



Los Angeles Department of Water & Power

2012 Ten-Year Transmission Assessment

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System Planning

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Appendix F. List of Contingencies Studied

Appendix F. LIST OF CONTINGENCIES STUDIED

CONT. NO.	FROM		TO		CKT
NERC CATEGORY B CONTINGENCY					
500kV Lines					
1	26003	ADELANTO	26115	RINALDI2	1
2	26003	ADELANTO	26079	TOLUCA	1
3	26044	MARKETPL	26003	ADELANTO	1
4	26044	MARKETPL	26048	MCCULLGH	1
5	26048	MCCULLGH	26105	VICTORVL	1
6	26105	VICTORVL	26003	ADELANTO	1
7	26105	VICTORVL	24086	LUGO	1
8	26105	VICTORVL	26062	RINALDI	1
287kV Lines					
9	26051	MEAD	26104	VICTORVL	1
10	26104	VICTORVL	26070	CNTURY1	1
11	26104	VICTORVL	26071	CNTURY2	1
230kV Lines					
12	26081	ATWATER	26068	STJOHN	1
13	26081	ATWATER	26080	VELASCO	1
14	26132	BARRENRD	26905	BCON230	1
15	26132	BARRENRD	26136	COTTONWD	1
16	26132	BARRENRD	26135	HSKLLCYN	2
17	26132	BARRENRD	26135	HSKLLCYN	3
18	26132	BARRENRD	26061	RINALDI	1
19	26010	CASTAIC	26035	HSKLLCYN	1
20	26010	CASTAIC	26086	NRTHRDGE	1
21	26010	CASTAIC	26052	OLIVE	1
22	26010	CASTAIC	26094	SYLMARLA	1
23	26013	GLENDAL	26081	ATWATER	1
24	26025	HAYNES	26081	ATWATER	1
25	26025	HAYNES	26063	RIVER	1
26	26025	HAYNES	26068	STJOHN	1
27	26025	HAYNES	26080	VELASCO	1
28	27031	PT230	26132	BARRENRD	1
29	26135	HSKLLCYN	26052	OLIVE	1
30	26086	NRTHRDGE	26093	TARZANA	1
31	26052	OLIVE	26086	NRTHRDGE	1
32	26061	RINALDI	26013	GLENDAL	1
33	26061	RINALDI	26135	HSKLLCYN	1
34	26061	RINALDI	26093	TARZANA	1
35	26066	SCATERGD	26087	OLYMPIC	2
36	26066	SCATERGD	26087	OLYMPIC	1
37	26068	STJOHN	26063	RIVER	1
38	26094	SYLMARLA	26135	HSKLLCYN	1
39	26094	SYLMARLA	26086	NRTHRDGE	1
40	26094	SYLMARLA	26061	RINALDI	1
41	26093	TARZANA	26087	OLYMPIC	3
42	26078	TOLUCA	26081	ATWATER	1
43	26078	TOLUCA	26082	HOLYWD_E	1
44	26078	TOLUCA	26182	HOLYWD_F	1
45	26103	VALLEY	26061	RINALDI	1
46	26103	VALLEY	26078	TOLUCA	1
47	26080	VELASCO	26072	CNTURYLD	1
48	24729	INYO	26136	COTTONWD	1
49	26946	OWENYOTP	26136	COTTONWD	1
50	26946	OWENYOTP	24729	INYO	1
51	26946	OWENYOTP	26998	ODLSR	1
52	26998	ODLSR	26136	COTTONWD	1
138kV Lines					
53	26069	CNTURY	26014	GRAMERC1	1
54	26069	CNTURY	26014	GRAMERCY	1
55	26069	CNTURY	26073	WLMNTN	1

