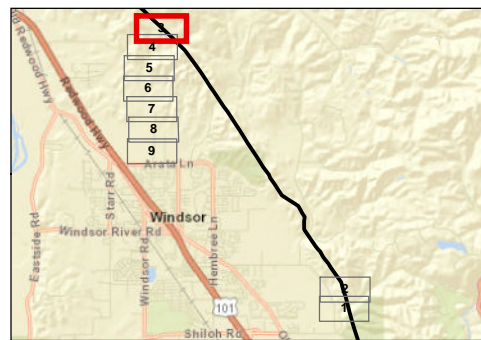
Project Impact Areas

- Access Road
- Permitted Dirt Road
- New Access Rd.
- Staging Area/Landing Zone
- Pull Site
- Turnaround Area



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Figure 2: Proposed Watercourse Crossings and Water Features within 50-Foot of Impact Areas
Fulton-Fitch Mountain 60 kV Project
 Sheet 2 of 9



- Water Crossings (WC -#)
- Public Road
- Cottonwood Riparian Forest
- Riparian Coast Live Oak Woodland
- Project Impact Area within 50 ft. of Jurisdictional Water

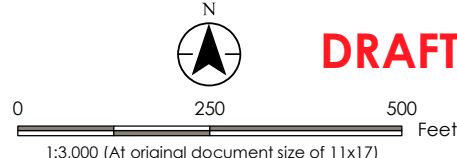
- Jurisdictional Waters
- Jurisdictional Water 50 ft. Buffer

- ISMND Features**
- Feature Crossings
 - Features within 50 feet of Work Area
 - USGS Perennial Stream/Creek
 - USGS Intermittent Stream/Creek
- Unmapped Water Feature**
- Drainage Ditch (D)
 - Seasonal Watercourse (SEW)

- Wetlands and Waters (No RIWO)**
- USGS Waterbody
 - Channel (C)
 - Drainage Ditch (D)
 - Open Water (OW)
 - Seasonal Watercourse (SEW)
 - Seasonal Wetland (SW)

- Project Impact Areas**
- Access Road
 - Permitted Dirt Road
 - New Access Rd.

- Staging Area/Landing Zone
- Pull Site
- Turnaround Area

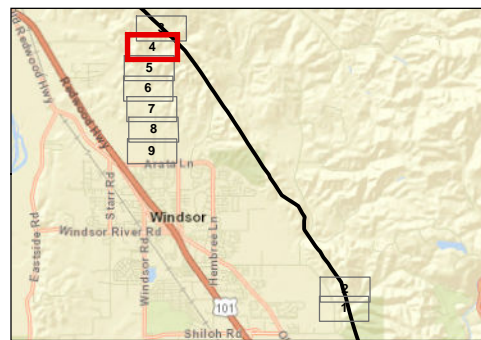


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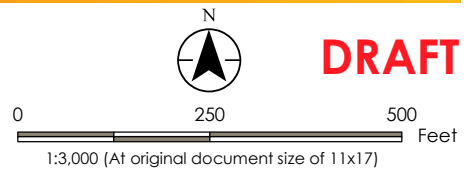
Figure 2: Proposed Watercourse Crossings and Water Features within 50-Foot of Impact Areas
Fulton-Fitch Mountain 60 kV Project
 Sheet 3 of 9

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Water Crossings (WC -#) Public Road Cottonwood Riparian Forest Riparian Coast Live Oak Woodland Project Impact Area within 50 ft. of Jurisdictional Water	Jurisdictional Waters Jurisdictional Water 50 ft. Buffer	ISMND Features Feature Crossings Features within 50 feet of Work Area USGS Perennial Stream/Creek USGS Intermittent Stream/Creek Unmapped Water Feature Drainage Ditch (D) Seasonal Watercourse (SEW)	USGS Waterbody Wetlands and Waters (No RIWO) Channel (C) Drainage Ditch (D) Open Water (OW) Seasonal Watercourse (SEW) Seasonal Wetland (SW)	Project Impact Areas Access Road Permitted Dirt Road New Access Rd.	Staging Area/Landing Zone Pull Site Turnaround Area
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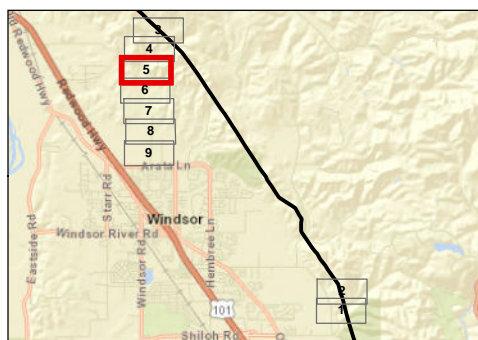
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**Figure 2: Proposed Watercourse Crossings and Water Features within 50-Foot of Impact Areas
Fulton-Fitch Mountain 60 kV Project
Sheet 4 of 9**

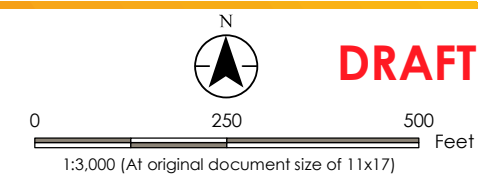
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<ul style="list-style-type: none"> Water Crossings (WC -#) Public Road Cottonwood Riparian Forest Riparian Coast Live Oak Woodland Project Impact Area within 50 ft. of Jurisdictional Water 	<ul style="list-style-type: none"> Jurisdictional Waters Jurisdictional Water 50 ft. Buffer 	<p>ISMND Features</p> <ul style="list-style-type: none"> Feature Crossings Features within 50 feet of Work Area USGS Perennial Stream/Creek USGS Intermittent Stream/Creek <p>Unmapped Water Feature</p> <ul style="list-style-type: none"> Drainage Ditch (D) Seasonal Watercourse (SEW) 	<p>Wetlands and Waters (No RIWO)</p> <ul style="list-style-type: none"> USGS Waterbody Channel (C) Drainage Ditch (D) Open Water (OW) Seasonal Watercourse (SEW) Seasonal Wetland (SW) 	<p>Project Impact Areas</p> <ul style="list-style-type: none"> Access Road Permitted Dirt Road New Access Rd. 	<ul style="list-style-type: none"> Staging Area/Landing Zone Pull Site Turnaround Area
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**Figure 2: Proposed Watercourse Crossings and Water Features within 50-Foot of Impact Areas
Fulton-Fitch Mountain 60 kV Project
Sheet 5 of 9**

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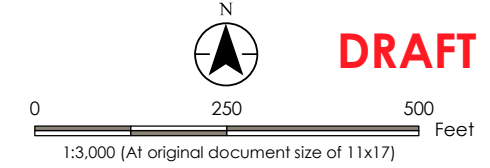
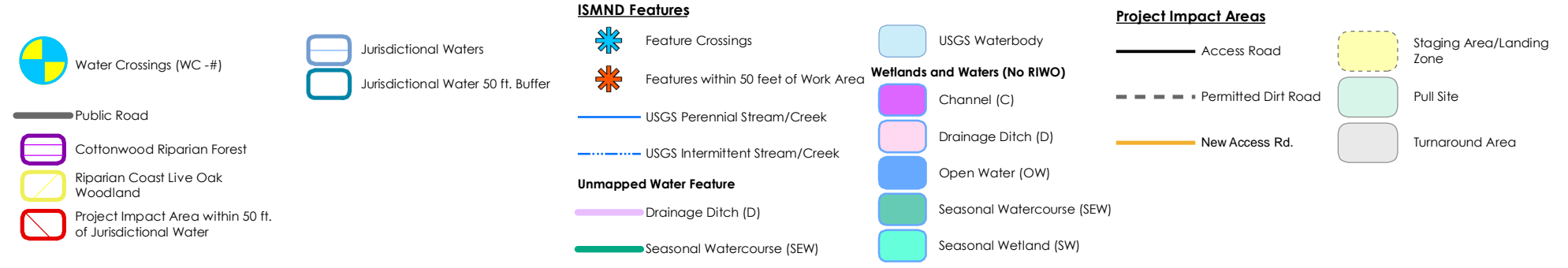
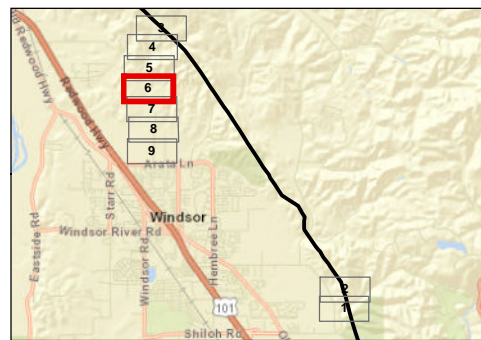


Figure 2: Proposed Watercourse Crossings and Water Features within 50-Foot of Impact Areas
Fulton-Fitch Mountain 60 kV Project
 Sheet 6 of 9

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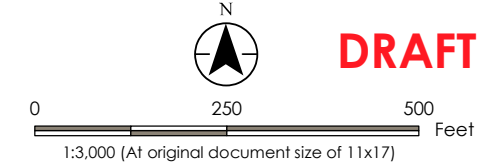
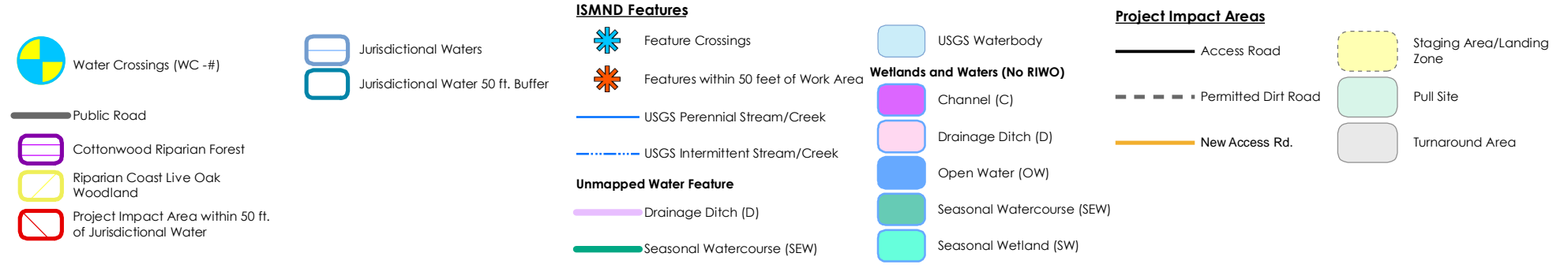
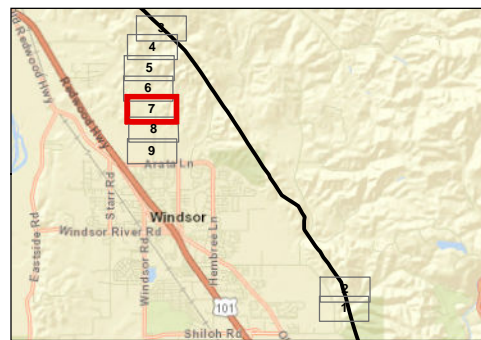
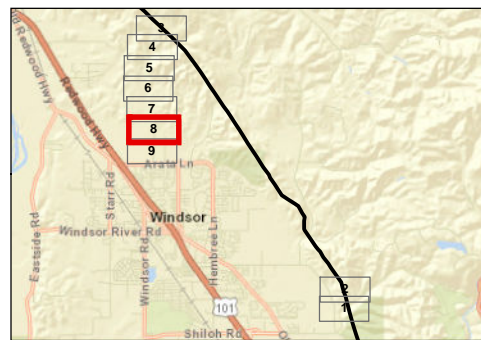


Figure 2: Proposed Watercourse Crossings and Water Features within 50-Foot of Impact Areas
Fulton-Fitch Mountain 60 kV Project
 Sheet 7 of 9

