

**APPENDIX I**  
**CONSTRUCTION PLAN**



**Appendix I  
CONSTRUCTION PLAN**

Updated: November 2004

**Lakeville-Sonoma 115kV Transmission Line Project**

Pole Location No.	Address	Existing Facilities	Proposed Facilities	Proposal Location	Construction		Pull Site	Schedule	
					Tower	Line		Dry Season	Wet Season
<b>LAKEVILLE-SONOMA 115kV TRANSMISSION LINE</b>									
1	APN 017-410-010 Frates & Adobe Road (PG&E property)	Single Circuit Transmission TSP, Vertical Phasing	No change	No change. Existing structure is located within the substation yard.	N/A	Normal	Yes - Pull Site 1a - No pads required. Pulling two spans only.		Pull wire
2	APN 017-410-010 Frates & Adobe Road (PG&E property)	N/A	Double circuit 115kV Transmission TSP (60 foot DVD3).	This will be the first line structure off the new 115kV substation dead end. The structure will be located on PG&E property inside the substation fence.	Normal	Normal	Yes - Pull Site 1b - No pads required. Pulling one span only.	Build foundation	Install structure Pull wire
3	APN 017-410-010 Frates & Adobe Road (PG&E property)	Single Circuit Transmission Wood pole.	Double Circuit 115kV Transmission TSP (60 foot V2D-G)	This TSP will be 90 feet northwest of the existing alignment. The location is on PG&E property.	Normal	Normal	Yes - Pull Site 2a Pad required to pull to Pull Site 3b. At Pull Site 2b will set up along Frates Road for pulls back to Pull Sites 1a and 1b.	Construct access rd. Build foundation	Install structure Pull wire Remove wood pole
4	APN 017-410-010 Frates & Adobe Road (PG&E property)	Single Circuit Transmission Wood Pole with distr. Under build.	Double circuit 115kV Transmission TSP (55 foot V2P). The transmission circuit will be removed from the wood pole and the distribution left in place.	Install north of drive way off Frates Road which is entrance to Lakeville Substation. Alignment will be 90 feet northwest of existing pole. The existing pole will be topped and the distribution will be left in place along Frates Road.	Normal	Normal	No	Construct access rd. Install culvert Build foundation Install pole	Top wood pole Install wire
5	APN 017-410-010 Frates & Adobe Road (PG&E property)	Single Circuit Transmission Wood Pole with distr. Under build.	Double circuit 115kV Transmission TSP (55 foot V2P). The transmission circuit will be removed from the wood pole and the distribution left in place.	Install new structure south of the 230kV overhead spans 70 feet and 90 feet northwest of the existing transmission alignment. The existing pole will be topped and the distribution will be left in place along Frates Road.	Normal	Normal	No	Construct access rd. Build foundation Install structure	Top wood pole Install wire
6	APN 017-410-010 Frates & Adobe Road (PG&E property)	Single Circuit Transmission Wood Pole with distr. Under build.	Eliminate the transmission and leave the distribution.	Pole to be topped and distribution left in place.	N/A	Normal	No		Top wood pole Remove trans. wire
7	APN 017-130-008 3571 Old Adobe Road	Single Circuit Transmission Wood Pole with distr. Under build, buck arm.	Double circuit 115kV Transmission TSP (55 foot V2P). The transmission circuit will be removed from the wood pole and the distribution left in place.	Install new TSP 90 feet northwest of existing pole on north side of Adobe Road. The existing pole will be topped and the distribution will be left in place along Adobe Road.	Normal	Normal	No	Build foundation Install structure	Top wood pole Install wire
8	APN 017-130-008 3571 Old Adobe Road	Single Circuit Transmission Wood Pole with distr. Under build.	Eliminate the transmission and leave the distribution.	Pole to be topped and distribution left in place.	N/A	Normal	No		Top wood pole Remove trans. wire
9	APN 017-130-008 3571 Old Adobe Road	Single Circuit Transmission Wood Pole with distr. Under build.	Double Circuit 115kV Transmission TSP (80 foot V2P) with no under build. The transmission circuit will be removed from the wood pole and the distribution left in place.	Install approximately 90 feet west of existing wood pole to the new alignment. The alignment is being shifted to avoid a gas line which runs parallel to the existing wood pole line. The proposed structure location will be located out in an existing undeveloped field. 15 degree angle. The existing pole will be topped and the distribution will be left in place along Adobe Road.	Normal	Normal	No	Build foundation Install structure	Top wood pole Install wire
10	APN 017-130-008 3571 Old Adobe Road (roadside)	Single Circuit Transmission Wood Pole with distr. Under build, transformer.	Eliminate the transmission and leave the distribution.	Pole to be topped and distribution left in place.	N/A	Normal	No		Top wood pole Remove trans. wire
<b>Adobe Road Staging Area</b>	APN 017-120-015 3795 Old Adobe Road	None	Staging Area including Helicopter Landing Zone	10 acre site on eastern portion of property			No		
11	APN 017-120-001 3655 Old Adobe Road	Single Circuit Transmission Wood Pole with distr. Under build, switch and capacitor.	Eliminate the transmission and leave the distribution.	Pole to be topped and distribution left in place.	N/A	Normal	No	Improve access rd.	Top wood pole Remove trans. wire

