

	A	B	C	D	E	F	G	H	I	J	K
	RETI PHASE 2A TRANSMISSION LINE SEGMENT ANALYSIS			MDPT_DESC_1	DESC_DEVR_1	JULH_EGMT_1	JULH_EGMT_2	JULH_DESC_1	JULH_DESC_2	DEVR_VALL_3	IRMT_SCEJ_1
1											
2	Environmental Concerns Checklist			3	4	5	6	7	8	9	10
3	Segment length in miles			50	68	15	15	20	20	40	39
4	Category One Lands (some limited tx may be allowed)										
5	Designated Federal Wilderness Areas/Wilderness Study Areas (BLM)										
6	National Park Service Units (including Mojave Preserve)							X	X		
7	National Wildlife Refuges				X						
8	Inventoried Roadless Areas (USFS)										
9	BLM Natl. Recreation Areas/Natl. Monuments/Natl. Conservation Areas									X	
10	National Historic and/or Scenic Trails/National Wild, Scenic and/or Recreational Rivers										
11	Lands in Pending Wilderness Bills										
12	HCP and NCCP Hard Reserves				X						
13	State Wildlife Areas and Ecological Reserves (DFG)/California State Wetlands				X						
14	State Parks/State Wilderness Areas										
15	Wildlands Conservancy and Other Private Preserves										
16	Research Natural Areas (RNA) or Special Interest Areas (SIA)										
17	Category Two Lands (limited tx)										
18	BLM Areas of Critical Environmental Concern (ACEC)			X	X						
19	Designated Critical Habitat T&E Species			X	X						X
20	Desert Wildlife Management Areas (DWMA)			X							X
21	Mojave Ground Squirrel Conservation Areas (MGSCA)										
22	Wildlands Conservancy acquisitions under BLM ownership										X
23	Proposed and Potential Conservation Reserves in HCPs and NCCPs									X	
24	Conservation Easements										
25	Other Environmental Concerns										
26	Identified cultural resources			X							X
27	Visual resources									X	
28	Williamson Act										
29	Other important wildlife habitat									X	
30	Citizen-proposed wilderness areas										
31	Proposed Mother Road National Monument										
32											X
33	Other Relevant Information (e.g., line size)										
34											
35											
36	ROW/Corridor Information										
37	1 ROW no change					X	X			X	X
38	2 ROW expansion			X	X			X	X		
39	3 New ROW in designated corridor										
40	4 New ROW co-located but NOT in a designated corridor.										
41	5 New ROW not collocated and NOT in a designated corridor										
42	Segment/Section Information										
43	1 Upgrade/no footprint change										
44	2 Rebuild/footprint changes					X	X			X	X
45	3 New line			X	X			X	X		
46											
47											
48	Environmental Concern (Low, Medium, High)			H	H	L	L	H	H	H	H

Cell: D33
Comment: rjohnson:
 Cumulative impact to ACEC and DWMA
Cell: H33
Comment: rjohnson:
 Project would have to avoid Joshua Tree NP and ACEC
Cell: I33
Comment: rjohnson:
 Low concern for adding new circuit assuming project 7 is built,
 but high concern is given to be consistent with the first line
Cell: J33
Comment: rjohnson:
 multiple final HCPs in the area and soft HCP
 visual concern for the Palms to Pines scenic hwy
Cell: K33
Comment: rjohnson:
 Existing row goes through proposed Mother Road Monument

	A	B	C	D	E	F	G	H	I	J	K
	RETI PHASE 2A TRANSMISSION LINE SEGMENT ANALYSIS	IRMT_SCEJ_2	SCEJ_CAML_1	SCEJ_PISG_1	SCEJ_PISG_2	MTPS_BARS_1	BARS_LUGO_1	PISG_LUCV_1	LUCV_LUGO_1	PISG_MIRA_1	CONT_LPIN_1
1											
2	Environmental Concerns Checklist	11	12	13	14	15	16	17	18	19	20
3	Segment length in miles	39	22	78	78	109	52	53	24	118	50
4	Category One Lands (some limited tx may be allowed)										
5	Designated Federal Wilderness Areas/Wilderness Study Areas (BLM)										
6	National Park Service Units (including Mojave Preserve)										
7	National Wildlife Refuges										
8	Inventoried Roadless Areas (USFS)										
9	BLM Natl. Recreation Areas/Natl. Monuments/Natl. Conservation Areas										
10	National Historic and/or Scenic Trails/National Wild, Scenic and/or Recreational Rivers										
11	Lands in Pending Wilderness Bills										
12	HCP and NCCP Hard Reserves										
13	State Wildlife Areas and Ecological Reserves (DFG)/California State Wetlands										
14	State Parks/State Wilderness Areas										
15	Wildlands Conservancy and Other Private Preserves										
16	Research Natural Areas (RNA) or Special Interest Areas (SIA)										
17	Category Two Lands (limited tx)										
18	BLM Areas of Critical Environmental Concern (ACEC)										
19	Designated Critical Habitat T&E Species	X	X			X	X	X	X	X	
20	Desert Wildlife Management Areas (DWMA)	X	X			X	X				
21	Mojave Ground Squirrel Conservation Areas (MGSCA)						X				
22	Wildlands Conservancy acquisitions under BLM ownership	X	X	X	X						
23	Proposed and Potential Conservation Reserves in HCPs and NCCPs										
24	Conservation Easements										
25	Other Environmental Concerns										
26	Identified cultural resources	X				X					
27	Visual resources			X	X	X					X
28	Williamson Act										
29	Other important wildlife habitat			X	X		X	X	X	X	
30	Citizen-proposed wilderness areas										
31	Proposed Mother Road National Monument		X	X	X						
32		X									
33	Other Relevant Information (e.g., line size)										
34											
35											
36	ROW/Corridor Information										
37	1 ROW no change	X	X								X
38	2 ROW expansion					X					
39	3 New ROW in designated corridor			X	X		X		X	X	
40	4 New ROW co-located but NOT in a designated corridor.							X			
41	5 New ROW not collocated and NOT in a designated corridor										
42	Segment/Section Information										
43	1 Upgrade/no footprint change										
44	2 Rebuild/footprint changes	X	X								X
45	3 New line			X	X	X	X	X	X	X	
46											
47											
48	Environmental Concern (Low, Medium, High)	H	H	H	H	M	H	H	H	H	L

Cell: B33
Comment: rjohnson:
Existing row goes through proposed Mojave Desert National Monument
Cell: C33
Comment: rjohnson:
Existing row goes through proposed Mojave Desert National Monument
Cell: G33
Comment: rjohnson:
Desert tortoise and fly catcher critical habitat and riparian concerns
Cell: H33
Comment: rjohnson:
need to avoid category 1 and 2 areas - need to see better maps
Cell: I33
Comment: rjohnson:
need clarification on the designated corridor between lucerne and lugo
Cell: J33
Comment: rjohnson:
Section 1 is medium with high concern unless critical habitat and mitigation banks can be avoided in the Cajon Pass
Section 2 is on open position of new towers??