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Water Crossings (WC -#) Public Road Cottonwood Riparian Forest Riparian Coast Live Oak Woodland Project Impact Area within 50 ft. of Jurisdictional Water	Jurisdictional Waters Jurisdictional Water 50 ft. Buffer	ISMND Features Feature Crossings Features within 50 feet of Work Area USGS Perennial Stream/Creek USGS Intermittent Stream/Creek Unmapped Water Feature Drainage Ditch (D) Seasonal Watercourse (SEW)	USGS Waterbody Wetlands and Waters (No RIWO) Channel (C) Drainage Ditch (D) Open Water (OW) Seasonal Watercourse (SEW) Seasonal Wetland (SW)	Project Impact Areas Access Road Permitted Dirt Road New Access Rd.	Staging Area/Landing Zone Pull Site Turnaround Area
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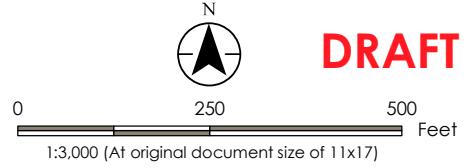
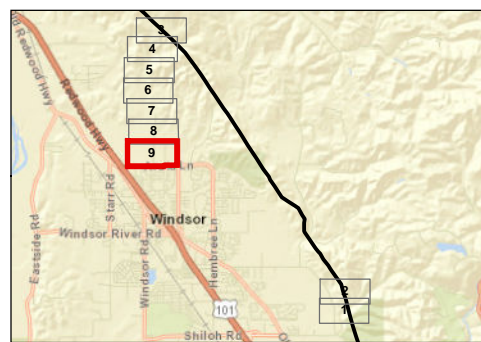


Figure 2: Proposed Watercourse Crossings and Water Features within 50-Foot of Impact Areas
Fulton-Fitch Mountain 60 kV Project
 Sheet 8 of 9

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- Water Crossings (WC -#)
- Public Road
- Cottonwood Riparian Forest
- Riparian Coast Live Oak Woodland
- Project Impact Area within 50 ft. of Jurisdictional Water

- Jurisdictional Waters
- Jurisdictional Water 50 ft. Buffer

ISMND Features

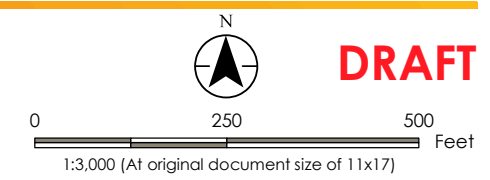
- Feature Crossings
- Features within 50 feet of Work Area
- USGS Perennial Stream/Creek
- USGS Intermittent Stream/Creek
- Unmapped Water Feature**
- Drainage Ditch (D)
- Seasonal Watercourse (SEW)

Wetlands and Waters (No RIWO)

- USGS Waterbody
- Channel (C)
- Drainage Ditch (D)
- Open Water (OW)
- Seasonal Watercourse (SEW)
- Seasonal Wetland (SW)

Project Impact Areas

- Access Road
- Permitted Dirt Road
- New Access Rd.
- Staging Area/Landing Zone
- Pull Site
- Turnaround Area



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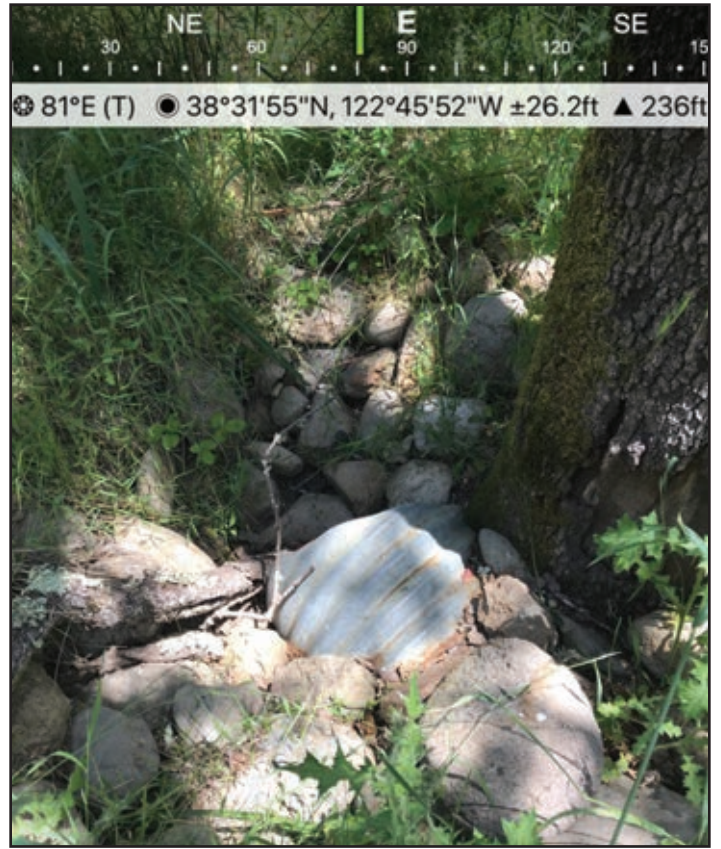
Figure 2: Proposed Watercourse Crossings and Water Features within 50-Foot of Impact Areas
Fulton-Fitch Mountain 60 kV Project
 Sheet 9 of 9

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Attachment A: Photographs of LZ-3 Access Road Water Crossings



Photograph 1.



Photograph 2.



Photograph 3.



Photograph 4.

To:	Dave Thomas Pacific Gas and Electric Company	From:	Tom Davis Stantec Consulting, Inc.
File:	Fulton-Fitch Mountain Reconductoring Project	Date:	May 31, 2018

Reference: Fulton-Fitch Mountain Reconductoring Project: Revised California Red-Legged Frog and Foothill Yellow-Legged Frog Habitat Maps, Staging Areas (Landing Zone 3 and Landing Zone 5)

INTRODUCTION

Pacific Gas and Electric (PG&E) is conducting the Fulton-Fitch Mountain Reconductoring Project (Project) to reinforce the electric transmission and distribution system in Sonoma County by replacing existing conductor (reconductoring) on two power lines pursuant to California Public Utilities Commission (CPUC) General Order (GO) 131-D, Section III.B. PG&E is replacing the conductor on a 9.8-mile-long section of the Fulton-Hopland 60-kilovolt (kV) Power Line (Fulton-Hopland line or 60-kV line) between Fulton Substation and Fitch Mountain Substation. PG&E is also replacing poles along 8 miles of the Fulton-Hopland line, replacing conductor on 1.4 miles of the Geysers #12-Fulton 230-kV Transmission Line (Geysers #12 line or 230-kV line), and making modifications to Fitch Mountain Substation (Figure 1). The project is comprised of two segments: the Southern Segment, which extends from Fulton Substation to Shiloh Ranch Regional Park, and the Northern Segment, which extends between Shiloh Ranch Regional Park and the Fitch Mountain #1 Tap 60-kV Power Line (Fitch Mountain #1 Tap).

Mitigation Measure (MM) Biology – 3 and MM Biology – 4 of the Initial Study/Mitigated Negative Declaration (IS/MND) issued by the CPUC for the project requires that a qualified biologist map suitable habitat for the federally threatened California red-legged frog (*Rana draytonii*, [CRLF]) and the candidate state-threatened foothill yellow-legged frog (*Rana boylei*, [FYLF]) for submittal to the CPUC. In accordance with MM Biology – 3 and – 4, PG&E has prepared this memo, which includes maps and descriptions of suitable habitat for both species.

PG&E plans to start work in two locations—Landing Zone 3 and Landing Zone 5—in June, 2018 (Figure 2). As such, this report covers only those two locations and associated access roads (Access Road 11a, Access Road 42, and Access Road 43). An additional memo will be submitted for the remainder of the Project area prior to work in those locations.

METHODS

Prior to field surveys, the following survey reports were reviewed:

- Results of surveys for the California red-legged frog near the Fulton-Fitch Mountain Reconductoring Project site; Swaim Biological Incorporated; May 6, 2016
- Habitat Assessment for foothill yellow-legged frog (FYLF) for the Fulton-Fitch Mountain Reconductoring Project; Garcia and Associates; May 1, 2017
- Delineation of Waters of the United States for Pacific Gas and Electric Company's Fulton-Fitch Mountain Reconductoring Project, Sonoma County, California; TRC; May 2015

Biologists Margaret Finch and Alan Roseto conducted field surveys on March 19, 20, 21, 22, and 23, 2018. Both Ms. Finch and Mr. Roseto were approved by the CPUC as Qualified Biologists for special-status amphibians on the Project. In accordance with a CPUC request via email dated March 23, 2018, Mr. Roseto peer-reviewed Ms. Finch's survey methods and results prior to their inclusion in this memo. During field surveys, the biologists visited water features mapped previously in the three reports listed above and any new water features encountered within 500-feet of project impact

Reference: Fulton-Fitch Mountain Reconductoring Project: Revised California Red-Legged Frog and Foothill Yellow-Legged Frog Habitat

areas. Biologists assessed whether each water feature provided suitable aquatic habitat for either frog species, defined in MM Biology – 3 and – 4 as the following:

- California red-legged frog aquatic habitat: ponds, creeks, and perennial and seasonal streams within 500 feet of all project disturbance areas and watercourse crossings.
- Foothill yellow-legged frog aquatic habitat: perennial streams with cobble or rock substrate, or seasonal streams with cobble or rock substrate and standing water, or visible moisture in the immediate vicinity within 10 feet of all project disturbance areas and watercourse crossings.

Biologists visually examined and photographed water features and recorded general habitat conditions.

One water feature mapped during the jurisdictional delineation, seasonal watercourse IC-03, was not surveyed due to access restrictions. This feature is located 50 feet west of Access Road 11a. The feature is included as mapped habitat for CRLF, but not as habitat for FYLF (feature is located > 10 feet from project impact areas). A follow-up memo covering the entire project footprint will be submitted 30 days prior to activities in those locations.

RESULTS

No CRLF or FYLF were observed during field surveys. Table 1 provides a summary of water features mapped as suitable aquatic habitat for CRLF and/or FYLF, and corresponding project impact areas that would be subject to the avoidance, minimization, and monitoring procedures outlined in MM Biology – 3 and – 4. Water features included in Table 1 are depicted in Figure 2, and photographs of the features are depicted in Attachment A.

Minor Project Refinement #2 has been submitted separately from this memo, and discusses potential CRLF and FYLF habitat on a new access road to Landing Zone 3.

Table 1 Potentially Suitable Aquatic Habitat for CRLF and FYLF

Water Feature ID	Water Feature Type	Water present?	Species Suitability	Rationale	Impact Areas Subject to CRLF AMMs in BIO – 3 (w/in 500 ft. of feature)	Impact Areas Subject to FYLF AMMs in BIO – 4 (w/in 10 ft. of feature)
RIWO 4	Unnamed Creek	Y	CRLF, FYLF	Perennial Stream with cobble substrate	Landing Zone-3, Access Road 11a	None
IC 03 ¹	Seasonal watercourse	N/A	CRLF, FYLF	Assuming suitability	Access Road 11a	None
Pond 19a	Pond	Y	CRLF	Perennial irrigation pond	Access Road A43 (Hillview Road), Access Road A39. (Access Road A39 is not being used for access to staging area).	None
Pond 19b	Pond	Y	CRLF	Perennial irrigation pond	Access road A43 (Hillview Road),	N/A
Pond 20	Pond	Y	CRLF	Pond	Landing Zone-5, Access Road 42	N/A
Pond 21	Pond	Y	CRLF	Pond	Landing Zone-5, Access Road 42, Access Road 43	N/A
SEW 33	Seasonal watercourse	Y	CRLF, FYLF	Seasonal stream with cobble substrate	Landing Zone-5, Access Road 42, Access Road 43	Access Road 42
SEW 34	Seasonal watercourse	Y	CRLF	Seasonal stream.	Landing Zone-5, Access Road 42	N/A

¹ This water feature, located 50 feet west of Access Road 11a, was not surveyed due to access restrictions. The feature is included as mapped habitat for CRLF, but not as habitat for FYLF (feature is located > 10 feet from project impact areas).

Reference: Fulton-Fitch Mountain Reconductoring Project: Revised California Red-Legged Frog and Foothill Yellow-Legged Frog Habitat

				Minimal to no cobble substrate and not connected to larger water feature.		
RIWO 10	Riparian woodland associated with drainage	Y	CRLF, FYLF	Seasonal stream with cobble substrate	Landing Zone-5, Access Road 42	Access Road 42

CONCLUSION

The water features listed in Table 1 and depicted in Figure 2 were determined to be suitable habitat for CRLF and/or FYLF, as defined in MM Bio – 3 and MM Bio – 4. Avoidance and minimization measures included in these MM's in the IS/MND will be implemented in the relevant project impact areas surrounding these features listed in Table 1. This memo covers only Landing Zone 3 and 5, and associated access roads; an additional memo will be submitted to the CPUC for the remainder of the project site.