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Pole Location No.	Address	Existing Facilities	Proposed Facilities	Proposal Location	Construction		Pull Site	Schedule	
					Tower	Line		Dry Season	Wet Season
<b>LAKEVILLE-SONOMA 115kV TRANSMISSION LINE</b>									
12	APN 017-120-001 3655 Old Adobe Road	Single Circuit Transmission Wood Pole with distr. Under build.	Double Circuit 115kV Transmission TSP (90 foot V2P) with distr. Under build, switch and capacitor.	Install just ahead of existing wood pole. There will be a 15 degree angle.	Normal	Normal	No	Improve access rd. Build foundation	Install structure Top wood pole Install wire
13	APN 017-120-001 3655 Old Adobe Road	Single Circuit Transmission Wood pole w/Distr under build.	Eliminate the transmission and leave the distribution.	Pole to be topped and distribution left in place.	N/A	Normal	No	Remove pole top	Top wood pole
14	APN 017-120-001 3655 Old Adobe Road	Single Circuit Transmission Wood Pole with Distr. Under build	Double Circuit 115kV Transmission TSP (100 foot V2P) with Distr. Under build	Install directly back of existing wood pole.	Hand dig hole, fly out spoils, fly rebar, fly concrete, fly in new structure and fly out old structure. Foundation will be installed late spring if possible to make digging easier. A compressor will be flown to the location so the tower crews can use a jack hammer for the digging. Structure will be flown in in wet season.	New structure will be flown in with the pole hardware installed. If not possible, the pole hardware will be flown in and installed.	No		Install structure Install wire Remove wood pole
15	APN 017-120-001 3655 Old Adobe Road	Single Circuit Transmission Wood Pole with distr. Under build.	Eliminate the transmission and leave the distribution.	Pole to be topped and distribution left in place.	N/A	Normal	No	Remove pole top	Top wood pole
16	APN 017-120-001 3655 Old Adobe Road	Single Circuit Transmission Wood Pole with distr. Under build, transformer.	Eliminate the transmission and leave the distribution.	Pole to be topped and distribution left in place.	N/A	Normal	No		Top wood pole Remove pole top
17	APN 017-120-001 3655 Old Adobe Road	Single Circuit Transmission Wood Pole	Double Circuit 115kV Transmission TSP (90 foot V2P) with no under build.	Install 35' ahead of existing wood pole structure on the existing alignment.	Normal	Normal	No	Improve access rd. Build foundation	Install structure Install wire Remove wood pole
18	APN 017-120-001 3655 Old Adobe Road	Single Circuit Transmission Wood Pole	Eliminate	N/A		Normal	No	Improve access rd.	Remove wood pole
19	APN 017-120-001 3655 Old Adobe Road	Single Circuit Transmission Wood Pole	Eliminate	N/A		Normal	No	Improve access rd.	Remove wood pole
20	APN 017-120-001 3655 Old Adobe Road	Single Circuit Transmission Wood Pole	Double Circuit 115kV Transmission TSP (80 foot V2P) with no under build.	Install directly back of existing wood pole.	Normal	Normal	No	Improve access rd. Build foundation	Install structure Install wire Remove wood pole
21	APN 017-120-001 3655 Old Adobe Road	Single Circuit Transmission Wood Pole	Eliminate	N/A		Normal	No	Improve access rd.	Remove wood pole
22	APN 017-120-001 3655 Old Adobe Road	Single Circuit Transmission Wood Pole	Double Circuit 115kV Transmission TSP (60 foot V2P) with no under build.	Install directly back of existing wood pole.	Normal	Normal	No	Improve access rd. Build foundation	Install structure Install wire Remove wood pole
23	APN 017-120-001 3655 Old Adobe Road	Single Circuit Transmission Wood Pole	Eliminate	N/A		Normal	No	Improve access rd.	Remove wood pole
24	APN 017-120-001 3655 Old Adobe Road	Single Circuit Transmission Wood w/ two in line guys.	Double Circuit 115kV Transmission TSP (80 foot V2P- G) with no under build.	Install directly ahead of existing wood pole. 45.6 degree angle.	Normal	Normal	Yes - Pull Site 3b. Pull back to Pull Site 2a will be set up on vineyard access road northeast of Location 24 and pull to Pull Site 3a will be set up on vineyard access road due west of Location 24. Pads for pulling each direction will be established with temporary rock pads.	Improve access rd. Build foundation Install structure	Pull wire Remove wood pole
25	APN 017-120-001 3655 Old Adobe Road	Single Circuit Transmission Wood Pole	Eliminate	N/A	N/A	Normal	No	Improve access rd.	Remove wood pole

