Pacific Gas and Electric Company

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August 11, 2016

Mr. Eric Chiang, Project Manager
California Public Utilities Commission
505 Van Ness Avenue, 4th Floor
San Francisco, CA 94102

Subject: Windsor Substation Project
Revision to Conceptual Landscape Plan

Dear Mr. Chiang,

I am writing to update you on the latest revisions to the Conceptual Landscape Plan. We have completed the final engineering design at the substation, and the areas of ground disturbance have been further refined. An arborist review was conducted to confirm anticipated tree impacts. See Attachment A: PG&E Arborist Assessment. As shown in Attachment A, up to approximately four trees are proposed for removal at the substation site (tree numbers 1-4). Removal of these trees is recommended because, with completion of the final design and the grading plan, it was determined that ground disturbance and removal of existing concrete will adversely impact tree health and likely cause death.

Existing vegetation that lines the project site will be maintained on the south, west and north sides. To minimize impacts to existing vegetation and maintain tree health, tree trimming and protective fencing will be implemented as shown on Attachment A around trees that will be in close proximity to project activities. Additionally, existing vegetation will continue to be supplemented with implementation of the landscaping plan (See Attachment B: Conceptual Landscape Plan (Rev1)). The landscaping plan includes vegetation along the east, west and north sides of the project site.

The project is not subject to the Town of Windsor's Tree Replacement Ordinance (Tree Ordinance) because the CPUC has exclusive jurisdiction over the construction, operation, and maintenance of the project. However, APM BIO-15 states that if any healthy protected oak trees are removed, they will be replaced or compensated for in a manner that is consistent with the Town's Tree Ordinance.

Figure 5. 1-3 of the MND (Attachment B: Conceptual Landscape Plan (Rev1)) details that project landscaping would include ecologically appropriate species, including a mixture of native, deciduous, and evergreen trees, such as valley oak and coast live oak. The conceptual landscape plan provided in the MND includes approximately eight coast live oak and five valley oak trees, as well as four coast redwoods (*Sequoia sempervirens*). In order to plant all of the replacement oaks associated with substation construction on site, PG&E proposes to replace the four coast redwoods with protected oak species, for a total of 17 protected oak species trees, as noted as a revision on the conceptual landscape plan.

We believe this plan is consistent with the tentative plans described in the MND. The replacement of the four coast redwoods with protected oak species is anticipated to have a beneficial effect, as oaks are more drought tolerant and would require less water to establish than the redwood trees. The project

would continue to comply with APM BIO-15, which would reduce impacts on oak trees protected by the Town of Windsor Tree Replacement Ordinance.

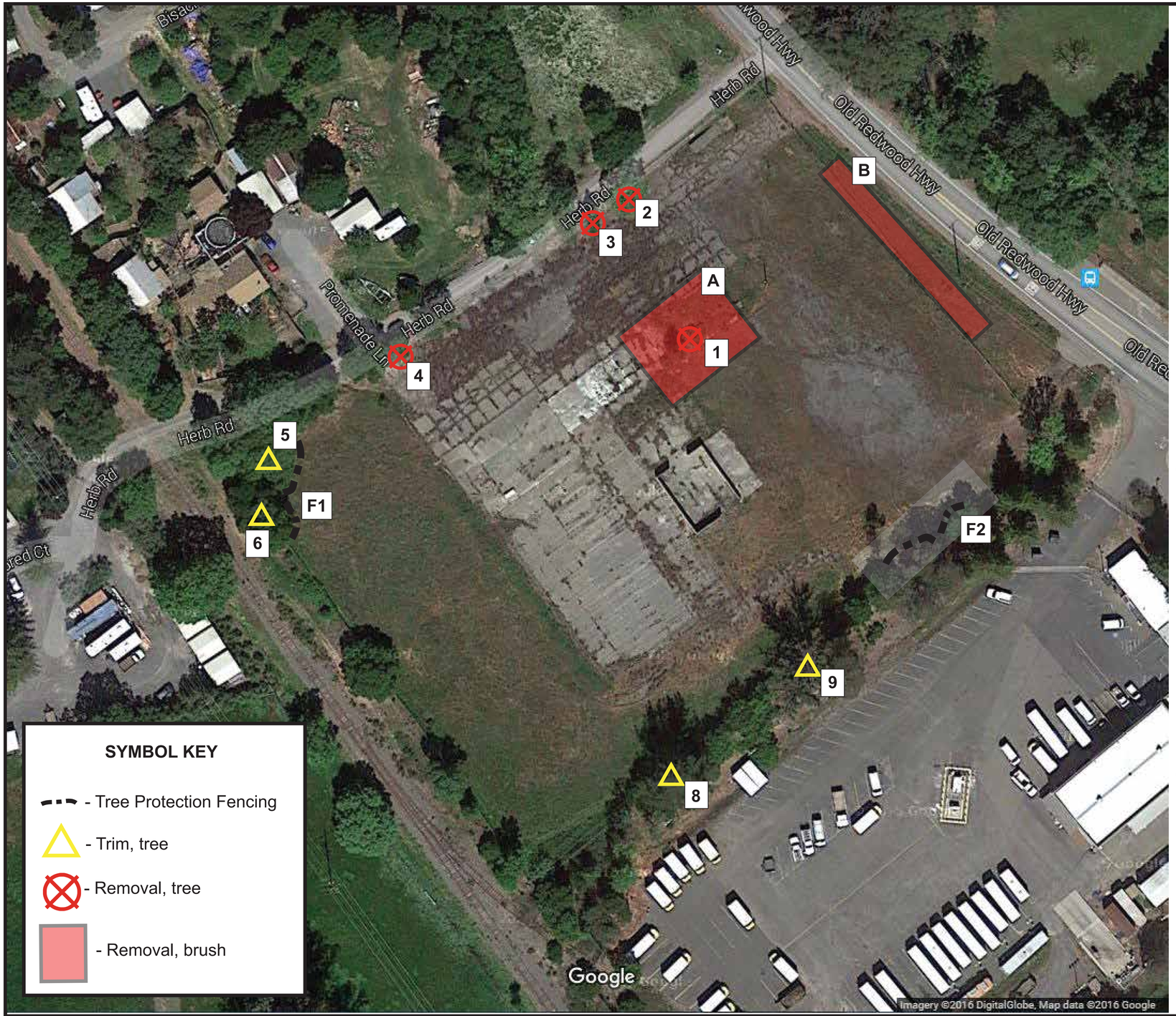
If you have any questions or concerns regarding these materials, please contact me at 925-808-1473.