REFERENCES

Panorama Environmental, Inc. 2017. Fulton-Fitch Mountain Reconductoring Project Final Initial Study/Mitigated Negative Declaration. State Clearinghouse No. 2017072049.

STANTEC CONSULTING SERVICES INC.

Tom Davis

Senior Biologist/Project Manager

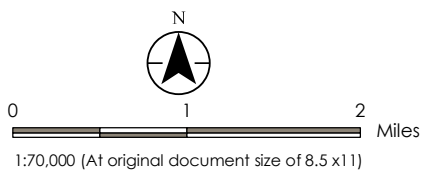
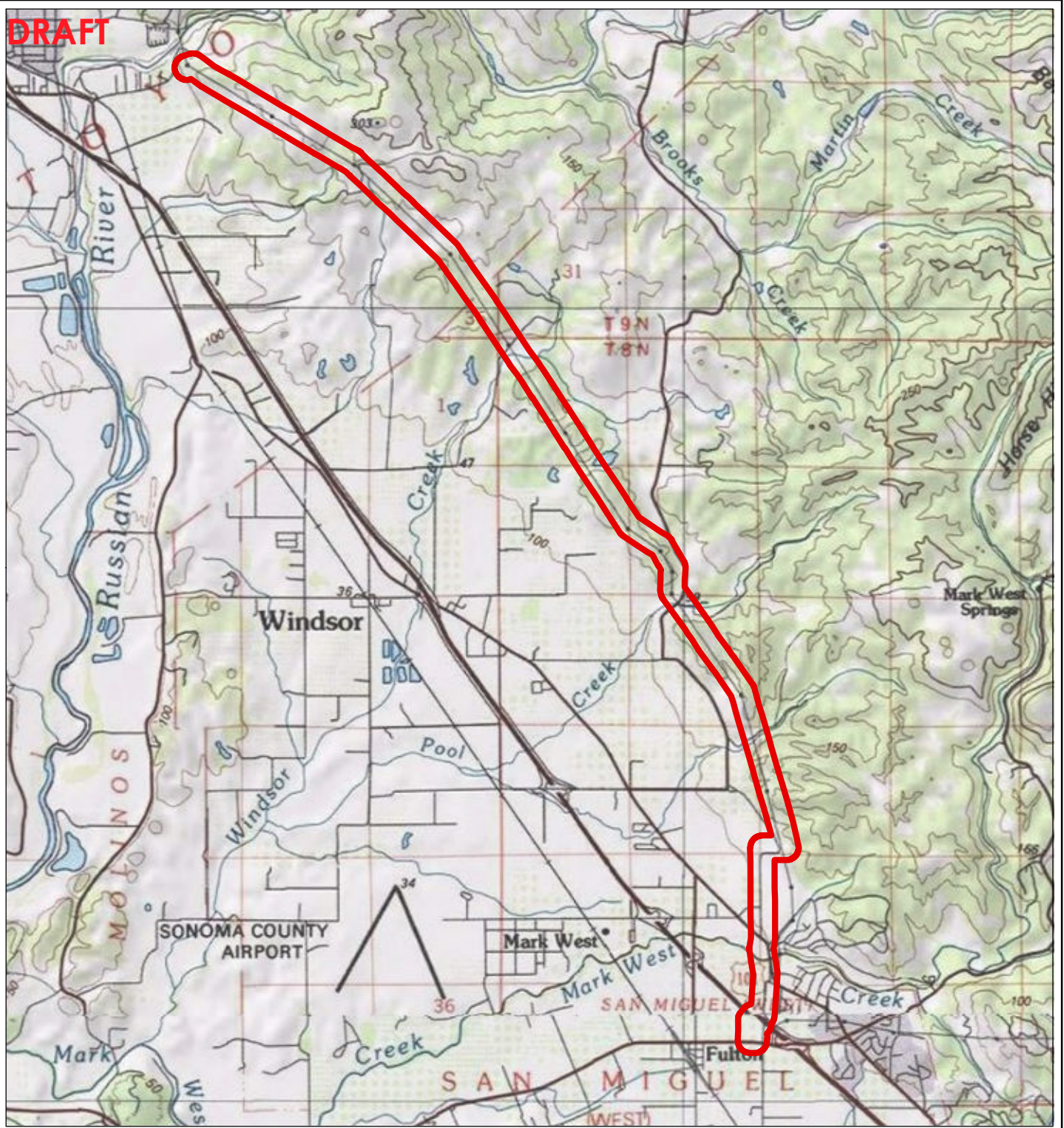
Phone: (415) 509 1842

Thomas.davis@stantec.com

Attachment: Figure 1: Project Vicinity
 Figure 2: California Red-Legged Frog and Foothill Yellow-Legged Frog Suitable Aquatic Habitat
 Figure 3: Photographs of Suitable Aquatic Habitat

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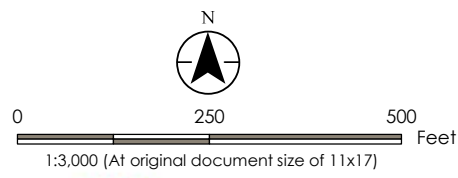
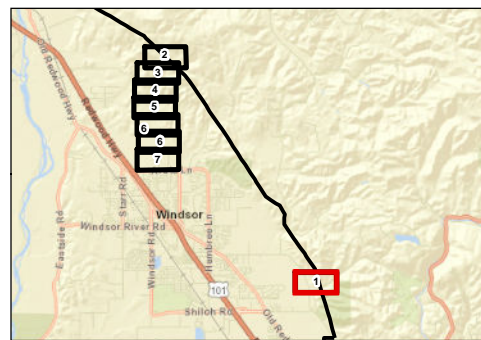


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Legend

 Project Boundary










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-  Frog Habitat - 500-Foot Buffer
-  CRLF Aquatic Habitat
-  FYLF Aquatic Habitat
-  Road
-  Waters and Wetlands

Project Impact Areas

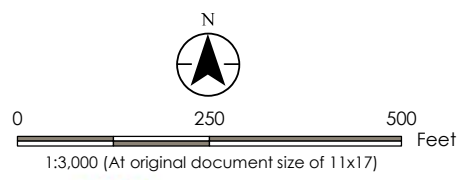
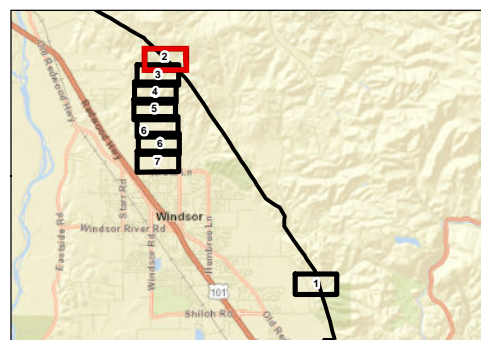
-  Poles
-  Guard Structure
-  Pole Tower/Work Area
-  Pull Site
-  Staging Area/Landing Zone
-  Substation
-  Access Road
-  Permitted Dirt Road
-  Turnaround Area

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**Figure 2: California Red-Legged Frog and Foothill Yellow-Legged Frog Suitable Aquatic Habitat
Fulton-Fitch Mountain 60 kV Project
Sheet 1 of 8**

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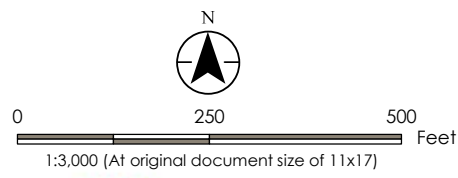
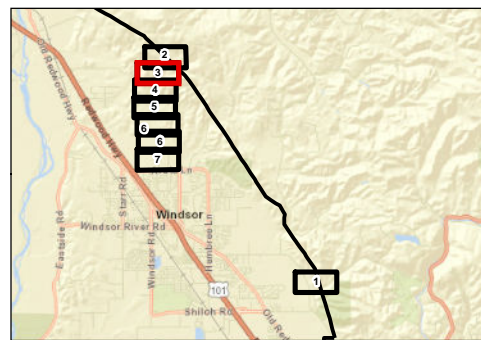
- Frog Habitat - 500-Foot Buffer
- CRLF Aquatic Habitat
- FYLF Aquatic Habitat
- Road
- Waters and Wetlands

Project Impact Areas

- Poles
- Guard Structure
- Pole Tower/Work Area
- Pull Site
- Staging Area/Landing Zone
- Substation
- Access Road
- Permitted Dirt Road
- Turnaround Area

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**Figure 2: California Red-Legged Frog and Foothill Yellow-Legged Frog Suitable Aquatic Habitat
Fulton-Fitch Mountain 60 kV Project
Sheet 2 of 8**



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- FYLF Aquatic Habitat
- Road
- Waters and Wetlands

Project Impact Areas

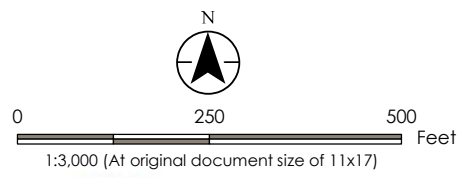
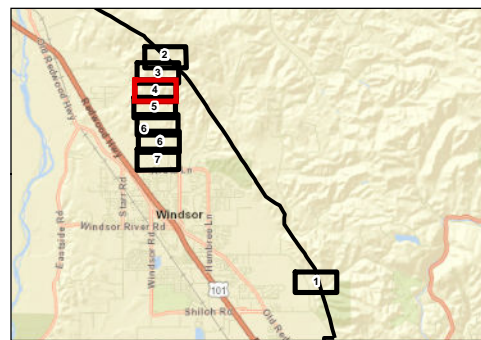
- Poles
- Guard Structure
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- Access Road
- Permitted Dirt Road
- Turnaround Area

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**Figure 2: California Red-Legged Frog and Foothill Yellow-Legged Frog Suitable Aquatic Habitat
Fulton-Fitch Mountain 60 kV Project
Sheet 3 of 8**

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


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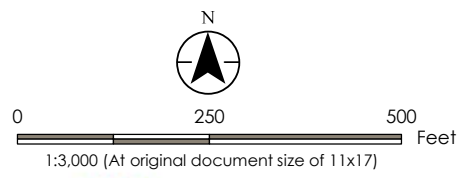
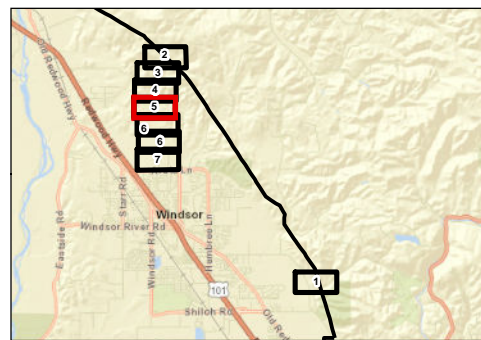
Project Impact Areas

-  Poles
-  Guard Structure
-  Pole Tower/Work Area
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-  Substation
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-  Permitted Dirt Road
-  Turnaround Area

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**Figure 2: California Red-Legged Frog and Foothill Yellow-Legged Frog Suitable Aquatic Habitat
Fulton-Fitch Mountain 60 kV Project
Sheet 4 of 8**

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




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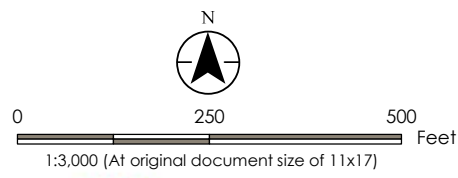
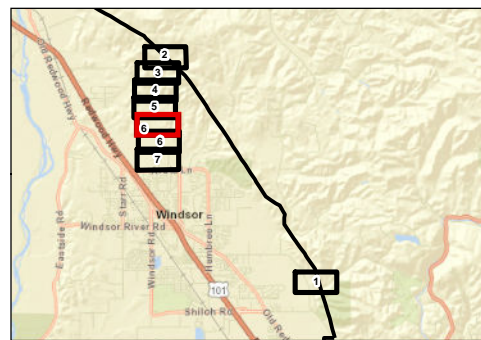
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-  Waters and Wetlands