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					Tower	Line		Dry Season	Wet Season
<b>LAKEVILLE-SONOMA 115kV TRANSMISSION LINE</b>									
26	APN 017-120-001 3655 Old Adobe Road	Single Circuit Transmission Wood Pole w/two side guys.	Double Circuit 115kV Transmission TSP (85 foot V2P) with no under build.	Install directly back of existing wood pole to prevent impact to vineyard maintenance access.	Normal foundation installation with helicopter structure installation.	Normal	No	Improve access rd. Build foundation	Heli. install structure Install wire Remove wood pole
27	APN 017-120-001 3655 Old Adobe Road	Single Circuit Transmission Wood Pole w/two side guys.	Eliminate	N/A	N/A	Normal	No	Remove pole top Remove pole base	Top wood pole - walk in or heli.
28	APN 017-120-003 3795 Old Adobe Road	Single Circuit Transmission Wood pole.	Double Circuit 115kV Transmission TSP (90 foot V2P) with no under build.	Install approximately 50 feet ahead on the alignment.	Normal	Normal	No	Construct access rd. Build foundation	Install structure Install wire Remove wood pole
29	APN 017-120-003 3795 Old Adobe Road	Single Circuit Transmission Wood Pole with distribution Riser.	Eliminate the transmission and leave the distribution.	Pole to be topped and distribution left in place.	N/A	Normal	Yes - Pull Site 4b - The pull to Pull Site 3a will be set up on alignment between Locations 29 and 30. The pull to Pull Site 5b will be set up between Locations 28 and 29 on the alignment. Temporary gravel pads will be installed for both pulls.	Construct access rd. Build and remove pull pads	Top wood pole Pull wire
30	APN 017-120-003 3795 Old Adobe Road	Single Circuit Transmission Wood Pole with distribution under build	Double Circuit 115kV Transmission TSP (85 foot V2P) with distribution under build.	Install on alignment directly ahead of existing structure.	Normal	Normal	No	Construct access rd. Build foundation	Install structure Install wire Remove wood pole
31	APN 017-120-003 3795 Old Adobe Road	Single Circuit Transmission Wood Pole (side guys) with distribution under build	Eliminate	N/A	N/A	Normal	No	Remove pole top Remove pole base	Top wood pole - walk in or heli.
32	APN 017-120-003 3795 Old Adobe Road	Single Circuit Transmission Wood Pole with distribution.	Eliminate	N/A	N/A	Normal	No	Remove pole top Remove pole base	Top wood pole - walk in or heli.
33	APN 017-120-003 3795 Old Adobe Road	Single Circuit Transmission Wood Pole with distribution.	Double Circuit 115kV Transmission TSP (100 foot V2P) with distribution under build.	Relocate 75 feet ahead on alignment.	Hand dig hole, fly out spoils, fly rebar, fly concrete, fly in new structure and fly out old structure. Foundation will be installed late spring if possible to make digging easier. A compressor will be flown to the location so the tower crews can use a jack hammer for the digging. Structure will be flown in in wet season.	New structure will be flown in with the pole hardware installed. If not possible, the pole hardware will be flown in and installed.	No	Install foundation	Heli. install structure Install wire Remove wood pole
34	APN 017-100-007 Sonoma Mountain Institute 3268 Old Adobe Road	Single Circuit Transmission Wood Pole with side guys.	Eliminate	N/A	N/A	Hand jacking and helicopter removal of old wood pole. Helicopter installation of wire hardware.	No		Heli. remove wood pole
35	APN 017-100-007 Sonoma Mountain Institute 3268 Old Adobe Road	Single Circuit Transmission Wood Pole with side guys.	Double Circuit 115kV Transmission TSP (70 foot V2P)	Relocate 66 feet back on alignment to maintain existing centerline. 12 degree angle.	See Construction Notes.	Normal	No	Build foundation	Heli. install structure Install wire Remove wood pole
36	APN 017-100-007 Sonoma Mountain Institute 3268 Old Adobe Road	Single Circuit Transmission Wood Pole	Double Circuit 115kV Transmission TSP (55 foot V2P)	Relocate just back on alignment .	See Construction Notes.	See Construction Notes	No	Build foundation Remove pole top Remove pole base	Heli. install structure Top wood pole Install wire
37	APN 017-100-007 Sonoma Mountain Institute 3268 Old Adobe Road	Single Circuit Transmission Wood Pole	Double Circuit 115kV Transmission TSP (75 foot V2S-G)	Relocate ahead 80 feet on alignment.	See Construction Notes.	See Construction Notes	No	Install gate Build foundation Remove pole top Remove pole base	Heli. install structure Top wood pole Install wire