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CONT. NO.	FROM		TO		CKT
56	26076	FAIRFAX	26089	AIRPORT	1
57	26076	FAIRFAX	26014	GRAMERC1	1
58	26076	FAIRFAX	26014	GRAMERCY	1
59	26076	FAIRFAX	26088	OLYMPCLD	1
60	26091	HARBOR	26073	WLMNTN	E
61	26019	HARB	26075	WLMNTNLD	A
62	26083	HOLYWD1	26076	FAIRFAX	1
63	26083	HOLYWD1	26085	HOLYWDLD	1
64	26065	SCATERGD	26089	AIRPORT	1
65	26095	TAP1	26016	HALLDALE	1
66	26096	TAP2	26016	HALLDALE	1
67	26095	TAP1	26014	GRAMERC1	1
68	26096	TAP2	26015	GRAMERC2	1
69	26095	TAP1	26014	GRAMERCY	1
70	26096	TAP2	26014	GRAMERCY	1
71	26092	TARZANA	26088	OLYMPCLD	1
72	26077	TOLUCA	26085	HOLYWDLD	2
73	26073	WLMNTN	26095	TAP1	1
74	26073	WLMNTN	26096	TAP2	1
75	26075	WLMNTNLD	26073	WLMNTN	1
76	26075	WLMNTNLD	26019	HARB	A
Auto-transformers					
77	26070	CNTURY1	26069	CNTURY	G
78	26071	CNTURY2	26069	CNTURY	F
79	26072	CNTURYLD	26069	CNTURY	E
80	26087	OLYMPCLD	26088	OLYMPCLD	E
81	26066	SCATERGD	26065	SCATERGD	1
82	26105	VICTORVL	26104	VICTORVL	1
NERC CATEGORY C5 CONTINGENCY					
500kV Lines					
1	26003	ADELANTO	26115	RINALDI2	1
	26105	VICTORVL	26062	RINALDI	1
2	26048	MCCULLGH	26105	VICTORVL	1
	26048	MCCULLGH	26105	VICTORVL	2
3	26105	VICTORVL	26003	ADELANTO	1
	26105	VICTORVL	26003	ADELANTO	2
4	26003	ADELANTO	26079	TOLUCA	1
	26003	ADELANTO	26044	MARKETPL	1
5	26003	ADELANTO	26105	VICTORVL	2
	26003	ADELANTO	26115	RINALDI2	1
6	26105	VICTORVL	26003	ADELANTO	1
	26105	VICTORVL	24086	LUGO	1
7	26003	ADELANTO	26105	VICTORVL	2
	26048	MCCULLGH	26105	VICTORVL	2
8	26048	MCCULLGH	26105	VICTORVL	1
	26048	MCCULLGH	24042	ELDORDO	1
345kV Lines					
9	27135	MWC345	26043	INTERMT	1
	26043	INTERMT	65995	MONA	1
287kV Lines					
10	26104	VICTORVL	26070	CNTURY1	1
	26104	VICTORVL	26071	CNTURY2	1
230kV Lines					
11	26010	CASTAIC	26135	HSKLLCYN	1
	26010	CASTAIC	26135	HSKLLCYN	2
12	26135	HSKLLCYN	26094	SYLMARLA	1
	26135	HSKLLCYN	26010	CASTAIC	1

Appendix F. LIST OF CONTINGENCIES STUDIED

CONT. NO.	FROM	TO	CKT
13	26135 HSKLLCYN	26052 OLIVE	1
	26010 CASTAIC	26135 HSKLLCYN	2
14	26135 HSKLLCYN	26061 RINALDI	1
	26010 CASTAIC	26135 HSKLLCYN	3
15	26013 GLENDAL	26081 ATWATER	1
	26013 GLENDAL	26061 RINALDI	2
16	26013 GLENDAL	26081 ATWATER	2
	26013 GLENDAL	26061 RINALDI	1
17	26103 VALLEY	26061 RINALDI	2
	26103 VALLEY	26078 TOLUCA	2
18	26132 BARRENRD	26061 RINALDI	1
	26103 VALLEY	26061 RINALDI	1
19	26094 SYLMARLA	26061 RINALDI	3
	26061 RINALDI	26093 TARZANA	1
20	26093 TARZANA	26086 NRTHRDGE	1
	26093 TARZANA	26087 OLYMPC	3
21	26013 GLENDAL	26081 ATWATER	1
	26013 GLENDAL	26081 ATWATER	2
22	26061 RINALDI	26113 GLENDAL	1
	26061 RINALDI	26113 GLENDAL	2
23	26061 RINALDI	26093 TARZANA	1
	26061 RINALDI	26093 TARZANA	2
24	26093 TARZANA	26087 OLYMPC	3
	26092 TARZANA	26088 OLYMPCLD	1
25	26103 VALLEY	26061 RINALDI	1
	26103 VALLEY	26061 RINALDI	2
26	26103 VALLEY	26078 TOLUCA	1
	26103 VALLEY	26078 TOLUCA	2
27	26080 VELASCO	26072 CNTURYLD	1
	26080 VELASCO	26072 CNTURYLD	2
28	26068 STJOHN	26063 RIVER	1
	26063 RIVER	26631 MKT A HI	A
29	26025 HAYNES	26080 VELASCO	1
	26063 RIVER	26632 MKT B HI	B
30	26063 RIVER	26080 VELASCO	1
	26063 RIVER	26633 MKT C HI	C
138kV Lines			
31	26065 SCATERGD	26089 AIRPORT	2
	26089 AIRPORT	26076 FAIRFAX	2
32	26065 SCATERGD	26089 AIRPORT	1
	26089 AIRPORT	26076 FAIRFAX	1
33	26069 CNTURY	26014 GRAMERC1	1
	26069 CNTURY	26015 GRAMERC2	1
34	26069 CNTURY	26014 GRAMERCY	1
	26069 CNTURY	26014 GRAMERCY	2
35	26069 CNTURY	26073 WLMNTN	1
	26069 CNTURY	26073 WLMNTN	2
36	26019 HARB	26075 WLMNTNLD	A
	26019 HARB	26075 WLMNTNLD	B
37	26073 WLMNTN	26091 HARBOR	D
	26073 WLMNTN	26091 HARBOR	E
38	26076 FAIRFAX	26089 AIRPORT	1
	26076 FAIRFAX	26089 AIRPORT	2
39	26076 FAIRFAX	26014 GRAMERC1	1
	26076 FAIRFAX	26015 GRAMERC2	1
40	26076 FAIRFAX	26014 GRAMERCY	1
	26076 FAIRFAX	26014 GRAMERCY	2
41	26076 FAIRFAX	26083 HOLYWD1	1
	26076 FAIRFAX	26084 HOLYWD2	1