Project Impact Areas






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


**Figure 2: California Red-Legged Frog and Foothill Yellow-Legged Frog Suitable Aquatic Habitat
Fulton-Fitch Mountain 60 kV Project
Sheet 5 of 8**



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-  FYLF Aquatic Habitat
-  Road
-  Waters and Wetlands

Project Impact Areas

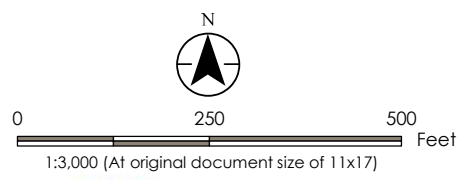
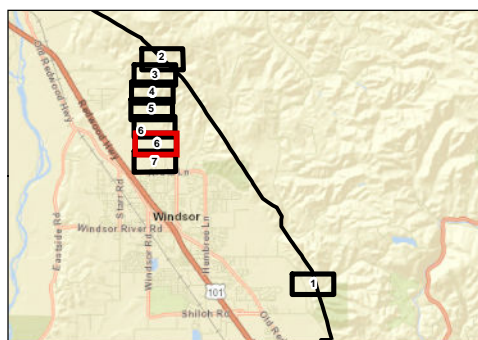
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**Figure 2: California Red-Legged Frog and Foothill Yellow-Legged Frog Suitable Aquatic Habitat
Fulton-Fitch Mountain 60 kV Project
Sheet 6 of 8**

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


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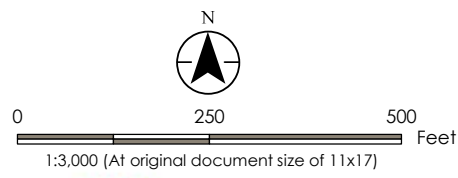
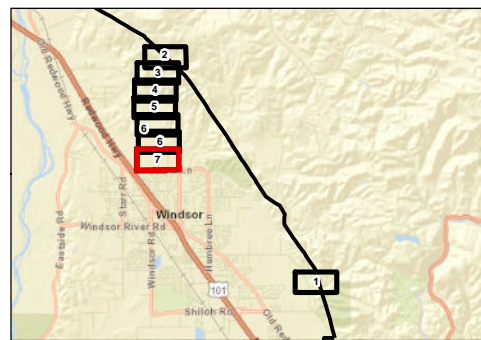
-  Frog Habitat - 500-Foot Buffer
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Project Impact Areas

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Figure 2: California Red-Legged Frog and Foothill Yellow-Legged Frog Suitable Aquatic Habitat Fulton-Fitch Mountain 60 kV Project Sheet 7 of 8



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Figure 2: California Red-Legged Frog and Foothill Yellow-Legged Frog Suitable Aquatic Habitat Fulton-Fitch Mountain 60 kV Project Sheet 8 of 8

Attachment A: Photographs



Photograph 1. Pond 20.



Photograph 2. Pond 21.



Photograph 3. RIWO 4.



Photograph 4. RIWO 4.



Photograph 5. RIWO 10.



Photograph 6. RIWO 10.



Photograph 7. SEW 33.



Photograph 8. SEW 33.



Photograph 9. SEW 34.



Photograph 10. SEW 34.



To: Dave Thomas
Pacific Gas and Electric Company

From: Sheryl Creer
Stantec Consulting, Inc.

File: Fulton-Fitch Mountain Reconductoring Project

Date: May 30, 2018

Reference: Fulton-Fitch Mountain Reconductoring Project: Revised Pre-Construction Vegetation Memo for Staging Areas (Landing Zone 3 and Landing Zone 5).

INTRODUCTION

Pacific Gas and Electric (PG&E) is conducting the Fulton-Fitch Mountain Reconductoring Project (Project) to reinforce the electric transmission and distribution system in Sonoma County by replacing existing conductor (reconductoring) on two power lines pursuant to California Public Utilities Commission (CPUC) General Order (GO) 131-D, Section III.B. PG&E is replacing the conductor on a 9.8-mile-long section of the Fulton-Hopland 60-kilovolt (kV) Power Line (Fulton-Hopland line or 60-kV line) between Fulton Substation and Fitch Mountain Substation. PG&E is also replacing poles along 8 miles of the Fulton-Hopland line, replacing conductor on 1.4 miles of the Geysers #12-Fulton 230-kV Transmission Line (Geysers #12 line or 230-kV line), and making modifications to Fitch Mountain Substation (Figure 1). The project is comprised of two segments: the Southern Segment, which extends from Fulton Substation to Shiloh Ranch Regional Park, and the Northern Segment, which extends between Shiloh Ranch Regional Park and the Fitch Mountain #1 Tap 60-kV Power Line (Fitch Mountain #1 Tap).

Mitigation Measure (MM) Biology – 7 of the Final Initial Study/Mitigated Negative Declaration (IS/MND) issued by the CPUC for the Project requires the preparation of a Revegetation, Restoration, and Monitoring Plan and includes parameters for performance standards, monitoring procedures, and reporting. In accordance with Mitigation Measures Biology – 7, PG&E has prepared this Pre-Construction Vegetation Report for the Project. This report includes documentation and quantification of baseline vegetation conditions in the anticipated project impact areas. Documentation of vegetation conditions in adjacent areas that will be used as a control for post-construction monitoring are also included in this report.

PG&E plans to start work in two locations—Landing Zone 3 and Landing Zone 5—in early May, 2018 (Figure 2). As such, this report covers only those two locations and associated access roads (Access Road 11a, Access Road 42, and Access Road 43).

EXISTING CONDITIONS

Surveys to map vegetation within the project area were conducted in 2011 and 2012, as reported in the IS/MND, and in 2017 to support the rare plant survey report. The survey area, which encompasses approximately 477.5 acres, is defined as a 500-foot wide corridor extending 250-feet on either side of the project alignment. Access routes and landing zones/staging areas located outside of the project alignment were also surveyed. All communities—excluding Mixed North Slope Cismontane Woodland—in the natural/semi-natural category are classified following nomenclature in the Manual of California Vegetation, 2nd Edition (MCV2) (Sawyer et. al, 2009). One community, Mixed North Slope Cismontane Woodland, is not recognized in the MCV2. However, all communities were mapped to the extent necessary to determine presence or absence of sensitive natural communities (i.e. no sensitive natural communities have been subsumed into this vegetation type) (Sandomire pers. communication, 2018). Detailed descriptions of each land cover type are provided in the project Revegetation, Restoration, and Monitoring Plan, Attachment A.

METHODS

The methods for this survey are outlined in the Revised Revegetation, Restoration, and Monitoring Plan prepared for the Project (Stantec, 2018).

RESULTS

A summary of impacts by vegetation type is provided in Table 2, and detailed information for each vegetated impact area are included in Table 3. No special-status plant species or sensitive natural communities were detected in Landing Zone 3, Landing Zone 5, or their associated access roads.

Table 1: Summary of Impacts to Vegetation

Vegetation Community	Impacts (acres)
	Temporary
Non-Native Grassland	14.4

Table 2: Vegetation Impacts and Baseline Conditions by Location

Impact Location	Vegetation Community	Dominant Species	Native Herbs/Forbs Percent Cover	Total Percent Cover	Noxious Weed Species	Noxious Weed Percent Cover	Impact Area (acres)	Comments
Landing Zone (LZ)-3 (Shiloh Road)	Non-native Grassland	<i>Bromus diandrus</i> (ripgut brome), 25% <i>Sisyrinchium bellum</i> (Blue-eyed grass), 15% <i>Avena fatua</i> (wild oat), 20%	22%	67%	Ripgut brome <i>Carduus pycnocephalus</i> (Italian thistle)	26%	7.6	Although the vegetation community at LZ-3 is classified as Non-native Grassland, approximately 10 oak trees are present, scattered throughout. Should any individual <i>Quercus lobata</i> (Valley oak) individuals be removed, they will be documented and replaced in accordance with APM BIO-10 from the IS/MND.
Adjacent Area (AA)-31 (corresponds to LZ-3)	Non-native Grassland	wild oat, 30% ripgut brome, 20% blue-eyed grass, 10%	10%	67%	Italian thistle Ripgut brome	21%	N/A	None.
Access Route (AR)-11a (unpaved)	Developed, bare dirt	N/A	N/A	0%	N/A	N/A	N/A	No trimming of adjacent vegetation is anticipated.
LZ-5	Non-native Grassland	<i>Festuca perennis</i> (Italian rye grass), 30% wild oat, 35% <i>Vicia sativa</i> (spring vetch), 25%	3%	95%	<i>Festuca arundinacea</i> (reed fescue) <i>Hirschfeldia incana</i> (short-pod mustard) <i>Rubus armeniacus</i> (Himalayan blackberry)	13%	6.8	None.

					<i>Phalaris aquatica</i> (Harding grass)			
AA-72 (corresponds to LZ-5)	Non-native Grassland	Italian rye grass, 30% wild oat, 25% <i>Bromus. hordeaceus</i> (soft chess), 30%	3%	88%	Short-pod mustard	3%	N/A	None
AR-42	Developed, bare dirt	N/A	N/A	0%	N/A	N/A	N/A	No trimming of adjacent vegetation is anticipated.
AR-43	Developed, bare dirt	N/A	N/A	0%	N/A	N/A	N/A	No trimming of adjacent vegetation is anticipated.

REFERENCES

Garcia and Associates. 2017. Rare Plant Survey Report.

Panorama Environmental, Inc. 2017. Fulton-Fitch Mountain Reconductoring Project Final Initial Study/Mitigated Negative Declaration. State Clearinghouse No. 2017072049.

Sandomire, Molly. 2018. Personal communication. March 8, 2018 via email.

Sawyer, John O., Keeler-Wolf, Todd, and Evens, Julie M. 2009. A Manual of California Vegetation. Second Edition. California Native Plant Society, Sacramento, California.

Stantec Consulting Services, Inc. 2018. Revegetation, Restoration, and Monitoring Plan, Fulton-Fitch Mountain Reconductoring Project. Revised May 30, 2018.

STANTEC CONSULTING SERVICES INC.