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Pole Location No.	Address	Existing Facilities	Proposed Facilities	Proposal Location	Construction		Pull Site	Schedule	
					Tower	Line		Dry Season	Wet Season
<b>LAKEVILLE-SONOMA 115kV TRANSMISSION LINE</b>									
38	APN 017-100-007 Sonoma Mountain Institute 3268 Old Adobe Road	Single Circuit Transmission Wood Pole	Eliminate	N/A	N/A	Normal	No	Install gate Build foundation Remove pole top Remove pole base	Heli. install structure Top wood pole Install wire
39	APN 017-100-007 Sonoma Mountain Institute 3268 Old Adobe Road	Single Circuit Transmission Wood Pole	Double Circuit 115kV Transmission TSP (70 foot V2P)	Pole to be replaced just ahead to maintain centerline and minimize vegetation impacts as well as allow for structure replacement without extensive clearances. 18 degree angle.	Normal	Normal	No	Construct access rd. Install gate Build foundation	Heli. install structure Install wire Remove wood pole
40	APN 017-100-009 Rancho Petaluma LLC	Single Circuit Transmission Wood Pole	Eliminate	Pole to be completely removed.	N/A	Normal	No	Improve access rd.	Remove wood pole
41	APN 017-100-009 Rancho Petaluma LLC	Single Circuit Transmission Wood Pole	Double Circuit 115kV Transmission TSP (55 foot V2D-G)	Pole to be just ahead on existing centerline. 31.3 degree angle.	Normal	Normal	No	Construct access rd. Build foundation	Heli. install structure Install wire Remove wood pole
42	APN 017-100-009 Rancho Petaluma LLC	Single Circuit Transmission Wood Pole	Eliminate	Pole to be completely removed.	N/A	Normal Removal	No	Remove pole top Remove pole base	Heli. Top wood pole
43	APN 017-100-006 3274 Old Adobe Road	Single Circuit Transmission Wood Pole	Double Circuit 115kV Transmission TSP (130 foot V2P)	Pole to be placed 130 feet ahead on the alignment.	Normal	Normal	No	Build foundation	Heli. install structure Install wire Remove wood pole
44	APN 017-100-006 3274 Old Adobe Road	Single Circuit Transmission Wood Pole	Eliminate	Pole to be completely removed.	N/A	Normal	No		Heli. remove wood pole
45	APN 142-011-004 Felder Property	Single Circuit Transmission Wood Pole	Eliminate	Pole to be completely removed.	N/A	See Construction Notes	No		Heli. remove wood pole
46	APN 142-011-004 Felder Property	Single Circuit Transmission Wood Pole	Double Circuit 115kV Transmission TSP (100 foot V2P)	Pole to be placed just ahead on alignment.	Normal	Normal	No	Install foundation	Install structure Install wire Remove wood pole
47	APN 142-011-004 Felder Property	Single Circuit Transmission Wood Pole	Eliminate	Pole to be completely removed.	N/A	Normal	No		Remove wood pole
48	APN 142-011-004 Felder Property	Single Circuit Transmission Wood Pole	Eliminate	Pole to be completely removed.	N/A	Normal	No		Remove wood pole
49	APN 142-011-004 Felder Property	Single Circuit Transmission Wood Pole	Double Circuit 115kV Transmission TSP (100 foot V2P)	Pole to be placed just back on alignment. 15 degree angle.	Normal	Normal	Yes - Pull Site 5b - Pull back to 4a from a temporary pad installed between Location 49 and 50. Pull Site 5a will pull ahead to Pull Site 6b from a temporary pad just west of Location 49.	Construct access rd. Install/remove pads Build foundation	Install structure Pull wire Remove wood pole
50	APN 142-011-004 Felder Property	Single Circuit Transmission Wood Pole	Eliminate	Pole to be completely removed.	N/A	Normal	No		Remove wood pole
51	APN 142-011-005 1957 Felder Road	Single Circuit Transmission Wood Pole	Double Circuit 115kV Transmission TSP 80 foot V2P)	Pole to be placed just back on the alignment. 6.2 degree angle.	Normal	Normal	No	Construct access rd. Build foundation	Install structure Install wire Remove wood pole
52	APN 142-011-005 1957 Felder Road	Single Circuit Transmission Wood Pole	Eliminate	Pole to be completely removed.	N/A	Normal	No	Construct access rd.	Remove wood pole
53	APN 142-011-005 1957 Felder Road	Single Circuit Transmission Wood Pole	Double Circuit 115kV Transmission TSP (90 foot V2P) with no under build.	Pole to be just back on the alignment.	Normal	Normal	No	Construct access rd. Build foundation	Install structure Install wire Remove wood pole
54	APN 142-011-005 1957 Felder Road	Single Circuit Transmission Wood Pole	Eliminate	Pole to be completely removed.	N/A	See Construction Notes	No		Heli remove wood pole
55	APN 142-011-005 1957 Felder Road	Single Circuit Transmission Wood Pole	Eliminate	Pole to be completely removed.	N/A	Normal	No		Heli remove wood pole
56	APN 142-011-005 1957 Felder Road	Single Circuit Transmission Wood Pole	Double Circuit 115kV Transmission TSP (90 foot V2P) with no under build.	Pole to be installed just back of existing pole on alignment.	Normal	Normal	No	Construct access rd. Build foundation	Install structure Install wire Remove wood pole
57	APN 142-011-005 1957 Felder Road	Single Circuit Transmission Wood Pole	Eliminate	Pole to be completely removed.	N/A	Normal	No		Remove wood pole