	A	B	C	D	E	F	G	H	I	J	K
	RETI PHASE 2A TRANSMISSION LINE SEGMENT ANALYSIS	LPIN_INYK_1	INYK_KRAM_1	KRAM_LUGO_1	KRAM_ANTE_1	LUGO_VICT_2	IMPV_XFMR_3	IMPV_DEVR_1	IMPV_XFMR_2	MIDW_KRAM_1	MIDW_KRAM_2
1											
2	Environmental Concerns Checklist	21	22	23	24	25	26	27	28	29	30
3	Segment length in miles	52	68	48	36	13	0.0246	120	0.0246	135	135
4	Category One Lands (some limited tx may be allowed)										
5	Designated Federal Wilderness Areas/Wilderness Study Areas (BLM)										
6	National Park Service Units (including Mojave Preserve)										
7	National Wildlife Refuges							X			
8	Inventoried Roadless Areas (USFS)										
9	BLM Natl. Recreation Areas/Natl. Monuments/Natl. Conservation Areas										
10	National Historic and/or Scenic Trails/National Wild, Scenic and/or Recreational Rivers										
11	Lands in Pending Wilderness Bills										
12	HCP and NCCP Hard Reserves							X			
13	State Wildlife Areas and Ecological Reserves (DFG)/California State Wetlands							X			
14	State Parks/State Wilderness Areas										
15	Wildlands Conservancy and Other Private Preserves										
16	Research Natural Areas (RNA) or Special Interest Areas (SIA)										
17	Category Two Lands (limited tx)										
18	BLM Areas of Critical Environmental Concern (ACEC)	X	X	X							
19	Designated Critical Habitat T&E Species		X	X							
20	Desert Wildlife Management Areas (DWMA)		X	X							
21	Mojave Ground Squirrel Conservation Areas (MGSCA)	X	X	X							
22	Wildlands Conservancy acquisitions under BLM ownership										
23	Proposed and Potential Conservation Reserves in HCPs and NCCPs							X			
24	Conservation Easements										
25	Other Environmental Concerns										
26	Identified cultural resources	X	X	X				X			
27	Visual resources	X	X	X				X		X	X
28	Williamson Act							X		X	X
29	Other important plant and wildlife habitat				X			X		X	X
30	Citizen-proposed wilderness areas										
31	Proposed Mother Road National Monument										
32											
33	Other Relevant Information (e.g., line size)	X			X			X			
34											
35											
36	ROW/Corridor Information										
37	1 ROW no change	X					X		X		
38	2 ROW expansion		X	X		X					
39	3 New ROW in designated corridor									X	X
40	4 New ROW co-located but NOT in a designated corridor.										
41	5 New ROW not collocated and NOT in a designated corridor				X			X			
42	Segment/Section Information										
43	1 Upgrade/no footprint change								X		
44	2 Rebuild/footprint changes	X					X				
45	3 New line		X	X	X	X		X		X	X
46											
47											
48	Environmental Concern (Low, Medium, High)	M	H	H	L	L		H		H	H

Cell: H12
Comment: rjohnson:
possible fringed-toed lizard preserve near Thousand Palms Oasis
Cell: H23
Comment: rjohnson:
potential Coachella Valley MSHCP preserve
Cell: E29
Comment: rjohnson:
mgs, desert cymopterus, barstow wooly sunflower, alkali mariposa lily(?), burrowing owl(?)
Cell: H29
Comment: rjohnson:
flat-tailed horned lizard management area, burrowing owl
Cell: J29
Comment: rjohnson:
Blunt-nosed leopard lizard, sj kit fox, condor, mgs, desert tortoise
Cell: K29
Comment: rjohnson:
Blunt-nosed leopard lizard, sj kit fox, condor, mgs, desert tortoise
Cell: B33
Comment: rjohnson:
medium concern with avoidance of cultural resources
Cell: E33
Comment: rjohnson:
potential military concerns
Cell: H33
Comment: rjohnson:
segment will need to avoid possible Torres Martinez tribal lands
Cell: E48
Comment: rjohnson:
low with adequate survey and mitigation and use of existing infrastructure roads
Cell: F48
Comment: rjohnson:
low with adequate survey and mitigation and use of existing infrastructure roads