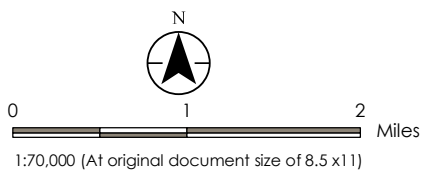
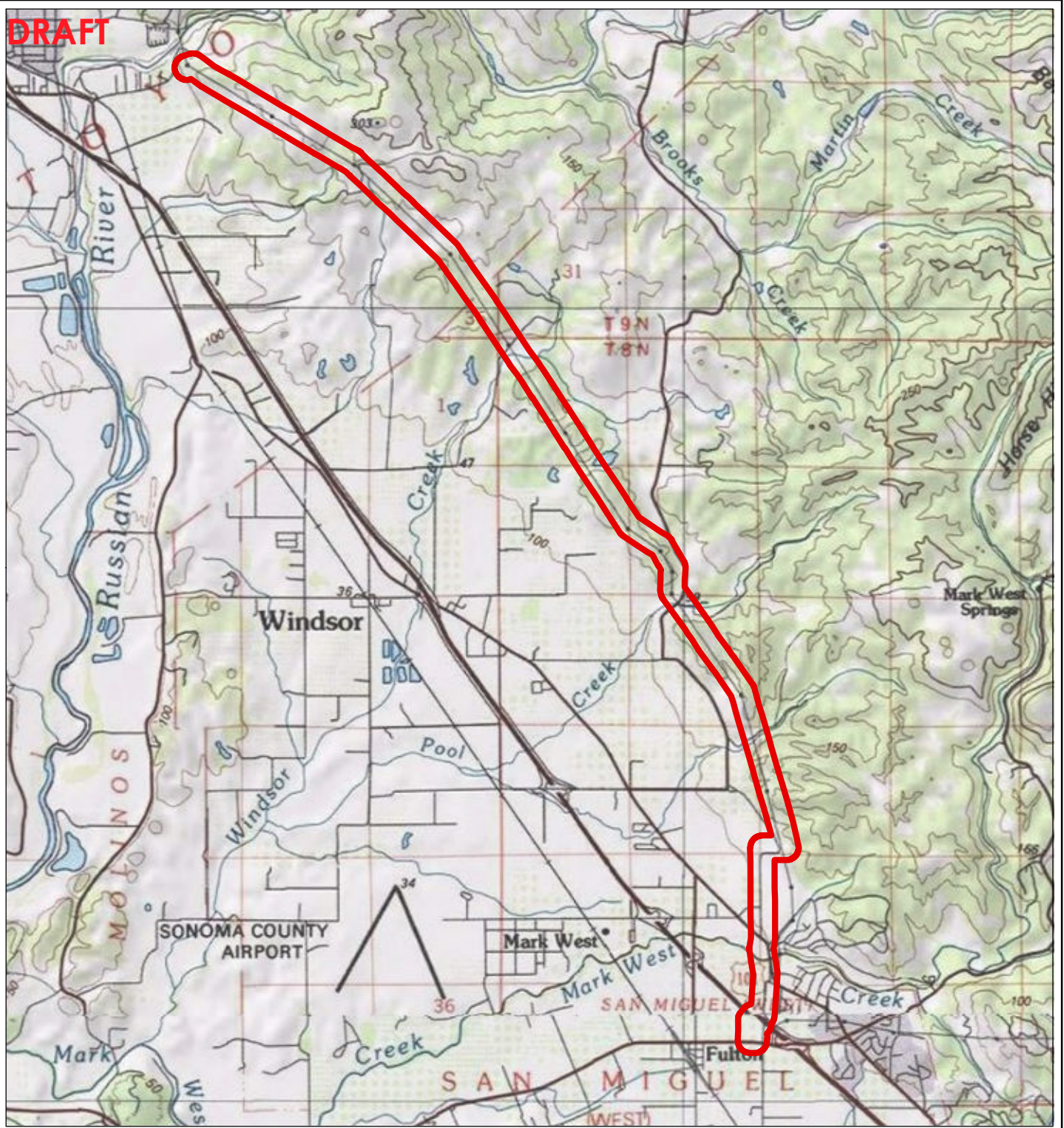
Sheryl Creer
Botanist

Phone: (415) 205-0270
Sheryl.creer@stantec.com

Attachment: Figure 1: Project Vicinity
 Figure 2: Vegetation Communities
 Figure 3: Photographs

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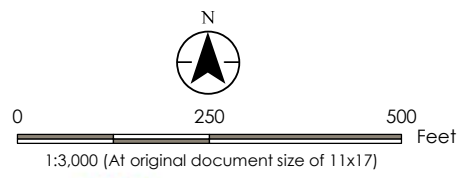
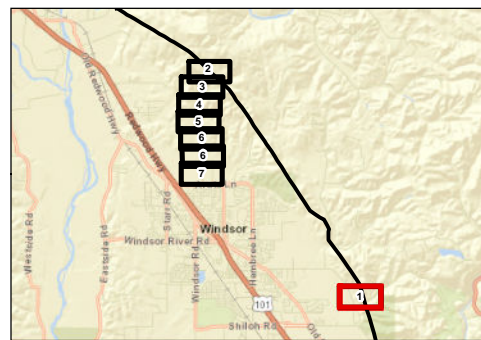


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Legend






 Project Boundary





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Project Impact Areas

-  Poles
-  Guard Structure
-  Substation
-  Access Road
-  Permitted Dirt Road

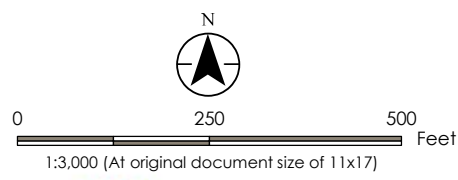
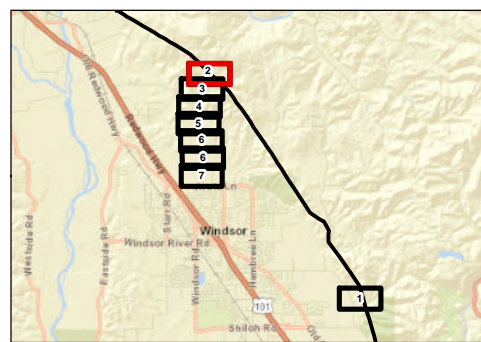
-  Staging Area/Landing Zone
-  Pole Tower/Work Area
-  Pull Site
-  Turnaround Area

Vegetation Communities

-  Developed
-  Non-Native Grassland






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
**Figure 2: Preconstruction Vegetation
Fulton-Fitch Mountain 60 kV Project
Sheet 1 of 8**





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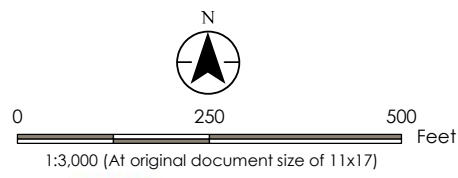
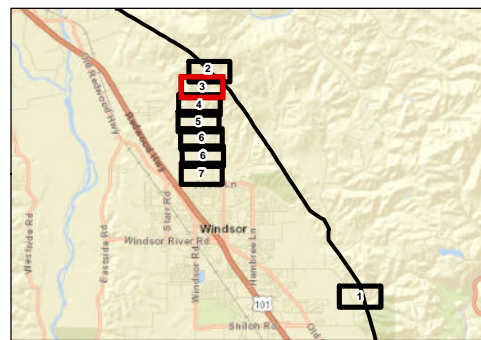
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Vegetation Communities

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**Figure 2: Preconstruction Vegetation
Fulton-Fitch Mountain 60 kV Project
Sheet 2 of 8**



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Project Impact Areas

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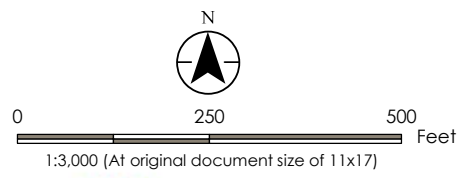
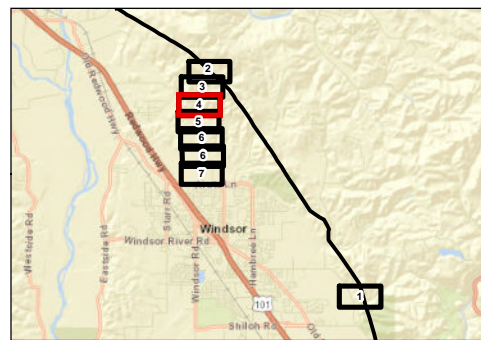
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Vegetation Communities

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- Non-Native Grassland






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
**Figure 2: Preconstruction Vegetation
Fulton-Fitch Mountain 60 kV Project
Sheet 3 of 8**





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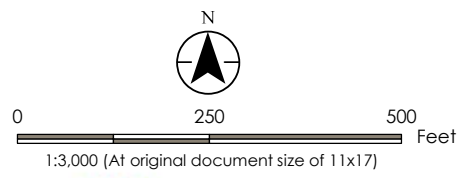
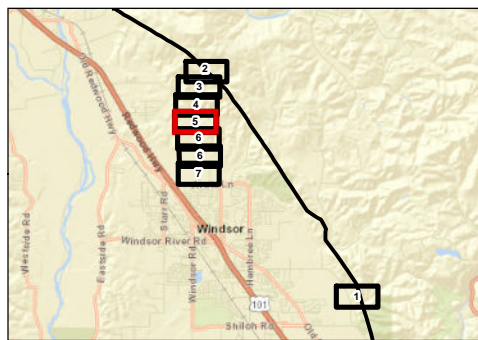
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Vegetation Communities

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**Figure 2: Preconstruction Vegetation
Fulton-Fitch Mountain 60 kV Project
Sheet 4 of 8**



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Project Impact Areas

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- ⊕ Guard Structure
- Substation
- Access Road
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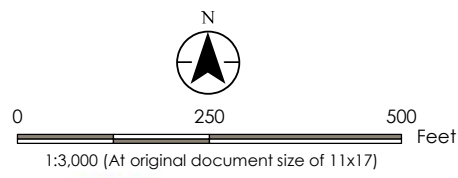
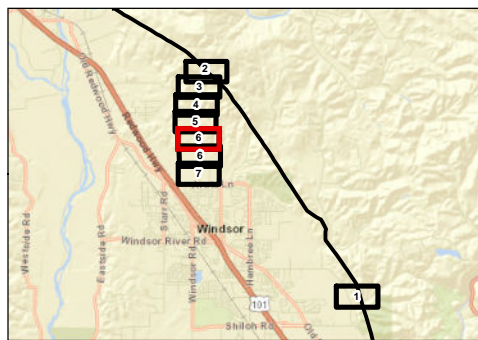
- Staging Area/Landing Zone
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- Pull Site
- Turnaround Area

Vegetation Communities

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- Non-Native Grassland






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
**Figure 2: Preconstruction Vegetation
Fulton-Fitch Mountain 60 kV Project
Sheet 5 of 8**





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Project Impact Areas

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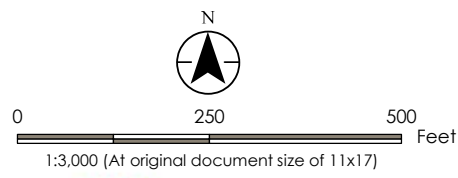
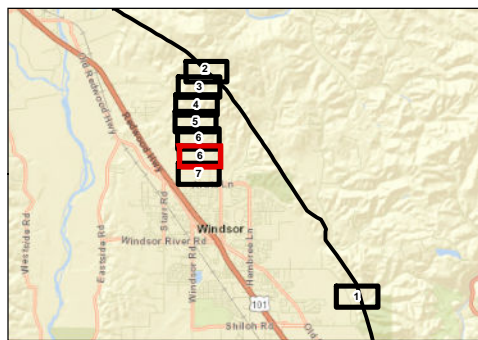
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Vegetation Communities

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
**Figure 2: Preconstruction Vegetation
Fulton-Fitch Mountain 60 kV Project
Sheet 6 of 8**





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Project Impact Areas

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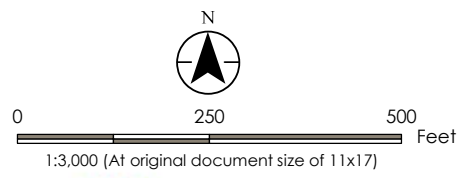
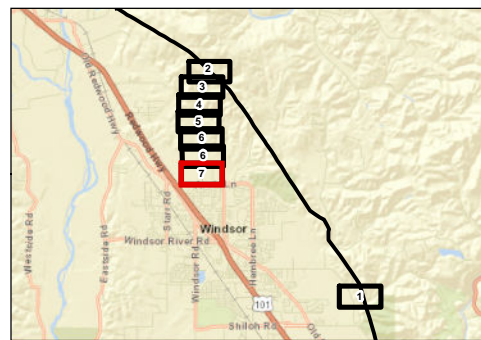
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-  Pole Tower/Work Area
-  Pull Site
-  Turnaround Area

Vegetation Communities

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-  Non-Native Grassland

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**Figure 2: Preconstruction Vegetation
Fulton-Fitch Mountain 60 kV Project
Sheet 7 of 8**



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Project Impact Areas

- Poles
- ⊕ Guard Structure
- Substation
- Access Road
- - - Permitted Dirt Road

- Staging Area/Landing Zone
- Pole Tower/Work Area
- Pull Site
- Turnaround Area

Vegetation Communities

- Developed
- Non-Native Grassland

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**Figure 2: Preconstruction Vegetation
Fulton-Fitch Mountain 60 kV Project
Sheet 8 of 8**

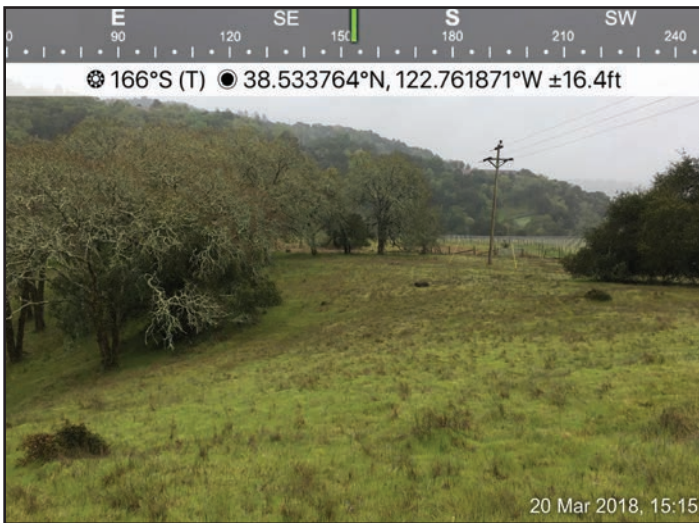
Attachment 3: Photographs



Photograph 1. LZ-3.