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					Tower	Line		Dry Season	Wet Season
<b>LAKEVILLE-SONOMA 115kV TRANSMISSION LINE</b>									
58	APN 142-011-005 1957 Felder Road	Single Circuit Transmission Wood Pole	Eliminate	Pole to be completely removed.	N/A	Top removal during wet season then bottom removal and pole disposal when area is dry.	No	Remove pole top Remove pole base	Top wood pole
59	APN 142-011-005 1957 Felder Road	Single Circuit Transmission Wood Pole	Eliminate	Pole to be completely removed.	N/A	Top removal during wet season then bottom removal and pole disposal when area is dry.	No	Install gate Remove pole top Remove pole base	Top wood pole
60	APN 142-011-005 1957 Felder Road	Single Circuit Transmission Wood Pole	Double Circuit 115kV Transmission TSP (85 foot V2S-G)	Pole to be located ahead next to the existing wood pole on the alignment. 13.5 degree angle.	Normal	Normal	No	Construct access rd. Install gate Build foundation	Install structure Install wire Remove wood pole
61	APN 142-011-005 1957 Felder Road	Single Circuit Transmission Wood Pole	Eliminate	Pole to be completely removed.	N/A	Normal	No	Construct access rd.	Remove wood pole
62	APN 142-011-005 1957 Felder Road	Single Circuit Transmission Wood Pole w/distribution line and buck	Double Circuit 115kV Transmission TSP (60 foot V2P) w/distribution line and buck.	Install just ahead on alignment.	Normal	Normal	No	Construct access rd. Build foundation	Install structure Install wire Remove wood pole
63	APN 142-031-015 20698 Arnold Drive	Single Circuit Transmission Wood Pole w/distribution under build.	Eliminate	Pole to be completely removed.	N/A	Top removal during wet season then bottom removal and pole disposal when area is dry.	No	Remove pole top Remove pole base	Top wood pole
64	APN 142-031-015 20698 Arnold Drive	Single Circuit Transmission Wood Pole w/distribution	Double Circuit 115kV Transmission TSP (85 foot V2P) w/distribution line and buck.	Pole to be installed just back on alignment.	Normal	Normal	No	Improve access rd. Build foundation	Install structure Install wire Remove wood pole
65	APN 142-031-015 20698 Arnold Drive	Single Circuit Transmission Wood Pole w/distribution	Eliminate transmission and leave distribution.	Pole to be topped and distribution left in place.	N/A	Top removal during wet season then cut section disposal when area is dry.	No	Remove pole top	Top wood pole
66	APN 142-031-015 20698 Arnold Drive	Single Circuit Transmission Wood Pole w/distribution	Eliminate transmission and leave distribution.	Pole to be topped and distribution left in place.	N/A	Top removal during wet season then cut section disposal when area is dry.	No	Remove pole top	Top wood pole
67	APN 142-031-015 20698 Arnold Drive	Single Circuit Transmission Wood Pole w/distribution	Double Circuit 115kV Transmission TSP (85 foot V2P) w/distribution line and buck.	Pole to be replaced just ahead of the existing pole so there is no interference with the vineyard operations.	Normal	Normal	No	Improve access rd. Build foundation	Install structure Install wire Remove wood pole
68	APN 142-031-015 20698 Arnold Drive	Single Circuit Transmission Wood Pole w/distribution	Eliminate transmission and leave distribution.	Pole to be topped and distribution left in place.	N/A	Normal	No	Improve access rd.	Construct bridge/culvert Top wood pole
69	APN 142-031-015 20698 Arnold Drive	Single Circuit Transmission Wood Pole w/distribution	Eliminate transmission and leave distribution.	Pole to be topped and distribution left in place.	N/A	Normal	No	Improve access rd.	Construct bridge/culvert Top wood pole
70	APN 142-031-015 20698 Arnold Drive	Single Circuit Transmission Wood Pole w/distribution.	Double Circuit 115kV Transmission TSP (80 foot V2P) w/distribution line.	Pole to be installed 50 feet ahead on the alignment.	Normal	Normal	No	Improve access rd. Install silt fence Build foundation	Install structure Install wire Remove wood pole
71	APN 142-031-015 20698 Arnold Drive	Single Circuit Transmission Wood Pole w/distribution line and buck.	Eliminate transmission and leave distribution.	Pole to be topped and distribution left in place.	N/A	Normal	No	Improve access rd.	Top wood pole

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					Tower	Line		Dry Season	Wet Season
<b>LAKEVILLE-SONOMA 115kV TRANSMISSION LINE</b>									
72	APN 142-031-015 20698 Arnold Drive	Single Circuit Transmission Wood Pole	Eliminate	Pole to be completely removed.	N/A	Top removal during wet season then bottom removal and pole disposal when area is dry.	No	Improve access rd. Remove pole top Remove pole base	Top wood pole
73	APN 142-031-015 20698 Arnold Drive	Single Circuit Transmission Wood Pole w/guy	Double Circuit 115kV Transmission TSP (70 foot V2P)	Pole to be installed just back from existing pole. 13.8 degree angle.	Normal	Normal	No	Improve access rd. Build foundation	Install structure Install wire Remove wood pole
74	APN 142-031-015 20698 Arnold Drive	Single Circuit Transmission Wood Pole	Eliminate	Pole to be completely removed.	N/A	Top removal during wet season then bottom removal and pole disposal when area is dry.	No	Improve access rd. Remove pole top Remove pole base	Top wood pole
75	APN 142-031-015 20698 Arnold Drive	Single Circuit Transmission Wood Pole	Double Circuit 115kV Transmission TSP (65 foot V2P)	Install next to the existing structure, back or ahead, to minimize impacts to vineyard operation.	Normal	Normal	No	Improve access rd. Build foundation	Install structure Install wire Remove wood pole
76	APN 142-031-015 20698 Arnold Drive	Single Circuit Transmission Wood Pole	Eliminate	Pole to be completely removed.	N/A	Top removal during wet season then bottom removal and pole disposal when area is dry.	No	Improve access rd. Remove pole top Remove pole base	Top wood pole
77	APN 142-031-015 20698 Arnold Drive	Single Circuit Transmission Wood Pole	Double Circuit 115kV Transmission TSP (65 foot V2P)	Install the TSP as close to the vineyard fence as possible and away from the creek. Will change alignment.	Normal	Top removal during wet season then bottom removal and pole disposal when area is dry.	No	Improve access rd. Build foundation	Install structure Install wire Remove wood pole
78	APN 142-031-015 20698 Arnold Drive	Single Circuit Transmission Wood Pole	Eliminate	Pole to be completely removed.	N/A	Normal	No	Improve access rd.	Remove wood pole
79	APN 142-031-015 20698 Arnold Drive	Single Circuit Transmission Wood Pole	Double Circuit 115kV Transmission TSP (65 foot V2P)	Install next to the existing structure, back or ahead, to minimize impacts to vineyard operation.	Normal	Top removal during wet season then bottom removal and pole disposal when area is dry.	No	Improve access rd. Build foundation Install structure Remove pole top Remove pole base	Top wood pole Install wire
80	APN 142-031-015 20698 Arnold Drive	Single Circuit Transmission Wood Pole w/distribution line and buck.	Double Circuit 115kV Transmission TSP (80 foot V2D-G) w/distribution.	Relocate minimum of 10 feet south from centerline and pole to be away from creek. 22 degree angle.	Normal	Top removal during wet season then bottom removal and pole disposal when area is dry.	No	Improve access rd. Install gate Build foundation Install structure Remove pole top Remove pole base	Top wood pole Install wire
81	APN 142-031-015 20698 Arnold Drive	Single Circuit Transmission Wood Pole w/distribution.	Double Circuit 115kV Transmission TSP (75 foot LDSP) w/distribution.	Relocate minimum of 10 feet south from centerline and pole to be away from creek.	Normal	Top removal during wet season then bottom removal and pole disposal when area is dry.	No	Improve access rd. Build foundation Install structure Remove pole top Remove pole base	Top wood pole Install wire
82	APN 142-031-015 20698 Arnold Drive	Single Circuit Transmission Wood Pole w/distribution and secondary transformer.	Double Circuit 115kV Transmission TSP (70 foot V2P) w/distribution.	Relocate minimum of 10 feet south from centerline and pole to be away from creek. 20 degree angle.	Normal	Top removal during wet season then cut section disposal when area is dry.	No	Improve access rd. Build foundation Install structure Remove pole top	Top wood pole Install wire
83	APN 142-031-015 20698 Arnold Drive	Single Circuit Transmission Wood Pole w/distribution and secondary transformer.	Double Circuit 115kV Transmission TSP (75 foot LDSP) w/distribution.	Relocate minimum of 10 feet south from centerline and pole to be away from creek.	Normal	Top removal during wet season then cut section disposal when area is dry.	No	Improve access rd. Build foundation Install structure Remove pole top	Top wood pole Install wire