Jamie Dean
Environmental Compliance Lead

Cc: Vida Strong, CPUC Monitoring Manager, Aspen Environmental Group
Fritts Golden, Aspen Environmental Group
Jody Fessler, CPUC Environmental Monitor, Aspen Environmental Group
Eyob Embaye, PG&E Project Manager
Janet Liver, Environmental Compliance Manager, TRC

Attachments:

Attachment A: PG&E Arborist Assessment
Attachment B: Conceptual Landscape Plan (Rev1)



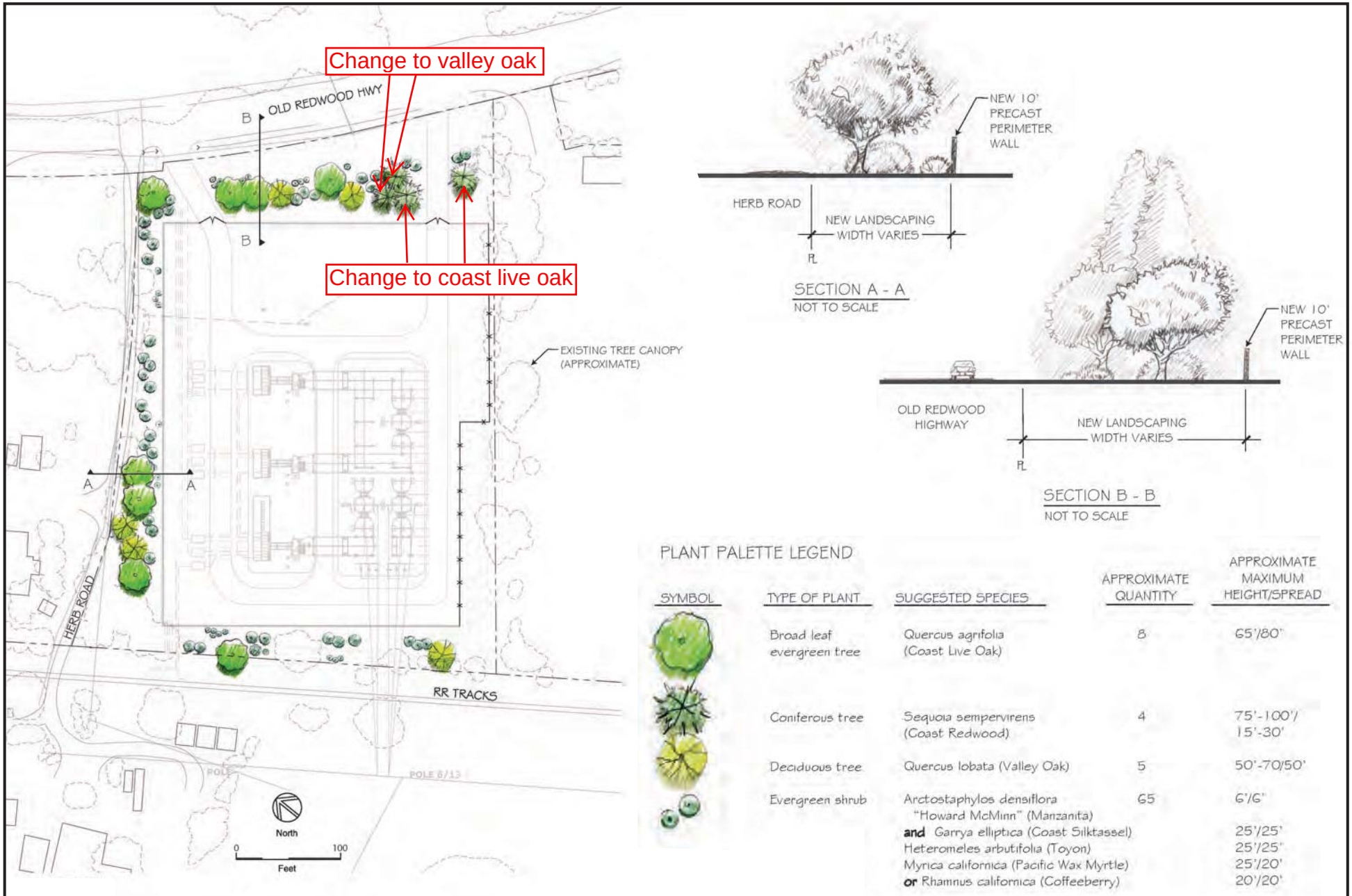
TREE DESCRIPTION

#	SPECIES	DBH	HT	PRESCRIPTION
1	Eucalyptus globulus	Ave. 6", Xstem	35'	Remove all re-sprouts and stump from previous Eucalyptus removal. Remove wood debris left by previous removal. Condition of tree- Good general health, bad structure.
2	Quercus lobata Valley Oak	24" 2 Xstem	32'	Remove tree in perimeter fence as concrete to be removed up to trunk of tree will negatively impact tree health and likely cause tree to die. Condition of tree- healthy.
3	Quercus agrifolia Coast Live Oak	27" 3 Xstem	18'	Remove all stems due to concrete in proximity to root system, tree will be damaged during excavation. Condition of tree- Tree not in good health. Middle stem is dead and rotted at base.
4	Quercus agrifolia Coast Live Oak	8"	12.5'	Remove tree in perimeter fence due to ground disturbance impact. Tree leans toward substation. Condition of tree- healthy.
5	Quercus agrifolia Coast Live Oak	54"	45'	Trim fence side limb for clearance and to eliminate overhang/future security risk. Overall canopy not to be reduced by more than 1/4 of the entire tree canopy. *Tree protection fencing required. Tree protection fencing shall be located a minimum 5' from the original drip-line of the canopy prior to trimming. Tree protection fencing can be moved for ease of construction as long as heavy equipment remains out of the area and risk for compaction is minimal.