Photograph 2. LZ-3.



Photograph 3. LZ-3.



Photograph 4. LZ-3.



Photograph 5. LZ-3.



Photograph 6. LZ-3.

Attachment 3: Photographs



Photograph 7. LZ-3.



Photograph 8. LZ-3.



Photograph 9. LZ-5.



Photograph 10. LZ-5.



Photograph 11. LZ-5.



Photograph 12. LZ-5.

Attachment 2: CPUC Review of Pre-Construction Requirements for NTP #1

FULTON-FITCH MOUNTAIN RECONDUCTING PROJECT

Review of Pre-construction Requirements for NTP #1

Updated: June 14, 2018

REQUIREMENT TRACKING TABLES

Table 1 Permits and Authorizations Tracking

Permit/Authorization	Purpose and Authority	Requirement Sources	Timing and Submittal Requirements	Review/Coordination ^a		Status
				Submitted	Approved	
Required Prior to All Construction Activities						
CPUC Permit to Construct (PTC)	CPUC authorization to construct the project <i>CPUC General Order (GO) 131-D, Section III.B</i>	MMCRP	PG&E obtained a PTC from CPUC (as issued through the CPUC Proceeding Decision).	CPUC: 12/3/15	CPUC: 12/14/17; 4/26/18	Complete On 1/12/18, PG&E submitted an Application for Rehearing of the Decision to address language in the CPUC’s original decision regarding GO 95. PG&E’s application was denied, and the original Decision was amended.
			*PG&E shall submit any requests for Minor Project Refinements (MPRs) or Petition for Modifications (PFMs), as needed, prior to deviating from the CPUC-approved project.	CPUC: Ongoing	CPUC: Ongoing	Ongoing MPR #1 (Staging Area LZ-5); approved with NTP #1 MPR #2 (access road to LZ-3); pending review
State Water Resources Control Board (SWRCB) General Permit	Permit for discharging stormwater associated with construction and land disturbance activities of one acre or more <i>Order No. 2009-0009-DWQ, as amended by 2010-0014-DWQ and 2012-0006-DWQ</i> The General NPDES Permit requires preparation and implementation of a Stormwater Pollution Prevention Plan (SWPPP) (refer to Table C-2)	MM Hydrology-1: SWPPP Development and Implementation MM Hydrology-2: SWPPP Monitoring Program	PG&E shall submit Permit Registration Documents (PRDs) (e.g., Notice of Intent [NOI], etc.) once obtained from the SWRCB.	SWRCB: Pending CPUC: Pending	SWRCB: Pending CPUC: Pending	Pending – Condition of Approval #5 Draft PRDs were submitted during the SWPPP review and approval process. PG&E must submit final PRDs to CPUC once the SWPPP is uploaded to the SMARTS website and permit coverage begins.
			PG&E shall submit all Notice of Termination (NOT) forms to CPUC once SWPPP requirements have been met and permit coverage has ended.	SWRCB: Pending CPUC: Pending	SWRCB: Pending CPUC: Pending	Pending The pending requirements are not applicable to NTP #1.
Required Prior to Specific Construction Activities						
Federal Aviation Administration (FAA) Notice of Proposed Construction or Alteration	Regulations apply to poles and conductor over 200 feet in height above ground level or within certain proximities to local airports <i>Federal Aviation Regulations (FAR) and Code of Federal Regulations (CFR) Part 77</i>	Consistency with impact analysis in IS/MND	An initial Notice (Form 7460) and FAA determination were completed; however, a revised notice must be submitted within 45 days of construction. PG&E shall submit a final Notice to FAA and provide a copy of the Notice and FAA determination to CPUC once obtained.	FAA: 2/6/18 CPUC: 2/8/16	FAA: 2/6/18 CPUC: 2/8/16	Partially Complete FAA determination of no hazard is complete for the poles identified in the Final IS/MND. Filing of FAA Form 7460-2, Part 2 pending (due within 5 days after construction reaches its greatest height). Additional FAA notification would be required if major pole changes occur. These pending requirements are not applicable to NTP #1.
FAA Congested Area Plan for External Helicopter Loads	Regulations for carrying external helicopter loads in congested areas (e.g., residential areas) <i>Title 14 Code of Federal Regulations (CFR) Part 133</i>	MM Traffic-2: Overhead Construction Safety	PG&E shall submit the Plan for FAA approval prior to conducting helicopter activity in congested areas , and submit a copy of the approved plan to CPUC.	FAA: Pending CPUC: Pending	FAA: Pending CPUC: N/A	Pending These pending requirements are not applicable to NTP #1.
California Department of Transportation (Caltrans) Standard Encroachment Permit	Use of California state highways for purposes other than normal transportation, including construction activities completed within the Caltrans right-of-way (ROW) <i>Section 660 of the California Streets and Highways Code</i>	MM Traffic-1: Construction Traffic Management MM Traffic-3: Roadway Damage	PG&E shall acquire the permit and provide a copy to CPUC prior to work within the US 101 ROW.	Caltrans: Pending CPUC: Pending	Caltrans: Pending CPUC: N/A Pending	Pending These pending requirements are not applicable to NTP #1.

REQUIREMENT TRACKING TABLES

Permit/Authorization	Purpose and Authority	Requirement Sources	Timing and Submittal Requirements	Review/Coordination ^a		Status
				Submitted	Approved	
Caltrans Transportation Permit	Movement of oversized or excessive load vehicles on the state transportation network <i>California Vehicle Code</i>	MM Traffic-1: Construction Traffic Management MM Traffic-3: Roadway Damage	PG&E shall acquire the permit and provide a copy to CPUC prior to transportation of oversized equipment on the state transportation network.	Caltrans: Pending CPUC: Pending	Caltrans: Pending CPUC: N/A	Pending - Condition of Approval #6
Sonoma County Building Permit	Constructing structures associated with the Fitch Mountain Substation <i>Sonoma County Code of Ordinances, Chapter 7 Building Regulations, Section 7-5</i>	MMCRP	PG&E shall acquire the permit and provide copy to CPUC prior to constructing the Fitch Mountain Substation.	County: Pending CPUC: Pending	County: Pending CPUC: N/A	Pending These pending requirements are not applicable to NTP #1.
Sonoma County Encroachment Permit	Construction activities within Sonoma County roadways not covered by existing franchise agreements <i>Sonoma County Code of Ordinances, Chapter 7 Building Regulations, Article III</i>	MM Traffic-1: Construction Traffic Management MM Traffic-3: Roadway Damage	PG&E shall acquire the permit and provide a copy to CPUC prior to work within County roadways.	County: Pending CPUC: Pending	County: Pending CPUC: N/A	Pending These pending requirements are not applicable to NTP #1.
Sonoma County Transportation Permit	Movement of oversized or excessive load vehicles on the County transportation network <i>Sonoma County Code of Ordinances, Chapter 15 Highways, Roads and Bridges, Article II</i>	MM Traffic-1: Construction Traffic Management MM Traffic-3: Roadway Damage	PG&E shall acquire the permit and provide a copy to CPUC prior to transportation of oversized equipment on the County transportation network.	County: Pending CPUC: Pending	County: Pending CPUC: N/A	Pending - Condition of Approval #7
Required Following Specific Discoveries/Determinations						
*United States (U.S.) Army Corps of Engineers (USACE) Section 404 Nationwide Permit	Work in waters of the U.S., including wetlands <i>Section 404 of the Clean Water Act</i>	MM Biology-11: Wetland Mitigation MM Hydrology-4: Watercourse Avoidance and Crossing Plan	*PG&E shall acquire a permit and provide a copy to CPUC prior to impacting waters of the U.S., including wetlands.	*USACE: TBD *CPUC: TBD	*USACE: TBD *CPUC: N/A	TBD These potential requirements are not applicable to NTP #1.
*U.S. Fish and Wildlife Service (USFWS) Section 10 Incidental Take Permit	Regulates impacts on federally-listed, threatened, or endangered plants and animals, and the habitats upon which they depend. <i>Section 10 of the Endangered Species Act</i>	AMP BIO-7: California Tiger Salamander MM Biology-2: Special-status Plants MM Biology-3: California Red-legged Frog	*PG&E shall acquire permits and provide copies to CPUC prior to any incidental take of federally-listed species or federally-protected habitat.	*USACE: TBD *CPUC: TBD	*USFWS: TBD *CPUC: N/A	TBD No special-status species have been identified in project areas to date. PG&E would be required to obtain the necessary permits if special-status species are discovered during pre-construction surveys or during construction clearances. PG&E's Bay Area Habitat Conservation Plan completed in December 2017 would be applied for select species covered by the plan, including California red-legged frog. These potential requirements are not applicable to NTP #1.
*RWQCB Section 401 Water Quality Certification	Consistency with state water quality standards, prior to issuance of a USACE Section 404 Permit. <i>Section 401 of the Clean Water Act</i>	MM Biology-11: Wetland Mitigation MM Hydrology-4: Watercourse Avoidance and Crossing Plan	*PG&E shall obtain a 401 Permit prior to obtaining a Section 404 Permit from USACE, and provide a copy of the permits to CPUC prior to impacting waters of the U.S.	*RWQCB: TBD *CPUC: TBD	*RWQCB: TBD *CPUC: N/A	TBD These potential requirements are not applicable to NTP #1.

REQUIREMENT TRACKING TABLES

Permit/Authorization	Purpose and Authority	Requirement Sources	Timing and Submittal Requirements	Review/Coordination ^a		Status
				Submitted	Approved	
*California Department of Fish and Wildlife (CDFW) Lake and Streambed Alteration Agreement	Regulates activities that affect waters of the state, including the bed or bank of such features <i>Fish and Game Code Section 1602</i>	MM Hydrology-4: Watercourse Avoidance and Crossing Plan	*PG&E shall acquire any permit and provide a copy to CPUC prior to impacting waters of the state.	*CDFW: TBD *CPUC: TBD	*CDFW: TBD *CPUC: N/A	TBD These potential requirements are not applicable to NTP #1.
*CDFW Section 2081(b) Incidental Take Permits or Consistency Determination	Impacts on state-listed, threatened, or endangered species, and the habitats upon which they depend <i>Fish and Game Code Section 2081(b)</i>	AMP BIO-7: California Tiger Salamander APM BIO-8: American Badger APM BIO-9: Western Pond Turtle MM Biology-2: Special-status Plants MM Biology-4: Foothill Yellow-legged Frog	*PG&E shall acquire any permits and provide copies to CPUC prior to any incidental take of state-listed species or state-protected habitat.	*CDFW: TBD *CPUC: TBD	*CDFW: TBD *CPUC: N/A	TBD No special-status species have been identified in project areas to date. PG&E would be required to obtain the necessary permits if special-status species are discovered during pre-construction surveys or during construction clearances. These potential requirements are not applicable to NTP #1.
*Sonoma County culvert design approval	Requirements regarding the design of culverts that could impede flood water <i>Sonoma County Flood Control Design Criteria</i>	MM Hydrology-5: Culvert Design	PG&E shall acquire the permit and provide a copy to CPUC prior to modifying or installing culverts.	*County: Pending *CPUC: Pending	*County: Pending *CPUC: N/A	TBD *PG&E no longer anticipates a need for culvert installation or replacement.

Notes:
^a All project permits, and authorizations provided by other agencies, must be submitted to CPUC. CPUC reserves the right to review and comment on the accuracy and adequacy of project permits and authorizations, if necessary.
 * Requirements marked with an asterisk are only applicable under specified conditions.