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					Tower	Line		Dry Season	Wet Season
<b>LAKEVILLE-SONOMA 115kV TRANSMISSION LINE</b>									
84	APN 142-031-015 20698 Arnold Drive	Single Circuit Transmission Wood Pole w/distribution.	Double Circuit 115kV Transmission TSP (70 foot V2P) w/distribution.	Relocate minimum of 10 feet south from centerline and pole to be away from creek. 27.2 degree angle.	Normal	Top removal during wet season then bottom removal and pole disposal when area is dry.	No	Improve access rd. Build foundation Install structure Remove pole top Remove pole base	Top wood pole Install wire
85	APN 142-031-015 20698 Arnold Drive	Single Circuit Transmission Wood Pole w/distribution line and buck.	Double Circuit 115kV Transmission TSP (75 foot LDSP) w/distribution.	Relocate minimum of 5 feet south from centerline and pole to be away from creek.	Normal	Top removal during wet season then bottom removal and pole disposal when area is dry.	No	Improve access rd. Build foundation Install structure Remove pole top Remove pole base	Top wood pole Install wire
86	APN 142-031-015 20698 Arnold Drive	Single Circuit Transmission Wood Pole w/distribution.	Double Circuit 115kV Transmission TSP (80 foot LDSP) w/distribution.	Relocate minimum of 5 feet south from centerline and pole to be away from creek.	Normal	Top removal during wet season then bottom removal and pole disposal when area is dry.	Yes - Pull site 6a & 6b. Pulling equipment will be set up on existing vineyard access road.	Construct access rd. Install/remove pads Build foundation Install structure Remove pole top	Pull wire Top wood pole
87	APN 142-031-015 20698 Arnold Drive	Single Circuit Transmission Wood Pole w/distribution (line and Buck).	Double Circuit 115kV Transmission TSP (80 foot LDSP) w/distribution.	Relocate minimum of 5 feet south from centerline and pole to be away from creek.	Normal	Top removal during wet season then bottom removal and pole disposal when area is dry.	No	Improve access rd. Build foundation Install structure Remove pole top Remove pole base	Top wood pole Install wire
88	APN 142-032-006 20500 Leveroni Road	Single Circuit Transmission Wood Pole w/distribution.	Double Circuit 115kV Transmission TSP (70 foot LDSP) w/distribution.	Install in place.	Normal	Normal	No	Improve access rd. Build foundation	Install structure Install wire Remove wood pole
89	West Side Intersection Arnold/Leveroni	Single Circuit Transmission Wood Pole w/distribution.	Double Circuit 115kV Transmission TSP (75 foot V2P) w/distribution under build.	Install in place.	Normal	Normal	No	Build foundation	Traffic control Install structure Install wire Remove wood pole
90	East Side Intersection Arnold/Leveroni	Single Circuit Transmission Wood Pole w/distribution.	Double Circuit 115kV Transmission Wood Pole(80 feet) w/distribution under build.	Install ahead next.	N/A	Normal	No		Traffic control Install structure Install wire Remove wood pole
91	Leveroni Road	Single Circuit Transmission Wood Pole w/distribution.	Double Circuit 115kV Transmission TSP (75 foot V2P) w/distribution under build.	Install directly ahead. 27.4 degree angle.	Normal	Normal	No		Traffic control Install rail guard Install structure Install wire
92	Leveroni Road	Single Circuit Transmission Wood Pole w/distribution.	Double circuit 115kV Transmission Wood Pole (75 feet) w/ distribution under build.	Install directly back.	N/A	Normal	No		Traffic control Install structure Install wire Remove wood pole
93	Leveroni Road	Single Circuit Transmission Wood Pole w/distribution.	Double circuit 115kV Transmission Wood Pole (75 feet) w/ distribution under build.	Install directly back.	N/A	Normal	No		Traffic control Install structure Install wire Remove wood pole
94	Leveroni Road	Single Circuit Transmission Wood Pole w/distribution.	Double circuit 115kV Transmission Wood Pole (75 feet) w/ distribution under build.	Install directly back.	N/A	Normal	No		Traffic control Install structure Install wire Remove wood pole
95	Leveroni Road	Single Circuit Transmission Wood Pole w/distribution.	Double circuit 115kV Transmission Wood Pole (75 feet) w/ distribution under build.	Relocate 5 feet back to avoid tree next to existing wood pole.	N/A	Normal	No		Traffic control Install structure Install wire Remove wood pole
96	Leveroni Road	Single Circuit Transmission Wood Pole w/distribution.	Double circuit 115kV Transmission Wood Pole (75 feet) w/ distribution under build.	Relocate 5 feet back to provide a greater distance from creek slope.	N/A	Normal	No		Traffic control Install structure Install wire Remove wood pole