	A	B	C	D	E	F	G	H	I	J	K
	RETI PHASE 2A TRANSMISSION LINE SEGMENT ANALYSIS	CARZ_MIDW	MBAY_GATE_1	MIDW_GREG_1	MIDW_GREG_2	SELK_NEO_1	SELK_NEO_2	NEO_COLL_1	COLL_PITT_1	COLL_PITT_2	COLL_TROY_1
1											
2	Environmental Concerns Checklist	31	32	33	34	35	36	37	38	39	40
3	Segment length in miles	46	70	141	141	270	270	640	1	1	40
4	Category One Lands (some limited tx may be allowed)										
5	Designated Federal Wilderness Areas/Wilderness Study Areas (BLM)										
6	National Park Service Units (including Mojave Preserve)										
7	National Wildlife Refuges							X			
8	Inventoried Roadless Areas (USFS)										
9	BLM Natl. Recreation Areas/Natl. Monuments/Natl. Conservation Areas										
10	National Historic and/or Scenic Trails/National Wild, Scenic and/or Recreational Rivers										
11	Lands in Pending Wilderness Bills										
12	HCP and NCCP Hard Reserves										
13	State Wildlife Areas and Ecological Reserves (DFG)/California State Wetlands							X			X
14	State Parks/State Wilderness Areas										
15	Wildlands Conservancy and Other Private Preserves							X			
16	Research Natural Areas (RNA) or Special Interest Areas (SIA)										
17	Category Two Lands (limited tx)										
18	BLM Areas of Critical Environmental Concern (ACEC)										
19	Designated Critical Habitat T&E Species	X	X					X	X	X	
20	Desert Wildlife Management Areas (DWMA)										
21	Mojave Ground Squirrel Conservation Areas (MGSCA)										
22	Wildlands Conservancy acquisitions under BLM ownership										
23	Proposed and Potential Conservation Reserves in HCPs and NCCPs										
24	Conservation Easements							X			X
25	Other Environmental Concerns										
26	Identified cultural resources										
27	Visual resources			X	X			X	X	X	X
28	Williamson Act	X	X	X	X			X	X	X	X
29	Other important wildlife habitat	X	X	X	X			X	X	X	X
30	Citizen-proposed wilderness areas							X			
31	Proposed Mother Road National Monument										
32											
33	Other Relevant Information (e.g., line size)										
34											
35											
36	ROW/Corridor Information										
37	1 ROW no change	X	X								
38	2 ROW expansion										
39	3 New ROW in designated corridor					X	X	X			
40	4 New ROW co-located but NOT in a designated corridor.			X	X						X
41	5 New ROW not collocated and NOT in a designated corridor								X	X	
42	Segment/Section Information										
43	1 Upgrade/no footprint change										
44	2 Rebuild/footprint changes	X	X								
45	3 New line			X	X	X	X	X	X	X	X
46											
47											
48	Environmental Concern (Low, Medium, High)	M	M	M	M			H	L	L	M

Cell: H19
Comment: rjohnson:
 possible sage grouse, swainson hawk, giant garter snake
Cell: I28
Comment: rjohnson:
 potential williamson act
Cell: H29
Comment: rjohnson:
 vernal pools
Cell: K29
Comment: rjohnson:
 Altamont avian issues
Cell: B48
Comment: rjohnson:
 Medium concern if rebuild does not need to expand the row. level of concern
 would be high if row footprint is increased.
Cell: C48
Comment: rjohnson:
 same comment for project 31 carizzo to midway
Cell: I48
Comment: rjohnson:
 need to determine aquatic impacts from underwater cable (7 cables)

	A	B	C	D	E	F	G	H	I	J	K
	RETI PHASE 2A TRANSMISSION LINE SEGMENT ANALYSIS	GREG_ALPHA_1	GREG_ALPHA_2	TRCY_ALPHA_2	MIDW_VINC_3	ZETA1_RAVD_1	ZETA1_RAVD_2	ZETA1_RDMT_1	ZETA1_OLND_1	OLND_DILL_1	DILL_TRCY2_1
1											
2	Environmental Concerns Checklist	41	42	43	44	45	46	47	48	49	50
3	Segment length in miles	100	100	45	105	91	87	1	42	114	43
4	Category One Lands (some limited tx may be allowed)										
5	Designated Federal Wilderness Areas/Wilderness Study Areas (BLM)										
6	National Park Service Units (including Mojave Preserve)										
7	National Wildlife Refuges										
8	Inventoried Roadless Areas (USFS)										
9	BLM Natl. Recreation Areas/Natl. Monuments/Natl. Conservation Areas										
10	National Historic and/or Scenic Trails/National Wild, Scenic and/or Recreational Rivers					X	X				
11	Lands in Pending Wilderness Bills										
12	HCP and NCCP Hard Reserves										
13	State Wildlife Areas and Ecological Reserves (DFG)/California State Wetlands					X	X			X	X
14	State Parks/State Wilderness Areas								X		
15	Wildlands Conservancy and Other Private Preserves								X		
16	Research Natural Areas (RNA) or Special Interest Areas (SIA)					X	X				X
17	Category Two Lands (limited tx)										
18	BLM Areas of Critical Environmental Concern (ACEC)					X	X			X	X
19	Designated Critical Habitat T&E Species					X	X			X	
20	Desert Wildlife Management Areas (DWMA)										
21	Mojave Ground Squirrel Conservation Areas (MGSCA)										
22	Wildlands Conservancy acquisitions under BLM ownership										
23	Proposed and Potential Conservation Reserves in HCPs and NCCPs										X
24	Conservation Easements									X	X
25	Other Environmental Concerns										
26	Identified cultural resources					X	X		X	X	
27	Visual resources	X	X	X		X	X	X	X	X	X
28	Williamson Act	X	X						X	X	X
29	Other important wildlife habitat	X	X		X					X	X
30	Citizen-proposed wilderness areas										
31	Proposed Mother Road National Monument										
32											
33	Other Relevant Information (e.g., line size)							X	X		X
34											
35											
36	ROW/Corridor Information										
37	1 ROW no change			X	X						
38	2 ROW expansion							X			
39	3 New ROW in designated corridor										
40	4 New ROW co-located but NOT in a designated corridor.	X	X						X		X
41	5 New ROW not collocated and NOT in a designated corridor					X	X			X	
42	Segment/Section Information										
43	1 Upgrade/no footprint change			X	X						
44	2 Rebuild/footprint changes										
45	3 New line	X	X			X	X	X	X	X	X
46											
47											
48	Environmental Concern (Low, Medium, High)	M	M	L	L	H	H	H	M	H	H

Cell: F19
Comment: rjohnson:
possible sage grouse, N. spotted owl, bald eagle
Cell: G19
Comment: rjohnson:
possible sage grouse, N. spotted owl, bald eagle
Cell: F26
Comment: rjohnson:
possible sacred sites
Cell: J29
Comment: rjohnson:
bald eagle
Cell: H33
Comment: rjohnson:
cumulative impacts with new 500 kV substation and existing transmission.
Possible social and EJ issues.
Cell: I33
Comment: rjohnson:
cumulative impacts from multiple lines
Cell: I48
Comment: rjohnson:
Could be lower if in existing ROW or expanded ROW

