

# SHEPHERD SUBSTATION PROJECT

## Minor Project Change Request Form



<b>Proposed Minor Project Change Type:</b>	<b>Request #:</b>
Minor Project Modification (MPM)	5, <u>Revision 1 (3/26/15)</u>

Part A: Proposed Minor Project Change Summary			
Date Submitted:	Requested Approval Date:	Start Date:	Expected End Date:
12/23/2014	2/1/2015	2/1/2015	12/31/2016
Submitted by:	Organization and Title:	Duration and Work Hours:	
Brooke Langle <sup>1</sup>	Terra Verde, Environmental Compliance Supervisor	Use would occur throughout the project duration.	
Contact Information:			
[REDACTED]			
Location(s): <i>(Describe applicable location(s), address, and/or dimensions)</i>			
A 25-foot x 100-foot area spanning a portion of Fresno County roadway and an abutting 15-foot x 100-foot portion of private property owned by Jim and Barbara McKoane at an undeveloped location west of North Sunnyside Avenue at the intersection of Perrin Road, California (APN 556-040-23S). A 30-foot x 60-foot area spanning a portion of North Sunnyside Avenue and adjacent private drive.			
Proposed Action(s): <i>(List and describe each proposed action)</i>			
<p>1)PG&amp;E requires the use of two additional pull and tension sites (PTS), located nearly entirely on the paved road portion and disturbed road shoulders of North Sunnyside Avenue, near proposed tubular steel pole (TSP) 1/17. The dimensions of the large PTS will be 40 feet by 100 feet. The westerly 15 feet fall within private property (McKoane; APN 556-040-23S). A significant portion of the total workspace for this PTS falls within the currently approved 50-foot project workspace, thus, PG&amp;E is requesting to utilize the space that is beyond the permitted area. The dimensions of the smaller PTS will be 30 feet by 60 feet. Activities within the smaller PTS will be conducted entirely on the road and road shoulder. This PTS also falls almost entirely with the current 50-foot workspace. Road and/or lane closures on North Sunnyside and/or Perrin Road would be accompanied by the necessary traffic plans and submitted ahead of activity; all necessary land rights have been acquired. In summary, these two proposed PTS would result in 2,400 square feet of new temporary disturbance outside of the currently permitted workspace.</p> <p>The installation of gravel, rock, or similar all-weather material (e.g., steel plates and rubber mats) may be</p>			

<sup>1</sup> Revised by Aaron Lui, Panorama, Monitoring Manager, on March 26, 2015 per direction from Michael Rosauer, CPUC Project Manager.

# SHEPHERD SUBSTATION PROJECT

## Minor Project Change Request Form



necessary to stabilize the westerly edge of the larger PTS (i.e., those portions falling on private property and road shoulder). At this time, applying a base is not required; however, PG&E is requesting the approval to install this material should weather conditions and/or equipment weight require it. If a base is installed, a fabric liner will be installed prior to material application to assist with removal; imported material will not be left onsite.

The installation of base material is anticipated to take 2-3 days, totaling an estimated increase of 4 dump truck trips delivering approximately 40 cubic yards of material. Removal would require the same level of effort. The existing "T-post" and barbed wire fence would be removed along the 100-foot section of the larger PTS and replaced at the conclusion of activity. The rock and fabric placement is a newly proposed activity at this location.

2) One ~~additional splice box~~ wood riser pole (approximately ~~5.5 by 9.5 by 7 feet deep~~ 40 to 50 feet tall) will be necessary along the northern distribution line, corresponding with existing underground facilities and within approximately 50 feet of new TSP 1/17 (as mapped). Conductor would be installed up the wood pole from an underground position and span overhead where it would connect to TSP 1/17. The box will be installed with the lid at ground surface. The box location is approximate; however, it will be set in the County franchise area. In summary, this proposed activity would result in one new permanent structure beyond currently described project components. The location of the proposed pole is show in the attached maps and photos.

### Purpose(s): *(Explain why the proposed action(s) are necessary)*

1) The previously permitted location of the southern project PTS (transmission line component), located at the northeast corner of the substation lot, is no longer a safe and feasible location to conduct pull and tension activities. The location of adjacent overhead power lines, specifically the re-routed location of the 12 kV project shoo-fly line and associated poles, do not provide sufficient clearance from the conductor sag and tensioning anticipated during wire stringing. Adjusting the location of the PTS northward to the proposed location situates the equipment beyond the conflicting power lines and avoids many potential safety hazards.

The installation of an all-weather material, if required, will facilitate equipment operation over loosely tilled and/or wet soils.

2) The purpose of the ~~wood riser pole~~ additional splice box is to accommodate the transfer of three 3-inch underground conduits (currently poured in TSP 1/17) to one 6-inch conduit (currently trenched underground from the substation).

### Part B: Existing Conditions

#### Current and Adjacent Land Use(s):

Existing land uses vary around the southern end of the transmission line alignment but are typically associated with a rural or low-density residential and agricultural character. The land immediately north and west of the proposed PTS is undeveloped, and further north is a Fresno Metropolitan Flood Control District water retention/infiltration basin.

# SHEPHERD SUBSTATION PROJECT

## Minor Project Change Request Form



During the project planning and preconstruction phase (November 2013) the subject private parcel was designated as California annual grasslands and open land. Since that time the land has been intermittently disturbed through tilling and has fluctuated between natural and ruderal land cover types per the San Joaquin Valley Habitat Conservation Plan.