6	Quercus agrifolia Coast Live Oak	24"	45'	Trim approximately two fence side limbs for clearance not to exceed a maximum 1/4 of the trees total canopy. Condition of tree- healthy.*Tree protection fencing required. Tree protection fencing shall be at least 2' from the drip line of the canopy prior to trimming. Tree protection fencing can be moved for ease of construction as long as heavy equipment remains out of the area and risk for compaction is minimal.
8	Pinus radiata Monterey Pine	70"	70'	Trim two overhanging limbs back to trunk for clearance. Condition of tree- healthy.
9	Eucalyptus camaldulensis Red Gum	80"	75'	Trim approximately 3 large overhanging limbs from the fence side. Condition of tree- Declining.
				**Trees in this report have been assessed in relation to construction activity. An additional report is suggested to evaluate trees impacted by overhead conductors or facilities.
A	Brush, various	<4"	1-5'	Coast Live Oak brush, Coyote brush, blackberry and small palm tree to be removed and cleared. Including wood left from prior Eucalyptus removal.
B	Brush, various	<4"	1-5'	Oak brush to be removed and cleared.
F1 F2	Tree Protection Fencing			*Tree protection fencing required. Tree protection fencing shall be at least 5-2' from the drip line of the canopy prior to trimming. Tree protection fencing can be moved for ease of construction as long as heavy equipment remains out of the area and risk for compaction is minimal.

1 & A | 2 | 3 | 5 & 6 | 8 | 9

PG&E Arborist Assessment
Windsor Substation

Arborist: Lindsey Welchoff
WE10058-AU
Site Reviewed on May 18, 2016



SYMBOL	TYPE OF PLANT	SUGGESTED SPECIES	APPROXIMATE QUANTITY	APPROXIMATE MAXIMUM HEIGHT/SPREAD
	Broad leaf evergreen tree	Quercus agrifolia (Coast Live Oak)	8	65'/80'
	Coniferous tree	Sequoia sempervirens (Coast Redwood)	4	75'-100'/ 15'-30'
	Deciduous tree	Quercus lobata (Valley Oak)	5	50'-70/50'
	Evergreen shrub	Arctostaphylos densiflora "Howard McMinn" (Manzanita)	65	6'/6'
		and Garrya elliptica (Coast Silktassel)		25'/25'
		Heteromeles arbutifolia (Toyon)		25'/25'
		Myrica californica (Pacific Wax Myrtle)		25'/20'
		or Rhamnus californica (Coffeeberry)		20'/20'

Aspen Environmental Group

Source: PG&E, 2012.

Figure 5.1-3

Windsor Substation Site Conceptual Landscape Plan