	A	B	C	D	E	F	G	H	I	J	K
	RETI PHASE 2A TRANSMISSION LINE SEGMENT ANALYSIS	TRCY2_TRCY_1	TRCY2_ALPH4_1	ALPH4_PARK_1	ALPH4_PARK_2	ALPH4_ALPH1_1	ALPH4_ALPH1_2	TRCY_LIVR_1	LIVR_DELT_1	TESL_NEWK_1	OWNG_RNLD
1											
2	Environmental Concerns Checklist	51	52	53	54	55	56	57	58	59	60
3	Segment length in miles	1	45	11	11	14	14	13	1.6	29	75
4	Category One Lands (some limited tx may be allowed)										
5	Designated Federal Wilderness Areas/Wilderness Study Areas (BLM)										
6	National Park Service Units (including Mojave Preserve)										
7	National Wildlife Refuges								X	X	
8	Inventoried Roadless Areas (USFS)										
9	BLM Natl. Recreation Areas/Natl. Monuments/Natl. Conservation Areas										
10	National Historic and/or Scenic Trails/National Wild. Scenic and/or Recreational Rivers										X
11	Lands in Pending Wilderness Bills										
12	HCP and NCCP Hard Reserves										
13	State Wildlife Areas and Ecological Reserves (DFG)/California State Wetlands										
14	State Parks/State Wilderness Areas								X	X	
15	Wildlands Conservancy and Other Private Preserves								X	X	
16	Research Natural Areas (RNA) or Special Interest Areas (SIA)										
17	Category Two Lands (limited tx)										
18	BLM Areas of Critical Environmental Concern (ACEC)										
19	Designated Critical Habitat T&E Species										
20	Desert Wildlife Management Areas (DWMA)										
21	Mojave Ground Squirrel Conservation Areas (MGSCA)										
22	Wildlands Conservancy acquisitions under BLM ownership										
23	Proposed and Potential Conservation Reserves in HCPs and NCCPs										
24	Conservation Easements										
25	Other Environmental Concerns								X	X	
26	Identified cultural resources	X	X	X	X	X	X		X	X	
27	Visual resources	X	X	X	X	X	X		X	X	
28	Williamson Act	X	X	X	X	X	X	X	X	X	
29	Other important wildlife habitat										
30	Citizen-proposed wilderness areas										
31	Proposed Mother Road National Monument										
32											
33	Other Relevant Information (e.g., line size)								X	X	
34											
35											
36	ROW/Corridor Information										
37	1 ROW no change							X			X
38	2 ROW expansion	X								X	
39	3 New ROW in designated corridor										
40	4 New ROW co-located but NOT in a designated corridor.					X	X				
41	5 New ROW not collocated and NOT in a designated corridor		X	X	X				X		
42	Segment/Section Information										
43	1 Upgrade/no footprint change										X
44	2 Rebuild/footprint changes										
45	3 New line	X	X	X	X	X	X	X	X	X	
46											
47											
48	Environmental Concern (Low, Medium, High)	L	M	M	M	M	M	L	H	M	

Cell: B28
Comment: rjohnson:
 possible kit fox
Cell: I33
Comment: rjohnson:
 possible EJ issue
Cell: J48
Comment: rjohnson:
 medium concern if the line does not go
 through a regional park

	A	B	C	D	E	F	G	H	I	J	K
	RETI PHASE 2A TRANSMISSION LINE SEGMENT ANALYSIS	BRNR_HASC_1	BRNR_HASC_2	CAST_HASC_2	IMPV_DXL_1	CHCV_MIRG_1	CHCV_MIRG_2	MIRG_DEVR_1	MIRG_DEVR_2	CHCV_DVR2_1	CHCV_DVR2_2
1											
2	Environmental Concerns Checklist	61	62	63	64	65	66	67	68	69	70
3	Segment length in miles	60	60	12	8	78	78	15	15	35	35
4	Category One Lands (some limited tx may be allowed)										
5	Designated Federal Wilderness Areas/Wilderness Study Areas (BLM)										
6	National Park Service Units (including Mojave Preserve)										
7	National Wildlife Refuges										
8	Inventoried Roadless Areas (USFS)										
9	BLM Natl. Recreation Areas/Natl. Monuments/Natl. Conservation Areas										
10	National Historic and/or Scenic Trails/National Wild, Scenic and/or Recreational Rivers	X	X								
11	Lands in Pending Wilderness Bills										
12	HCP and NCCP Hard Reserves										
13	State Wildlife Areas and Ecological Reserves (DFG)/California State Wetlands										
14	State Parks/State Wilderness Areas										
15	Wildlands Conservancy and Other Private Preserves										
16	Research Natural Areas (RNA) or Special Interest Areas (SIA)										
17	Category Two Lands (limited tx)										
18	BLM Areas of Critical Environmental Concern (ACEC)				X						
19	Designated Critical Habitat T&E Species	?	?								
20	Desert Wildlife Management Areas (DWMA)										
21	Mojave Ground Squirrel Conservation Areas (MGSCA)										
22	Wildlands Conservancy acquisitions under BLM ownership										
23	Proposed and Potential Conservation Reserves in HCPs and NCCPs										
24	Conservation Easements										
25	Other Environmental Concerns										
26	Identified cultural resources	X	X							X	X
27	Visual resources	X	X								
28	Williamson Act										
29	Other important wildlife habitat	X	X		X					X	X
30	Citizen-proposed wilderness areas										
31	Proposed Mother Road National Monument										
32											
33	Other Relevant Information (e.g., line size)	X	X								
34											
35											
36	ROW/Corridor Information										
37	1 ROW no change			X		X	X	X	X		
38	2 ROW expansion	X	X								
39	3 New ROW in designated corridor									X	X
40	4 New ROW co-located but NOT in a designated corridor.										
41	5 New ROW not collocated and NOT in a designated corridor				X						
42	Segment/Section Information										
43	1 Upgrade/no footprint change			X		X	X	X	X		
44	2 Rebuild/footprint changes										
45	3 New line	X	X		X					X	X
46											
47											
48	Environmental Concern (Low, Medium, High)	H	H	L	H	L	L	L	L	H	H