Table 2 Plans Tracking

Plan	Requirement Sources	Timing and Submittal Requirements	Review/Coordination ^a		Status
			Submitted	Approved	
Required Prior to All Construction Activities					
Worker Environmental Awareness Program (WEAP) Training Materials (also referred to as the Environmental Training Program [ETP])	APM BIO-1a: Environmental Awareness Training MM Biology-10: Sudden Oak Death Procedures MM Cultural-2: Cultural Resource Training MM Hazards-1: Hazardous Materials Procedures and Worker Training MM Hazards-2: Construction Fire Prevention Plan APM PAL-2: Worker Environmental Awareness Training	PG&E shall submit all ETP materials to CPUC for review and approval no less than 30 days before construction.	CPUC: 5/30/18	CPUC: 6/8/18	Partially Complete - Condition of Approval #8 CPUC approved the supervisor level training presentation (Tracking # WT-01.2). Final content from the Construction Fire Prevention Plan must be incorporated into the training materials. Copies of the final training pamphlets must be provided if such materials will be used in lieu of the presentation materials approved by CPUC.

REQUIREMENT TRACKING TABLES

Plan	Requirement Sources	Timing and Submittal Requirements	Review/Coordination ^a		Status
			Submitted	Approved	
Revegetation, Restoration, and Monitoring Plan	MM Biology-7: Revegetation, Restoration, and Monitoring Plan	PG&E shall submit the plan to the CPUC for review and approval no less than 60 days before construction.	CPUC: 3/5/18	CPUC: 6/13/18	Complete Tracking # P-01.2
Stormwater Pollution Prevention Plan (SWPPP)	MM Hazards-1: Hazardous Materials Procedures and Worker Training MM Hydrology-1: SWPPP Development and Implementation MM Hydrology-2: SWPPP Monitoring Program	A Qualified SWPPP Developer (QSD) shall prepare a SWPPP for the project in accordance with the SWRCB General Permit (refer to Table C-1). PG&E shall submit the SWPPP to the CPUC for review and comment no less than 30 days prior to construction.	CPUC: 5/8/18	CPUC: 6/11/18	Complete Tracking # P-04.3 Final PRDs for the Construction General Permit must also be submitted to CPUC once the plan is finalized (refer to Table 1).
Required Prior to Specific Construction Activities					
Construction Fire Prevention Plan	MM Hazards-2: Construction Fire Prevention Plan	PG&E shall submit the plan to CPUC for review and approval at least 30 days prior to construction within the Northern Segment.	CPUC: 4/20/18	CPUC: 6/14/18	Complete Tracking # P-02.3
Watercourse Avoidance and Crossing Plan	MM Biology-11: Wetland Mitigation MM Hydrology-1: SWPPP Development and Implementation MM Hydrology-4: Watercourse Avoidance and Crossing Plan	PG&E shall prepare a Seasonal Watercourse Avoidance and Crossing Plan and submit the plan to the CPUC no less than 60 days prior to use or construction of surface water crossings or work within 50 feet of surface water resources.	CPUC: 4/20/18	CPUC: *Final Pending	Partially Complete An abbreviated version of the plan (memo) was accepted that addresses water features within 50 feet of work areas covered under NTP #1. The memo is adequate for NTP #1; however, the full project plan must be completed per CPUC's comments prior to further NTP authorization.

Notes:

^a All project Plans required by other agencies must be submitted to CPUC. CPUC reserves the right to review and comment on the accuracy and adequacy of all project Plans, if necessary.

* Requirements marked with an asterisk are only applicable under specified conditions.

Table 3 Notifications Tracking

Notification	Entities to Notify	Requirement Sources	Timing and Submittal Requirements	Review/Coordination ^a		Status
				Submitted	Approved	
Required Prior to All Construction Activities						
Post signs with dust complaint information	Public	APM AIR-1: Fugitive Dust Emissions MM Noise-1: General Construction Noise	PG&E shall install a publicly visible sign at work areas where grading/blading and helicopter activities occur near public and residential areas prior to grading/blading and helicopter activities.	CPUC: 1/24/18	CPUC: 1/24/18	Partially Complete The draft signs were approved by CPUC. Signs must be posted immediately prior to the initiation of work at staging areas. These pending requirements are not applicable to NTP #1.

REQUIREMENT TRACKING TABLES

Notification	Entities to Notify	Requirement Sources	Timing and Submittal Requirements	Review/Coordination ^a		
				Submitted	Approved	Status
Required Prior to Specific Construction Activities						
General construction noise disturbance	All noise-sensitive receptors within 500 feet of work areas	MM Noise-1: General Construction Noise	Noise-sensitive receptors within 500 feet of work areas shall be provided written notice at least 7 days prior to beginning construction.	CPUC: 5/17/18	CPUC: 5/17/18	Complete Tracking # N-01.1; notification letters sent 5/18/18
Helicopter noise disturbance	School administrators for Mark West Elementary School and San Miguel Elementary School	MM Noise-2: Schools	Prior to helicopter activities within 500 feet of schools , PG&E shall coordinate with school administrators to determine the schedule for noise-sensitive periods that must be avoided during helicopter operation within 500 feet.	CPUC: Pending	CPUC: N/A	Pending These pending requirements are not applicable to NTP #1.
Helicopter noise disturbance	All noise-sensitive receptors within 500 feet of any location where helicopter activity will occur	MM Noise-3: Helicopter Activities	Noise-sensitive receptors within 500 feet from any location where helicopter activities may occur, including flight paths if applicable, shall be provided written notice at least 30 days prior to beginning helicopter activities.	CPUC: 5/17/18	CPUC: 5/17/18	Complete Tracking # N-01.1; notification letters sent 5/18/18
Construction activities within parks	Sonoma County park officials and park users for Maddux Ranch Regional Park, Shiloh Ranch Regional Park, and Foothill Regional Park	APM REC-1: Coordination with Park Management and Signage MM Recreation-2: Trail Detours and Notifications	PG&E shall post signs at park and trail entrances at least 1 week in advance of parks or trail closures. PG&E shall coordinate with county officials regarding park and trail closures and detours at least 90 days prior to such closures.	County: Pending CPUC: Pending	County: Pending CPUC: N/A	Pending These pending requirements are not applicable to NTP #1.
Emergency access disruption	Local emergency service providers (i.e., local fire districts, law enforcement offices, hospitals, and ambulance and paramedic services)	MM Traffic-4: Emergency Access	PG&E shall notify local emergency service providers no less than 1 week before construction activities.	Emergency Services: Pending CPUC: Pending	Emergency Services: N/A CPUC: N/A	Pending These pending requirements are not applicable to NTP #1.
Affected public transit routes and stops	Sonoma County Transit (SCT)	MM Traffic-5: Public Transit	PG&E shall notify SCT no less than 30 days before construction in the Southern Segment and identify roadway segments where bus routes and bus stops are located that may be affected during construction.	SCT: Pending CPUC: Pending	SCT: N/A CPUC: N/A	Pending These pending requirements are not applicable to NTP #1.

Notes:

^a Notifications and documentation required by other agencies must also be submitted to CPUC. CPUC reserves the right to review and comment on the accuracy and adequacy of notification materials, if necessary.

* Requirements marked with an asterisk are only applicable under specified conditions.

REQUIREMENT TRACKING TABLES

Table 4 Pre-construction Survey Tracking

Resource/Topic	Requirement Sources	Status
California tiger salamander	APM BIO-7: California Tiger Salamander Santa Rosa Plain Conservation Strategy (SRPCS)	Pending – Condition of Approval #9a-9c Pre-construction wildlife surveys are required immediately prior to work activities. The results of these surveys must be reported to CPUC within 24 hours of completion.
American badger	APM BIO-8: American Badger	
Western pond turtle	APM BIO-9: Western Pond Turtle	
Special-status plants	MM Biology-2: Special-status Plants	Complete Surveys for special-status plants at LZ-3 and LZ-5 were completed in 2016 and 2017.
California red-legged frog (CRLF)	MM Biology-3: California Red-legged Frog	Partially Complete – Condition of Approval #9d and 9e Suitable habitat for CRLF and FYLF was mapped within 500 feet of work areas identified in NTP #1. Pre-construction wildlife surveys are required immediately prior to work activities. The results of these surveys must be reported to CPUC within 24 hours of completion.
Foothill yellow-legged frog (FYLF)	MM Biology-4: Foothill Yellow-legged Frog	
Nesting birds	MM Biology-5: Special-status and Protected Migratory Birds	Pending – Condition of Approval #9f Pre-construction nesting bird surveys are required immediately prior to work activities. The results of these surveys must be reported to CPUC within 24 hours of completion.
Special-status and protected bats	MM Biology-6: Special-status and Protected Bats	Partially Complete – Condition of Approval #9g PG&E completed the required bat habitat assessment for suitable roosts within 50 feet of project areas (Tracking # S-02.2). An acoustic emergence survey must be completed, and the results reported to CPUC, prior to impacting suitable roosts during the breeding season.
Temporarily disturbed areas	MM Biology-7: Revegetation, Restoration, and Monitoring Plan	Partially Complete

REQUIREMENT TRACKING TABLES

Resource/Topic	Requirement Sources	Status
Sensitive plant communities	MM Biology-9: Sensitive Natural Plant Communities	A pre-construction vegetation memo was submitted with the request for NTP #1 as required. No sensitive natural plant communities were identified in areas identified in NTP #1. No additional actions are required for NTP #1; however, additional actions are required for future NTPs.
Vegetation infected with Sudden Oak Death	MM Biology-10: Sudden Oak Death Procedures	Pending – Condition of Approval #9h All work areas must be inspected for signs of infected vegetation prior to construction.
Cultural resources ^a	MM Cultural-3: Pre-Construction Cultural and Tribal Cultural Resource Surveys	Complete The work areas identified in NTP #1 and MPR #1 are within the cultural survey area shown in the Final IS/MND. No resources were identified in these areas.
Geotechnical investigation	APM GS-3: Site-specific Geotechnical Investigation MM Geology-1: Geotechnical Investigation Report	Pending These pending requirements are not applicable to NTP #1.

Notes:

^a Cultural surveys were completed for all preliminary work areas identified in the IS/MND, and for a large portion of the IS/MND study area where work areas could be relocated. Cultural survey areas are shown on Figure E-1 of the Final IS/MND. Additional cultural surveys are only required if work areas or access roads are relocated to areas that were not previously surveyed, including those within the IS/MND study area.

REQUIREMENT TRACKING TABLES

Table 5 Pre-construction Report Tracking

Report	Preparation/Submittal Frequency	Requirement Sources ^a	Contents	Status
Special-status Plant Survey Report(s)	Survey report(s) submitted to CPUC no less than 30 days prior to construction	MM Biology-2: Special-status Plants	Report shall identify: the botanists' names and qualifications; a description of the survey dates, methods, and a description of the survey efforts, including a list of the species that were searched for; results of the plant inventory evaluation; suitable habitat that was encountered; maps (1: 3,000 scale) that identify final project work areas and access routes; locations of suitable habitat within the project study area; the extent of focused plant surveys that cover project areas located in suitable habitat; enumeration and description of encountered special-status plant individuals or populations; and recommendations for avoiding the plants, where feasible.	Complete The work areas identified in NTP #1 were surveyed for special-status plants in 2016 and 2017. A survey report was provided on February 12, 2018.
Pre-Construction Report (general vegetation and habitat impacts)	Pre-Construction Report to the CPUC at least 30 days prior to construction	MM Biology-7: Revegetation, Restoration, and Monitoring Plan	Report shall: quantify and document anticipated impacts on vegetation resources; identify special-status plant individuals or the characteristics of populations; the types and numbers of tree and shrub individuals; restoration acreages for grassland, woodland, and forest vegetation communities; the baseline conditions for adjacent and comparable vegetation resources; maps (1: 3,000 scale) that identify the types and locations of the vegetation resources that may be impacted; the limits of the planned work areas; and project access routes.	Partially Complete A pre-construction vegetation memo was submitted with the request for NTP #1. No sensitive natural plant communities were identified in these areas. No additional actions are required for NTP #1; however, additional actions are required for future NTPs.