Has landowner approval been granted? (Describe below)			Landowner:	Date of Approval:	Approval Verified by:
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="checkbox"/> N/A	McKoane	12/19/2014	Galen Raymond, Chris Howard

PG&E has secured landowner approval through a right of entry easement. Per Land Use and Planning and Noise Mitigation Measures, no new landowners will be affected by the planned use of the PTSs.

**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)

<b>Biological Resources.</b> 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)	<input checked="" type="checkbox"/> Previously Surveyed	<input type="checkbox"/> Positive
	<input type="checkbox"/> Survey Attached	<input checked="" type="checkbox"/> Negative
	<input type="checkbox"/> N/A	
<b>Cultural Resources.</b> 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?	<input checked="" type="checkbox"/> Previously Surveyed	<input type="checkbox"/> Positive
	<input type="checkbox"/> Survey Attached	<input checked="" type="checkbox"/> Negative
	<input type="checkbox"/> N/A	
<b>Hydrology.</b> Were all sites associated with the proposed action(s) surveyed for hydrologic resources? If so, were survey results positive or negative?	<input checked="" type="checkbox"/> Previously Surveyed	<input type="checkbox"/> Positive
	<input type="checkbox"/> Survey Attached	<input checked="" type="checkbox"/> Negative
	<input type="checkbox"/> N/A	

**Part C: Permits, Agency Approvals, and Environmental Protection Measures (EPMs)** (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?	<input checked="" type="checkbox"/> Previously Provided		
	<input type="checkbox"/> Authorization Attached		
	<input type="checkbox"/> N/A		
Would the proposed action(s) conflict with permit conditions or agency approvals?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Would the proposed action(s) conflict with project applicant proposed measures,	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	

# SHEPHERD SUBSTATION PROJECT

## Minor Project Change Request Form



avoidance and minimization measures, or mitigation measures listed in the Initial Study/Mitigated Negative Declaration (IS/MND)?		
--	--	--

<b>Part D: Attached Materials:</b> (e.g., surveys, maps, photos, memos, agency authorizations, etc.)
Proposed Pull and Tension Site
Photo 1: Proposed Large Pull and Tension Site

Part E: IS/MND Consistency				
Impact Question	No Change	De Minimis Change	Potentially Significant Change	N/A
Would the Proposed Action Result in a New Impact, or Increase the Severity of an Impact Previously Analyzed in the IS/MND? Provide information on any new impacts or additional impacts. (Refer to the IS/MND for the details on the project impact evaluation.)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p><b>Biological Resources:</b> The work location lies within the 500-foot buffer area of the pole alignment and pole work areas that were surveyed as part of preconstruction surveys performed on August 6 and 7, 2014 by Terra Verde biologists Halden Petersen and Rhett Blanton. No occurrences of special-status plant or animal species were observed in the vicinity of the proposed work areas; however, further preconstruction surveys will cover the 500-foot buffer (or appropriate species-specific distance) area surrounding the proposed work locations. Surveys will be refreshed as needed during the use of this site.</p>				

**From:** [Halden Petersen](#)  
**To:** [Aaron Lui](#) [REDACTED]  
**Cc:** [Parker, Greg](#) [REDACTED] [Brooke Langle](#); [Keith Miller](#)  
**Subject:** Shepherd Substation: Distribution Items  
**Date:** Thursday, March 26, 2015 3:02:31 PM  
**Attachments:** [20150326\\_124025\\_resized.jpg](#)  
[20150326\\_124110\\_resized.jpg](#)  
[Wood Pole Location.pdf](#)  
[Zoomed out view.pdf](#)  
[1-14 Pole Elimination.pdf](#)

---

Hi Aaron,

Below is a summary of the two items we discussed today regarding minor changes to the distribution component of the Shepherd Substation Project. The attached photos show the location in item 1 with the orange cone depicting the necessary pole location. Maps are also included to address each item separately and show the location of additional wood poles that have been eliminated in the current design.

- 1) Today the PG&E crew discovered that TSP 1/17 (historically referred to as 318 or 321) has a manufacturing error in allowing access to the center of the TSP; essentially the hole for the distribution circuit on the TSP is too small for the conductors to pass through and no modifications can be made to the TSP. As a result, PG&E will not be able to run conduit through the center of the pole as previously proposed. The original plan was to run conduit from a pull box at the northeast corner of the substation through a pull box near TSP 1/17 and up the TSP, as described in MPM #5. With today's development, the only safe alternative to this is to install a wood riser pole (approximately 40' – 50' tall) in the location of the proposed pull box. The conductor could then be installed up the wood pole, not the TSP, and a short wire span would connect the TSP to the wood pole. Underground conduit installations have been completed in this section and ground disturbing needs moving forward are limited to digging to reach the conduit, installing a wood pole, and backfilling. A pull box is no longer needed at this location. This will be accomplished with a smaller permanent footprint than the originally proposed pull box.
- 2) PG&E would like to clarify the location of a pull box situated at the corner of Behymer Avenue and the transmission line. In Minor Project Modification #4, a splice box was proposed adjacent to TSP 1/11. While a box is still needed at this location, the supplied map implies that it will be installed on the north side of Behymer. This box is needed to serve the customer south of Behymer Avenue, and the true design has this being installed 86 feet south of an existing wood pole on Behymer Avenue, along the east side of Sunnyside Avenue. No additional facilities are being proposed.

Please let us know if you need any additional information.

Thanks again,

*Halden Petersen*

**Terra Verde Environmental Consulting, LLC**