Cell: E18
Comment: rjohnson:
 Yuha desert management area
Cell: B19
Comment: rjohnson:
 check with USFWS
Cell: C19
Comment: rjohnson:
 check with USFWS
Cell: B29
Comment: rjohnson:
 possible arroyo toad
Cell: C29
Comment: rjohnson:
 possible arroyo toad
Cell: E29
Comment: rjohnson:
 flat-tailed horned lizard, Yuha desert management area
Cell: J29
Comment: rjohnson:
 possible fringed-toed lizard preserve near Thousand Palms Oasis
Cell: K29
Comment: rjohnson:
 possible fringed-toed lizard preserve near Thousand Palms Oasis
Cell: B33
Comment: rjohnson:
 possible sensitive plants
Cell: C33
Comment: rjohnson:
 possible sensitive plants

	A	B	C	D	E	F	G	H	I	J	K
	RETI PHASE 2A TRANSMISSION LINE SEGMENT ANALYSIS	DEVF_DVR2_1	BANN_GEO1	ELCN_HILN_1	ELCN_HILN_2	DROP4_HILN_1	BANN_ELCN_1	ELCN_IMP2_2	BANN_CHCV_1	BANN_GEO_2	DIXL_BANN
1											
2	Environmental Concerns Checklist	71	72	73	74	75	76	77	78	79	80
3	Segment length in miles	0.3	16	19	19	1	27.5	18	56.2	16	43
4	Category One Lands (some limited tx may be allowed)										
5	Designated Federal Wilderness Areas/Wilderness Study Areas (BLM)										
6	National Park Service Units (including Mojave Preserve)										
7	National Wildlife Refuges		X						X	X	
8	Inventoried Roadless Areas (USFS)										
9	BLM Natl. Recreation Areas/Natl. Monuments/Natl. Conservation Areas										
10	National Historic and/or Scenic Trails/National Wild, Scenic and/or Recreational Rivers										
11	Lands in Pending Wilderness Bills										
12	HCP and NCCP Hard Reserves										
13	State Wildlife Areas and Ecological Reserves (DFG)/California State Wetlands								X		
14	State Parks/State Wilderness Areas										
15	Wildlands Conservancy and Other Private Preserves										
16	Research Natural Areas (RNA) or Special Interest Areas (SIA)										
17	Category Two Lands (limited tx)										
18	BLM Areas of Critical Environmental Concern (ACEC)		?			X	?			?	
19	Designated Critical Habitat T&E Species										
20	Desert Wildlife Management Areas (DWMA)										
21	Mojave Ground Squirrel Conservation Areas (MGSCA)										
22	Wildlands Conservancy acquisitions under BLM ownership										
23	Proposed and Potential Conservation Reserves in HCPs and NCCPs										
24	Conservation Easements										
25	Other Environmental Concerns										
26	Identified cultural resources		X			X			X	X	X
27	Visual resources								X		
28	Williamson Act			X	X		X	X	X	X	X
29	Other important wildlife habitat		X	X	X		X		X	X	X
30	Citizen-proposed wilderness areas										
31	Proposed Mother Road National Monument										
32											
33	Other Relevant Information (e.g., line size)					X					
34											
35											
36	ROW/Corridor Information										
37	1 ROW no change										
38	2 ROW expansion			X	X		X	X	X		X
39	3 New ROW in designated corridor	X									
40	4 New ROW co-located but NOT in a designated corridor.										
41	5 New ROW not collocated and NOT in a designated corridor		X			X				X	
42	Segment/Section Information										
43	1 Upgrade/no footprint change										X
44	2 Rebuild/footprint changes			X	X		X	X	X		
45	3 New line	X	X			X				X	
46											
47											
48	Environmental Concern (Low, Medium, High)	L	H	L	L	H	M	L	H	H	M

Cell: F18
Comment: rjohnson:
 Algodones dunes ACEC
 Cell: C29
Comment: rjohnson:
 flat tailed horned lizard, migratory waterfowl, burrowing owl
 Cell: D29
Comment: rjohnson:
 burrowing owl
 Cell: E29
Comment: rjohnson:
 burrowing owl
 Cell: G29
Comment: rjohnson:
 flat tailed horned lizard, burrowing owl
 Cell: I29
Comment: rjohnson:
 fringe toed lizard conservation area (Coachella Valley preserve,
 burrowing owl
 Cell: J29
Comment: rjohnson:
 flat tailed horned lizard, migratory waterfowl, burrowing owl
 Cell: K29
Comment: rjohnson:
 flat tailed horned lizard, migratory waterfowl, burrowing owl
 Cell: F33
Comment: rjohnson:
 Looks like 5 miles not 1

	A	B	C	D	E	F	G	H	I	J
	RETI PHASE 2A TRANSMISSION LINE SEGMENT ANALYSIS	BANN_AV66_1	AV66_CHCV_1	MIDW_GEO_1	MIDW_GEO_2	MTPS_ELDO_1	MTPS_BAKR1_1	BAKR1_BARS1_1	IMPV_BANN_1	BANN_DEVR_1
1										
2	Environmental Concerns Checklist	81	82	83	84	85	86	87	88	89
3	Segment length in miles	61	17.5	16	16	27	44	42	51	91.2
4	Category One Lands (some limited tx may be allowed)									
5	Designated Federal Wilderness Areas/Wilderness Study Areas (BLM)							X		
6	National Park Service Units (including Mojave Preserve)						X	X		
7	National Wildlife Refuges								X	X
8	Inventoried Roadless Areas (USFS)									
9	BLM Natl. Recreation Areas/Natl. Monuments/Natl. Conservation Areas									
10	National Historic and/or Scenic Trails/National Wild, Scenic and/or Recreational Rivers									
11	Lands in Pending Wilderness Bills									
12	HCP and NCCP Hard Reserves								X	X
13	State Wildlife Areas and Ecological Reserves (DFG)/California State Wetlands								X	
14	State Parks/State Wilderness Areas									
15	Wildlands Conservancy and Other Private Preserves									
16	Research Natural Areas (RNA) or Special Interest Areas (SIA)									
17	Category Two Lands (limited tx)									
18	BLM Areas of Critical Environmental Concern (ACEC)	X						X		X
19	Designated Critical Habitat T&E Species						X	X		X
20	Desert Wildlife Management Areas (DWMA)						X	X		
21	Mojave Ground Squirrel Conservation Areas (MGSCA)									
22	Wildlands Conservancy acquisitions under BLM ownership									
23	Proposed and Potential Conservation Reserves in HCPs and NCCPs									X
24	Conservation Easements									
25	Other Environmental Concerns									
26	Identified cultural resources	X		X	X	X	X	X	X	X
27	Visual resources	X				X	X	X	X	X
28	Williamson Act		X	X	X				X	X
29	Other important wildlife habitat	X	X	X	X	X	X			X
30	Citizen-proposed wilderness areas							X		
31	Proposed Mother Road National Monument							X		
32										
33	Other Relevant Information (e.g., line size)	X				X	X	X		X
34										
35										
36	ROW/Corridor Information									
37	1 ROW no change									
38	2 ROW expansion	X	X			X	X	X		
39	3 New ROW in designated corridor									
40	4 New ROW co-located but NOT in a designated corridor.								X	X
41	5 New ROW not collocated and NOT in a designated corridor			X	X					
42	Segment/Section Information									
43	1 Upgrade/no footprint change									
44	2 Rebuild/footprint changes	X	X							
45	3 New line			X	X	X	X	X	X	X
46										
47										
48	Environmental Concern (Low, Medium, High)	H	L	M	M	H	H	H	H	H