REQUIREMENT TRACKING TABLES

Report	Preparation/Submittal Frequency	Requirement Sources ^a	Contents	Status
Pre-Project Trail Condition Report	Pre-Project Trail Condition Report is submitted to the CPUC no less than 30 days prior to construction	MM Recreation-1: Trail Conditions and Repairs	Report documents the condition of designated trails located within project work areas or access routes.	Pending These pending requirements are not applicable to NTP #1.
Geotechnical Investigation Report	Geotechnical Investigation Report is submitted to the CPUC no less than 60 days prior to construction	APM GS-3: Site-specific Geotechnical Investigation MM Geology-1: Geotechnical Investigation Report	Report areas that are suspected to have unstable soils or landslide susceptibility and evaluate the potential for surface fault rupture for poles within and adjacent to potentially active fault traces and earthquake fault zones. Report shall provide site-specific recommendations for poles, work areas, and access routes where there is an elevated risk of geologic hazards.	Pending These pending requirements are not applicable to NTP #1.

Attachment 3: CPUC Review of MPR #1

MINOR PROJECT REFINEMENT REVIEW FORM



Part A: Request Description

MPR Request

Request Number:	01
Date Requested:	May 31, 2018
Proposed Duration/ Timing of Use:	June 2018 through January 2019; 7 days per week (no nighttime work) Monday-Sunday; [active use: max 7:00 am to 7:00 pm when daylight allows, storage: 24 hours/day]
Location:	Access from Hillview Rd., between Poles 72 and 73; approximately 4.15 acres
Attached Map?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Proposed Action(s)

PG&E proposes to add a new staging area, totaling approximately 4.15 acres. This new staging area would be located between Poles 72 and 73. The new staging area would be used for helicopter landing, storing construction materials and equipment, refueling equipment and helicopters, parking vehicles and equipment, collecting construction waste prior to disposal, and construction workforce meetings. This staging area was included in the IS/MND study area, and previously approved as a potential helicopter touch down area.

Purpose(s)

Access to the previously identified staging areas on Brooks Road have not been granted. The new location will facilitate construction activities in the Northern Segment.

Part B: Existing Conditions

Existing Land Uses:	Pasture, private open space.
Surrounding Land Uses:	Vineyard, pasture, private open space.
Sensitive Receptors within 500 feet:	There are no sensitive receptors within 500 feet of the proposed landing zone.
Environmental Recourses within 500 feet:	There are six (6) water features within 500 feet that could potentially support California red-legged frog during non-breeding stages (see attached memo). These features are also water resources that must be avoided.
Has landowner approval been granted?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A PG&E acquired Temporary Construction Easement from land owner on 4/13/18.
Landowner:	Windsor Oaks Associates, L.P.

Surveys

List any new survey reports under Part D and attach a copy.

Biological Resources. Were all sites associated with the proposed action(s) surveyed for biological resources with the potential to occur in the area? If so, were survey results positive or negative? Were surveys completed during the appropriate timing and season to detect resources?

The proposed staging area location is within the biological survey area identified in the IS/MND. No special-status plants or animals were identified in the location; however, potentially suitable habitat may be present. Preconstruction surveys and review of the area would be required, as specified in applicable APMs and MMs.

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Cultural Resources. Were all sites associated with the proposed action(s) surveyed for cultural resources (records search and pedestrian survey)? If so, were survey results positive or negative?

The proposed staging area is within the cultural survey area identified in the IS/MND. There are no known cultural resources within or immediately adjacent to the area.

Jurisdictional Waters. Were all sites associated with the proposed action(s) surveyed for hydrologic resources? If so, were survey results positive or negative?

The proposed staging area is within the biological/hydrology survey area identified in the IS/MND. Water features were identified within 500 feet of the staging area. A seasonal watercourse avoidance and crossing plan was prepared for all areas identified in NTP #1 including Staging Area LZ-5. No water features are located within or immediately adjacent to the staging area.

Part C: Permits, Agency Approvals, and Environmental Protection Measures

List any new permits or agency approvals under Part D and attach a copy.

Have all required permits, permit amendments/authorizations, or agency approvals been issued by resource agencies with applicable jurisdiction? Describe if necessary.

Yes

Would the proposed action(s) conflict with permit conditions or agency approvals? Describe if necessary.

No

Would the proposed action(s) conflict with project applicant proposed measures or mitigation measures listed in Final Initial Study/Mitigated Negative Declaration (IS/MND)? Describe if necessary.

No

Part D: Attached Materials

List any attached materials (e.g. surveys, maps, photos, memos, agency authorizations, etc.) below. Materials should be attached to the end of this form.

NTP #1 Frog Memo, Water Crossing Memo, Vegetation Memo

Part E: Final IS/MND Consistency Summary

Complete the Final IS/MND Consistency Summary below and answer the consistency questions for each resource category. Include a description and justification below each resource category as necessary. The consistency questions were developed using the CEQA Checklist provided in the Final IS/MND. Refer to the Final IS/MND for the details on the project impact evaluation.

Would the proposed action(s) result in a new impact, or increase the severity of a previously analyzed impact on:	No Change	Potentially Significant Change	N/A
Aesthetics (e.g., damage scenic resources or vistas, degrade the existing visual character of the site and its surroundings, or create sources of light or glare)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Final IS/MND evaluation: Less than Significant with Mitigation

The new staging area would involve temporary vegetation and surface disturbance, and mobilization of construction equipment for roughly 8 months. These activities would occur on private land away from sensitive public views. The staging area would not degrade visual resources beyond those analyzed in the IS/MND.

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Agriculture and Forestry Resources (e.g., convert Farmland to nonagricultural use, or create a conflict with existing agricultural zoning or a Williamson Act)?

Final IS/MND evaluation: Less than Significant with Mitigation

The staging area is located on land within an agricultural preserve (Windsor Oaks Winery); however, the area does not support active crop production or farming activities. Temporary ground disturbance within designated farmland was analyzed in the IS/MND. Use of the staging area would not result in new significant or substantially greater impacts to farmland or agriculture.

Air Quality (e.g. produce additional emissions, or expose sensitive receptors to additional pollutants)?

Final IS/MND evaluation: Less than Significant

The MPR would involve diverting staging activities to a new location and would not involve additional equipment operation or dust generation. There are no sensitive receptors within 500 feet of the staging area. APM Air-1 and APM Air-2 would adequately reduce air quality impacts associated with work at the staging area.

Biological Resources (e.g., cause an adverse effect to sensitive or special-status species, or impact riparian, wetland, or any other sensitive habitat, or conflict with local policies or ordinances protecting biological resources)?

Final IS/MND evaluation: Less than Significant with Mitigation

The staging area is within the IS/MND study area and was previously surveyed for special-status species. The work site is within grassland which may provide suitable habitat for the same special-status species evaluated in the IS/MND. MPR #1 would not result in new or substantially greater impacts on special-status species beyond those analyzed in the IS/MND. Mitigation identified in the IS/MND would ensure all impacts would remain less than significant.

Cultural and Tribal Cultural Resources (e.g., cause adverse change to a historical, archeological, or tribal cultural resource)?

Final IS/MND evaluation: Less than Significant with Mitigation

The staging area is within the IS/MND study area and was previously surveyed for archeological resources. No known resources were identified during pedestrian surveys or during outreach with Native American tribes. In the event that a previously undiscovered resource was identified in the staging area, MM Cultural-1 would be implemented to avoid or treat the resource. MPR #1 would not result in new or substantially greater impacts to cultural and tribal cultural resources beyond those analyzed in the IS/MND.

Geology and Soils (e.g., cause or expose people or structures to geologic or soil hazards, including erosion or loss of topsoil)?

Final IS/MND evaluation: Less than Significant with Mitigation

Surface blading or grading may be necessary at the staging area to create a stable all-weather surface for vehicles and equipment. Substantial cut-and-fill work would not occur at the staging area. The staging area would be located in a generally flat area away from steep slopes. Impacts associated with geologic and soil conditions were analyzed in the IS/MND and the conditions at the staging area would be consistent with other work areas for the project. No new or substantial greater impacts would occur.

Greenhouse Gas Emissions (e.g., generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment)?

Final IS/MND evaluation: Less than Significant

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As described for air quality, MPR #1 would divert activities for the project to a new area and would not involve additional vehicle or equipment use. The new staging area would not result in new or substantially greater impacts associated with GHG emissions.

Hazards and Hazardous Materials (e.g., create or increase the exposure of people or structures to hazardous materials or wildland fires, involve the use of additional hazardous materials or equipment, or interfere with an adopted emergency plan)?

Final IS/MND evaluation: Less than Significant with Mitigation

Hazardous materials, such as fuels, oils, and lubricants, would be used at the staging area. These and other materials were addressed in the IS/MND. The staging area would be located in grassland. Working in and around vegetation poses a risk of wild fires. The risk of fires during construction was previously analyzed in the IS/MND. APM HM-3, APM HM-4, MM Hazards-1, and MM Hazards-2 would ensure that impacts from hazards and hazardous materials are less than significant, with mitigation. The proposed staging area would not result in a new or substantially greater impact from hazards and hazardous materials than analyzed in the IS/MND.

Hydrology and Water Quality (e.g., degrade water quality, discharge waste or sediment, deplete groundwater, alter the existing drainage pattern, create additional runoff water or polluted runoff, place structures in a 100-year flood hazard area, or expose people or structures to a significant risk involving flooding)?

Final IS/MND evaluation: Less than Significant with Mitigation

The staging area is within the IS/MND study area and was previously surveyed for water resources. No water resources are located within or immediately adjacent to the staging area, and the staging area is not located within a flood plain. Soil disturbance at the site has the potential to affect water quality for water resources in the vicinity of the staging area in the same manner as other work areas for the project. Potential impacts on water quality would be reduced to less than significant through implementation of MM Hydrology-1, MM Hydrology-2, and the Stormwater Pollution and Prevention Plan (SWPPP).

Land Use (e.g., conflict with a land use plan, policy, or regulation of an agency with jurisdiction over the project, or conflict with a habitat conservation plan)?

Final IS/MND evaluation: Less than Significant with Mitigation

The temporary staging area is located on private land managed by Windsor Oaks Winery located within PG&E's existing power line easement. Use of the staging area has been approved by the property manager. The staging area would not affect land use or zoning designations.

Noise (e.g., expose sensitive receptors to additional noise or vibration)?

Final IS/MND evaluation: Less than Significant with Mitigation

Noise would be generated from work activities at the staging area from the use of equipment and helicopters; however, there are no sensitive receptors located within 500 feet of the staging area. Impacts from noise would be reduced to less than significant levels with implementation of MM Noise-1 and MM Noise-3.

Paleontological Resources (e.g., cause adverse change to a paleontological resource or site or unique geologic feature)?

Final IS/MND evaluation: Less than Significant with Mitigation

The staging area would be located in an area of high paleontological sensitivity. Ground-disturbing activities at the site, such as surface grading, could potentially damage paleontological resources in the same manner as other work areas for the project. The risk of damage to paleontological resources from these activities was previously analyzed in the IS/MND. Potential impacts on paleontological resources

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would be reduced to less than significant through implementation of APM PAL-1, APM PAL-2, and APM PAL-4.

Population and Housing (e.g., induce substantial population growth in an area, or displace substantial numbers of people or housing)?

Final IS/MND evaluation: Less than Significant

The new staging area would have no effect on population and housing.

Recreation (e.g., increases the use of, or cause adverse effects to, parks or other recreational facilities)?

Final IS/MND evaluation: Less than Significant with Mitigation

The new staging area is located on private land. There would be no effect on recreation.

Transportation and Traffic (e.g., increase traffic congestion or degrade performance of the circulation system, taking into account all modes of transportation, or increase hazards due to a design feature)?

Final IS/MND evaluation: Less than Significant with Mitigation

The new staging area would not involve substantially greater construction vehicle trips or degrade the circulation system beyond the impacts addressed in the IS/MND. The staging area would be accessed using the same roads identified in the IS/MND. MM Traffic-1 through -5 would reduce potential impacts on traffic and transportation to less than significant levels.

Utilities and Public Services (e.g., result in construction of new, or expansion of existing, water facilities, stormwater drainage facilities, require additional water entitlements, or creation of new solid waste disposal needs)?

Final IS/MND evaluation: Less than Significant with Mitigation

The temporary staging area would be located on private land within PG&E's existing power line easement. No other utilities are in the vicinity.