Appendix F. LIST OF CONTINGENCIES STUDIED

CONT. NO.	FROM		TO		CKT
42	26095	TAP 1	26014	GRAMERC1	1
	26096	TAP 2	26015	GRAMERC2	1
43	26095	TAP 1	26014	GRAMERCY	1
	26096	TAP 2	26014	GRAMERCY	1
44	26073	WLMNTN	26095	TAP 1	1
	26073	WLMNTN	26096	TAP 2	1
45	26091	HARBOR	26095	TAP 1	1
	26091	HARBOR	26096	TAP 2	1
46	26016	HALLDALE	26095	TAP 1	1
	26016	HALLDALE	26096	TAP 2	1
NERC CATEGORY C2 CONTINGENCY					
500kV Lines					
1	26003	ADELANTO	26115	RINALDI2	1
	26105	VICTORVL	26003	ADELANTO	2
2	26003	ADELANTO	26079	TOLUCA	1
	26044	MARKETPL	26003	ADELANTO	1
3	26105	VICTORVL	26003	ADELANTO	1
	24086	LUGO	26105	VICTORVL	1
4	26105	VICTORVL	26003	ADELANTO	2
	26048	MCCULLGH	26105	VICTORVL	2
5	26048	MCCULLGH	26105	VICTORVL	1
	24042	ELDORDO	26048	MCCULLGH	1
6	14003	NAVAJO	26123	CRYSTAL	1
	26123	CRYSTAL	26048	MCCULLGH	1
345kV Lines					
7	27135	MWC345	26043	INTERMT	1
	26043	INTERMT	65995	MONA	1
230kV Lines					
8	26010	SYLMARLA	26135	HSKLLCYN	1
	26010	CASTAIC	26135	HSKLLCYN	1
9	26135	HSKLLCYN	26052	OLIVE	1
	26010	CASTAIC	26135	HSKLLCYN	2
10	26135	HSKLLCYN	26061	RINALDI	1
	26010	CASTAIC	26135	HSKLLCYN	3
11	26081	ATWATER	26013	GLENDAL	1
	26061	RINALDI	26013	GLENDAL	2
12	26081	ATWATER	26013	GLENDAL	2
	26061	RINALDI	26013	GLENDAL	1
13	26103	VALLEY	26061	RINALDI	2
	26103	VALLEY	26078	TOLUCA	2
14	26094	SYLMARLA	26061	RINALDI	3
	26010	CASTAIC	26094	SYLMARLA	1
15	26094	SYLMARLA	26061	RINALDI	3
	26061	RINALDI	26093	TARZANA	1
16	26086	NRTHRDGE	26093	TARZANA	1
	26093	TARZANA	26087	OLYMPIC	3
17	26068	STJOHN	26063	RIVER	1
	26063	RIVER	26631	MKT "A"	A
18	26025	HAYNES	26063	RIVER	1
	26063	RIVER	26632	MKT "B"	B
19	26063	RIVER	26080	VELASCO	1
	26063	RIVER	26633	MKT "C"	C
20	26132	BARRENRD	26061	RINALDI	1
	24729	INYO	26132	BARRENRD	1
21	26132	BARRENRD	26061	RINALDI	1
	26103	VALLEY	26061	RINALDI	1
22	26065	SCATERGD	26089	AIRPORT	2
	26089	AIRPORT	26076	FAIRFAX	2
23	26065	SCATERGD	26089	AIRPORT	1
	26089	AIRPORT	26076	FAIRFAX	1