Cell: H5
Comment: rjohnson:
adjacent to Soda Mtns. WSA
Cell: G6
Comment: rjohnson:
bisects Mojave Preserve in the 368 corridor
Cell: H6
Comment: rjohnson:
bisects Mojave Preserve in the 368 corridor
Cell: I12
Comment: rjohnson:
possible flat-tailed horned lizard
Cell: J12
Comment: rjohnson:
possible fringed-toed lizard preserve near Thousand Palms Oasis
Cell: I13
Comment: rjohnson:
San Felipe ecological reserve
Cell: H18
Comment: rjohnson:
cultural ACEC
Cell: J18
Comment: rjohnson:
San Sebastian Marsh
Cell: G19
Comment: rjohnson:
desert tortoise
Cell: H19
Comment: rjohnson:
desert tortoise
Cell: J19
Comment: rjohnson:
Desert pupfish
Cell: G20
Comment: rjohnson:
Shadow Valley DWMA
Cell: H20
Comment: rjohnson:
Superior Cronese
Cell: J23
Comment: rjohnson:
potential Coachella Valley MSHCP preserve
Cell: B29
Comment: rjohnson:
burrowing owl
Cell: C29
Comment: rjohnson:
burrowing owl

Cell: D29
Comment: rjohnson:
migratory waterfowl, burrowing owl
Cell: E29
Comment: rjohnson:
migratory waterfowl, burrowing owl
Cell: F29
Comment: rjohnson:
desert tortoise and sensitive plants and potential sheep movement
corridor issue
Cell: G29
Comment: rjohnson:
desert bighorn sheep, desert tortoise
Cell: J29
Comment: rjohnson:
flat-tailed horned lizard management area, burrowing owl
Cell: H30
Comment: rjohnson:
adjacent
Cell: H31
Comment: rjohnson:
adjacent
Cell: B33
Comment: rjohnson:
segment will need to avoid possible Torres Martinez tribal lands
Cell: F33
Comment: rjohnson:
cumulative impacts associated with solar project development
Cell: G33
Comment: rjohnson:
sensitive plant species, designated Unusual Plant Assemblages
(UPAs)
Cell: H33
Comment: rjohnson:
sensitive plant species, designated Unusual Plant Assemblages
(UPAs) and military mitigation lands,
Cell: J33
Comment: rjohnson:
segment will need to avoid possible Torres Martinez tribal lands

	A	B	C	D	E	F	G	H	I	J	K
	RETI PHASE 2A TRANSMISSION LINE SEGMENT ANALYSIS	DVR2_VICT_1	DVR2_CENT_1	EGM2_EGMT_1	EGM2_EGMT_2	EGM2_DEVR_1	EGM2_DEVR_2	CMP1_TALG_1	CMP1_ECND_1	LEIK_CMP1_1	CMP1_TALG_2
1											
2	Environmental Concerns Checklist	91	92	93	94	95	96	97	98	99	100
3	Segment length in miles	98	140	1	1	70	70	10	37	32	10
4	Category One Lands (some limited tx may be allowed)										
5	Designated Federal Wilderness Areas/Wilderness Study Areas (BLM)										
6	National Park Service Units (including Mojave Preserve)										
7	National Wildlife Refuges										
8	Inventoried Roadless Areas (USFS)									X	
9	BLM Natl. Recreation Areas/Natl. Monuments/Natl. Conservation Areas										
10	National Historic and/or Scenic Trails/National Wild. Scenic and/or Recreational Rivers										
11	Lands in Pending Wilderness Bills										
12	HCP and NCCP Hard Reserves	X	X							X	
13	State Wildlife Areas and Ecological Reserves (DFG)/California State Wetlands										
14	State Parks/State Wilderness Areas										
15	Wildlands Conservancy and Other Private Preserves								X		
16	Research Natural Areas (RNA) or Special Interest Areas (SIA)										
17	Category Two Lands (limited tx)										
18	BLM Areas of Critical Environmental Concern (ACEC)										
19	Designated Critical Habitat T&E Species	X	X	X	X			X	X	X	X
20	Desert Wildlife Management Areas (DWMA)					X	X				
21	Mojave Ground Squirrel Conservation Areas (MGSCA)										
22	Wildlands Conservancy acquisitions under BLM ownership										
23	Proposed and Potential Conservation Reserves in HCPs and NCCPs	X	X			X	X			X	
24	Conservation Easements	X									
25	Other Environmental Concerns										
26	Identified cultural resources	X	X			X	X	X	X	X	X
27	Visual resources	X	X	X	X	X	X			X	
28	Williamson Act										
29	Other important wildlife habitat			X	X					X	
30	Citizen-proposed wilderness areas										
31	Proposed Mother Road National Monument										
32											
33	Other Relevant Information (e.g., line size)	X	X			X	X	X	X	X	X
34											
35											
36	ROW/Corridor Information										
37	1 ROW no change							X	X		X
38	2 ROW expansion										
39	3 New ROW in designated corridor										
40	4 New ROW co-located but NOT in a designated corridor.	X	X	X	X	X	X				
41	5 New ROW not collocated and NOT in a designated corridor									X	
42	Segment/Section Information										
43	1 Upgrade/no footprint change							X	X		X
44	2 Rebuild/footprint changes										
45	3 New line	X	X	X	X	X	X			X	
46											
47											
48	Environmental Concern (Low, Medium, High)	H	H	M	M	H	H	L	L	H	L