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**Lakeville-Sonoma 115kV Transmission Line Project**

Pole Location No.	Address	Existing Facilities	Proposed Facilities	Proposal Location	Construction		Pull Site	Schedule	
					Tower	Line		Dry Season	Wet Season
<b>LAKEVILLE-SONOMA 115kV TRANSMISSION LINE</b>									
97	Leveroni Road	Single Circuit Transmission Wood Pole w/distribution.	Double circuit 115kV Transmission Wood Pole (75 feet) w/ distribution under build.	Install directly ahead.	N/A	Normal	No		Traffic control Install structure Install wire Remove wood pole
98	Leveroni Road	Single Circuit Transmission Wood Pole w/distribution.	Double circuit 115kV Transmission Wood Pole (75 feet) w/ distribution under build.	Relocate 5 feet ahead to avoid vegetation next to existing wood pole.	N/A	Normal	No		Traffic control Install structure Install wire Remove wood pole
99	Leveroni Road	Single Circuit Transmission Wood Pole w/distribution.	Double circuit 115kV Transmission Wood Pole (75 feet) w/ distribution under build.	Install directly ahead.	N/A	Normal	No		Traffic control Install structure Install wire Remove wood pole
100	Leveroni Road	Single Circuit Transmission Wood Pole w/distribution.	Double circuit 115kV Transmission Wood Pole (75 feet) w/ distribution under build.	Relocate 4 feet ahead.	N/A	Normal	No		Traffic control Install structure Install wire Remove wood pole
101	Leveroni Road	Single Circuit Transmission Wood Pole w/distribution.	Double circuit 115kV Transmission Wood Pole (75 feet) w/ distribution under build.	Relocate 5 feet ahead to avoid vegetation next to existing wood pole.	N/A	Normal	No		Traffic control Install structure Install wire Remove wood pole
102	Leveroni Road	Single Circuit Transmission Wood Pole w/distribution.	Double circuit 115kV Transmission Wood Pole (75 feet) w/ distribution under build.	Relocate 5 feet back to avoid vegetation next to existing wood pole.	N/A	Normal	No		Traffic control Install structure Install wire Remove wood pole
103	Leveroni Road	Single Circuit Transmission Wood Pole w/distribution.	Double circuit 115kV Transmission Wood Pole (75 feet) w/ distribution under build.	Relocate 5 feet ahead to improve secondary drop centerline.	N/A	Normal	No		Traffic control Install structure Install wire Remove wood pole
<b>Leveroni Road Staging Area</b>	APN 128-011-006 601 Leveroni Road	None	Staging Area including Helicopter Landing Zone	10 acre site			No		
104	Leveroni Road	Single Circuit Transmission Wood Pole w/distribution.	Double circuit 115kV Transmission Wood Pole (75 feet) w/ distribution under build.	Relocate new structure 5 feet back on centerline to avoid removal of existing vegetation.	N/A	Normal	No		Traffic control Install structure Install wire Remove wood pole
105	Leveroni Road	Single Circuit Transmission Wood Pole w/distribution.	Double circuit 115kV Transmission TSP (75 foot V2P)w/ distribution under build.	Relocate ahead as close as possible to the existing wood pole. Install guard rail to protect pole from car pole incident. Located in bottom of wide swale. Raise concrete level to keep steel out of water when swale fills with water during storms. Pull site at this location. 29.2 degree angle.	Normal	Normal	Yes - Pull site 7a & 7b - Will set up for pull back to Pull Site 6a. Will set up for pull ahead to Pull Site 8a.		Traffic control Install silt fencing Install guard rail Install structure Pull wire Remove wood pole
106	Leveroni Road	Single Circuit Transmission Wood Pole w/distribution.	Double circuit 115kV Transmission TSP (75 foot V2P)w/ distribution under build.	Relocate ahead as close as possible to the existing wood pole. Install guard rail to protect pole from car pole incident. 12 degree angle.	Normal	Normal	No	Build foundation	Traffic control Install guard rail Install crossing structure Install structure Install wire
107	Leveroni Road	Single Circuit Transmission Wood Pole w/distribution.	Double circuit 115kV Transmission TSP (75 foot V2P)w/ distribution under build.	Pole is to be located just back on the existing alignment. Sonoma Creek crossing. 4.5 degree angle.	Normal	Normal	No	Construct access rd. Install gate Install silt fencing Build foundation	Install structure Install wire Remove wood pole
108	Leveroni Road	Single Circuit Transmission Wood Pole w/distribution.	Double circuit 115kV Transmission Wood Pole (75 feet) w/ distribution under build.	Relocate 15 feet ahead due to proximity to Sonoma Creek. Great access off road. Line and buck on distribution. Sonoma Creek crossing.	N/A	Normal	No	Improve access rd.	Install structure Install wire Remove wood pole

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**Lakeville-Sonoma 115kV Transmission Line Project**