Cell: C1
Comment: rjohnson:
 Is this the correct name?
Cell: F5
Comment: rjohnson:
 adjacent to designated wilderness areas to the south
Cell: G5
Comment: rjohnson:
 adjacent to designated wilderness areas to the south
Cell: J5
Comment: rjohnson:
 adjacent to San Mateo wilderness area
Cell: F6
Comment: rjohnson:
 adjacent to Joshua Tree National Park
Cell: G6
Comment: rjohnson:
 adjacent to Joshua Tree National Park
Cell: B12
Comment: rjohnson:
 Coachella Valley MSHCP, Western Riverside County MSHCP
Cell: C12
Comment: rjohnson:
 Coachella Valley MSHCP, Western Riverside County MSHCP
Cell: J12
Comment: rjohnson:
 Stephen's Kangaroo Rat core reserve area
Cell: I15
Comment: rjohnson:
 Santa Margarita ecological preserve
Cell: B19
Comment: rjohnson:
 San Bernardino kangaroo rat, willow fly catcher, Delhi sand flowerloving fly, potential gnat catcher, potential coastal sage scrub, potential Santa Ana River wooly star, slender horned spine flower
Cell: C19
Comment: rjohnson:
 San Bernardino kangaroo rat, willow fly catcher, Delhi sand flowerloving fly, potential gnat catcher, potential coastal sage scrub, potential Santa Ana River wooly star, slender horned spine flower
Cell: D19
Comment: rjohnson:
 desert tortoise habitat
Cell: E19
Comment: rjohnson:
 desert tortoise habitat
Cell: H19
Comment: rjohnson:
 6 species
Cell: I19
Comment: rjohnson:
 6 species
Cell: J19
Comment: rjohnson:
 Quino checkerspot butterfly, coastal California gnatcatcher, and Munz onion
Cell: K19
Comment: rjohnson:
 6 species

Cell: F20
Comment: rjohnson:
 Chuckwalla DWMA
Cell: G20
Comment: rjohnson:
 Chuckwalla DWMA
Cell: B23
Comment: rjohnson:
 Western Riverside County MSHCP
Cell: C23
Comment: rjohnson:
 Western Riverside County MSHCP
Cell: J23
Comment: rjohnson:
 within potential reserve for the West Riverside MSHCP
Cell: B24
Comment: rjohnson:
 potential impact Lytle Creek conservation easement
Cell: D29
Comment: rjohnson:
 Desert bighorn sheep
Cell: E29
Comment: rjohnson:
 Desert bighorn sheep
Cell: J29
Comment: rjohnson:
 35 management indicator species potentially affected
Cell: B33
Comment: rjohnson:
 environmental concern could be lower depending on routing and construction techniques
Cell: C33
Comment: rjohnson:
 environmental concern could be lower depending on routing and construction techniques
Cell: F33
Comment: rjohnson:
 cumulative impacts from multiple transmission lines and cumulative infrastructure impacts to Bighorn sheep movement
Cell: G33
Comment: rjohnson:
 cumulative impacts from multiple transmission lines and cumulative infrastructure impacts to Bighorn sheep movement
Cell: H33
Comment: rjohnson:
 new Camp Pendleton substation would have potentially significant impacts
Cell: I33
Comment: rjohnson:
 new Camp Pendleton substation would have potentially significant impacts
Cell: J33
Comment: rjohnson:
 potential impact to hang gliding and hiking trails
Cell: K33
Comment: rjohnson:
 new Camp Pendleton substation would have potentially significant impacts
Cell: H48
Comment: rjohnson:
 environmental concern is low without consideration of the new substation
Cell: I48
Comment: rjohnson:
 environmental concern is low without consideration of the new substation

Cell: K48
Comment: rjohnson:
 environmental concern is low without consideration of the new substation

	A	B	C	D	E	F	G	H	I	J	K
	RETI PHASE 2A TRANSMISSION LINE SEGMENT ANALYSIS	CMPL_ECND_2	WRLW_ANTE_1	ANTE_VINC_1	VINC_DRTE_1	DRTE_RIOH_1	MESA_MIRA_1	DRTE_MESA_1	VINC_GULD_1	GULD_GOOD_1	GOOD_MESA_1
1		101	102	103	104	105	106	107	108	109	110
2	Environmental Concerns Checklist										
3	Segment length in miles	37	14	18	27	5	45	17	20	17	8
4	Category One Lands (some limited tx may be allowed)										
5	Designated Federal Wilderness Areas/Wilderness Study Areas (BLM)										
6	National Park Service Units (including Mojave Preserve)										
7	National Wildlife Refuges										
8	Inventoried Roadless Areas (USFS)				X				X		
9	BLM Natl. Recreation Areas/Natl. Monuments/Natl. Conservation Areas										
10	National Historic and/or Scenic Trails/National Wild. Scenic and/or Recreational Rivers										
11	Lands in Pending Wilderness Bills										
12	HCP and NCCP Hard Reserves										
13	State Wildlife Areas and Ecological Reserves (DFG)/California State Wetlands										
14	State Parks/State Wilderness Areas										
15	Wildlands Conservancy and Other Private Preserves	X									
16	Research Natural Areas (RNA) or Special Interest Areas (SIA)										
17	Category Two Lands (limited tx)										
18	BLM Areas of Critical Environmental Concern (ACEC)										
19	Designated Critical Habitat T&E Species	X									
20	Desert Wildlife Management Areas (DWMA)										
21	Mojave Ground Squirrel Conservation Areas (MGSCA)										
22	Wildlands Conservancy acquisitions under BLM ownership										
23	Proposed and Potential Conservation Reserves in HCPs and NCCPs										
24	Conservation Easements										
25	Other Environmental Concerns										
26	Identified cultural resources	X			X				X		
27	Visual resources				X				X		
28	Williamson Act					X	X	X			
29	Other important wildlife habitat		X	X	X				X		
30	Citizen-proposed wilderness areas										
31	Proposed Mother Road National Monument										
32											
33	Other Relevant Information (e.g., line size)	X									
34											
35											
36	ROW/Corridor Information										
37	1 ROW no change	X		X	X	X					
38	2 ROW expansion						X	X	X	X	X
39	3 New ROW in designated corridor										
40	4 New ROW co-located but NOT in a designated corridor.		X								
41	5 New ROW not collocated and NOT in a designated corridor										
42	Segment/Section Information										
43	1 Upgrade/no footprint change	X				X				X	X
44	2 Rebuild/footprint changes			X	X		X	X	X		
45	3 New line		X								
46											
47											
48	Environmental Concern (Low, Medium, High)	L	L	L	M	L	L	L	M	L	L

Cell: G1
Comment: rjohnson:
 mesa not duarte
 Cell: E5
Comment: rjohnson:
 adjacent to designated wilderness area
 Cell: I5
Comment: rjohnson:
 adjacent to designated wilderness area
 Cell: B15
Comment: rjohnson:
 Santa Margarita ecological preserve
 Cell: B19
Comment: rjohnson:
 6 species
 Cell: C29
Comment: rjohnson:
 burrowing owl
 Cell: D29
Comment: rjohnson:
 burrowing owl and other animal and plant species
 Cell: E29
Comment: rjohnson:
 sensitive plant species, Ca spotted owl
 Cell: I29
Comment: rjohnson:
 sensitive plant species, Ca spotted owl
 Cell: E30
Comment: rjohnson:
 adjacent to citizen proposed wilderness area
 Cell: I30
Comment: rjohnson:
 adjacent to citizen proposed wilderness area
 Cell: B33
Comment: rjohnson:
 new Camp Pendelton substation would have potentially significant impacts
 Cell: B48
Comment: rjohnson:
 environmental concern is low without consideration of the new substation

	A	B	C	D	E	F	G	H	I	J
	RETI PHASE 2A TRANSMISSION LINE SEGMENT ANALYSIS	CHNO_MESA_1	CHNO_MIRA_1	CHNO_MIRA_2	CHNO_MIRA_3	HARQ_MIDP_1	MIDP_DEVR_2	DEVR_VALL_2	HASC_RNLD_1	BRNF_HASC_3
1		111	112	113	114	115	116	117	118	119
2	Environmental Concerns Checklist									
3	Segment length in miles	23	7	7	7	112	113	42	15	60
4	Category One Lands (some limited tx may be allowed)									
5	Designated Federal Wilderness Areas/Wilderness Study Areas (BLM)									
6	National Park Service Units (including Mojave Preserve)									
7	National Wildlife Refuges					X				
8	Inventoried Roadless Areas (USFS)									
9	BLM Natl. Recreation Areas/Natl. Monuments/Natl. Conservation Areas									
10	National Historic and/or Scenic Trails/National Wild, Scenic and/or Recreational Rivers							X		X
11	Lands in Pending Wilderness Bills									
12	HCP and NCCP Hard Reserves									
13	State Wildlife Areas and Ecological Reserves (DFG)/California State Wetlands									
14	State Parks/State Wilderness Areas									
15	Wildlands Conservancy and Other Private Preserves									
16	Research Natural Areas (RNA) or Special Interest Areas (SIA)									
17	Category Two Lands (limited tx)									
18	BLM Areas of Critical Environmental Concern (ACEC)						X			
19	Designated Critical Habitat T&E Species								?	?
20	Desert Wildlife Management Areas (DWMA)						X			
21	Mojave Ground Squirrel Conservation Areas (MGSCA)									
22	Wildlands Conservancy acquisitions under BLM ownership									
23	Proposed and Potential Conservation Reserves in HCPs and NCCPs						X	X		
24	Conservation Easements								?	
25	Other Environmental Concerns									
26	Identified cultural resources					X	X	X		X
27	Visual resources	X	X	X	X	X	X	X	X	X
28	Williamson Act					X				
29	Other important wildlife habitat					X		X		X
30	Citizen-proposed wilderness areas									
31	Proposed Mother Road National Monument									
32										
33	Other Relevant Information (e.g., line size)					X	X			X
34										
35										
36	ROW/Corridor Information									
37	1 ROW no change					X	X		X	
38	2 ROW expansion	X	X	X	X			X		X
39	3 New ROW in designated corridor									
40	4 New ROW co-located but NOT in a designated corridor.									
41	5 New ROW not collocated and NOT in a designated corridor									
42	Segment/Section Information									
43	1 Upgrade/no footprint change								X	
44	2 Rebuild/footprint changes			X						
45	3 New line	X	X		X	X	X	X		X
46										
47										
48	Environmental Concern (Low, Medium, High)	L	L	L	L	H	M	H	L	H

Cell: F5
Comment: rjohnson:
adjacent to designated federal wilderness
Cell: G5
Comment: rjohnson:
adjacent to designated wilderness areas to the south
Cell: H5
Comment: rjohnson:
right of way bisects designated federal wilderness; is cherry stemmed
Cell: G6
Comment: rjohnson:
adjacent to Joshua Tree National Park
Cell: G18
Comment: rjohnson:
Alligator Rock ACEC
Cell: J19
Comment: rjohnson:
check with RB
Cell: G20
Comment: rjohnson:
Chuckwalla DWMA
Cell: H23
Comment: rjohnson:
Western Riverside County MSHCP
Cell: F29
Comment: rjohnson:
big horn sheep and possible desert tortoise
Cell: H29
Comment: rjohnson:
potential Stephens Kanagaroo Rat, and some listed plant species
Cell: J29
Comment: rjohnson:
possible arroyo toad
Cell: F33
Comment: rjohnson:
important agricultural lands in the Palo Verde area
Cell: G33
Comment: rjohnson:
cumulative impacts from multiple transmission lines and cumulative
infrastructure impacts to Bighorn sheep movement
Cell: J33
Comment: rjohnson:
possible sensitive plants
Cell: I48
Comment: rjohnson:
low score only if no T&E habitat