Pole Location No.	Address	Existing Facilities	Proposed Facilities	Proposal Location	Construction		Pull Site	Schedule	
					Tower	Line		Dry Season	Wet Season
<b>LAKEVILLE-SONOMA 115kV TRANSMISSION LINE</b>									
109	Leveroni Road	Single Circuit Transmission Wood Pole w/distribution.	Double circuit 115kV Transmission TSP (85 foot V2P)w/ distribution under build.	Replace in place due to riser on pole. Will need to shoo-fly for installation.	Normal	Normal	No		Traffic control Install structure Install shoo-fly Install wire Remove wood pole
110	Leveroni Road	Single Circuit Transmission Wood Pole w/distribution.	Double circuit 115kV Transmission (85 foot) w/ distribution under build on a wood pole.	Relocate new structure 5 feet ahead on centerline. Presently located at middle of established drainage. Will need silt fencing during work activity. May need to work off centerline to minimize impact on drainage.	N/A	Normal	No		Traffic control Install silt fencing Install structure Install wire Remove wood pole
111	Leveroni Road	Single Circuit Transmission Wood Pole w/distribution.	Double circuit 115kV Transmission (85 foot) w/ distribution under build on a wood pole.	Relocate new structure 5 feet back on centerline. Relocate to favor secondary tap angle out of tree which presently requires trimming. Presently located at middle of established drainage. Will need silt fencing during work activity. May need to work off centerline to minimize impact on drainage.	N/A	Normal	No		Traffic control Install silt fencing Install structure Install wire Remove wood pole
112	Leveroni Road	Single Circuit Transmission Wood Pole w/distribution.	Double circuit 115kV Transmission (85 foot) w/ distribution under build on a wood pole.	Relocate new structure 5 feet back on centerline. Relocate to favor secondary tap angle. Presently located at top of established drainage. Will need silt fencing during work activity.	N/A	Normal	No		Traffic control Install silt fencing Install structure Install wire Remove wood pole
113	Leveroni Road	Single Circuit Transmission Wood Pole w/distribution.	Double circuit 115kV Transmission (85 foot) w/ distribution under build on a wood pole.	Relocate new structure 5 feet ahead on centerline. Presently located on bank of established drainage. Will need silt fencing during work activity.	N/A	Normal	No		Traffic control Install silt fencing Install structure Install wire Remove wood pole
114	Leveroni Road	Single Circuit Transmission Wood Pole w/distribution.	Double circuit 115kV Transmission (85 foot) w/ distribution under build on a wood pole.	Relocate new structure 5 feet ahead on centerline. Presently located on bank of established drainage. Will need silt fencing during work activity.	N/A	Normal	No		Traffic control Install silt fencing Install structure Install wire Remove wood pole
115	Leveroni Road	Single Circuit Transmission Wood Pole w/distribution.	Double circuit 115kV Transmission (85 foot) w/ distribution under build on a wood pole.	Presently located between road and concrete culvert at natural creek. Tight work area for replacement. Replace in place.	N/A	Normal	No		Traffic control Install silt fencing Install structure Install wire Remove wood pole
116	Leveroni Road	Single Circuit Transmission Wood Pole w/distribution.	Double circuit 115kV Transmission (85 foot) w/ distribution under build on a wood pole.	Replace in place due to riser on pole. Will need to shoo-fly for installation.	N/A	Normal	No		Traffic control Install shoo-fly Install structure Install wire Remove wood pole
117	Leveroni Road	Single Circuit Transmission Wood Pole w/distribution.	Double circuit 115kV Transmission (85 foot) w/ distribution under build on a wood pole.	Relocate new structure 5 feet ahead on centerline.	N/A	Normal	No		Traffic control Install structure Install wire Remove wood pole
118	Leveroni Road	Single Circuit Transmission Wood Pole w/distribution.	Double circuit 115kV Transmission TSP (85 foot V2D-G) w/ distribution under build.	Replace in place due to drive way restrictions. Shoo-Fly required to install in place. Will need to work with property owners regarding traffic. 90 degree angle.	Normal	Normal			Traffic control Install shoo-fly Install structure Install wire Remove wood pole
<b>SONOMA-PUEBLO 115kV TRANSMISSION LINE</b>									

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**Lakeville-Sonoma 115kV Transmission Line Project**

Pole Location No.	Address	Existing Facilities	Proposed Facilities	Proposal Location	Construction		Pull Site	Schedule	
					Tower	Line		Dry Season	Wet Season
<b>LAKEVILLE-SONOMA 115kV TRANSMISSION LINE</b>									
119	Leveroni Road	Single Circuit Transmission w/ distribution under build on wood pole.	Double circuit 115kV Transmission TSP (85 foot V2D-G) with distribution under build.	Relocate 5 feet ahead on centerline to avoid waterline facilities being installed by property owner.	Normal	Normal	Yes - Pull Site 8a - Will pull one circuit back to Pull Site 7a and the same circuit ahead to the substation dead end.	Install foundation Install structure	Traffic control Install crossing structure Pull wire Remove wood pole
120	APN 128-261-008 140 Leveroni Rd Sonoma Sub. (PG&E Property)	Single Circuit Transmission only on wood pole.	Double circuit 115kV Transmission TSP (75 foot V2D-G) .	Relocate new structure 9 feet ahead on centerline. Access through substation. Will need to remove existing substation fencing fabric temporarily of install access gate. 90 degree angle.	Normal	Normal	No	Install foundation Install structure	Install wire Remove wood pole