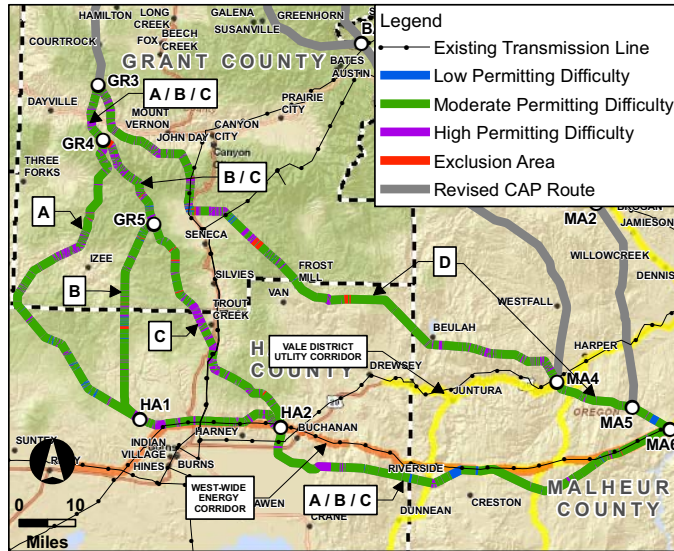
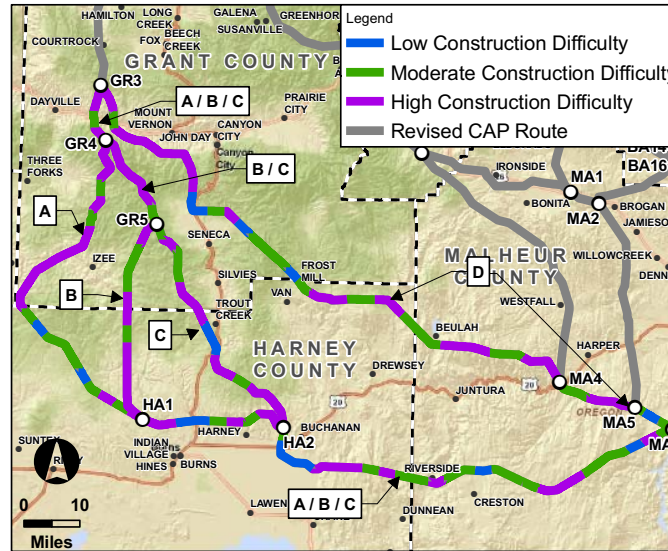


GRANT PAT/HARNEY PAT/SOUTH PAT - SOUTHWEST REGION

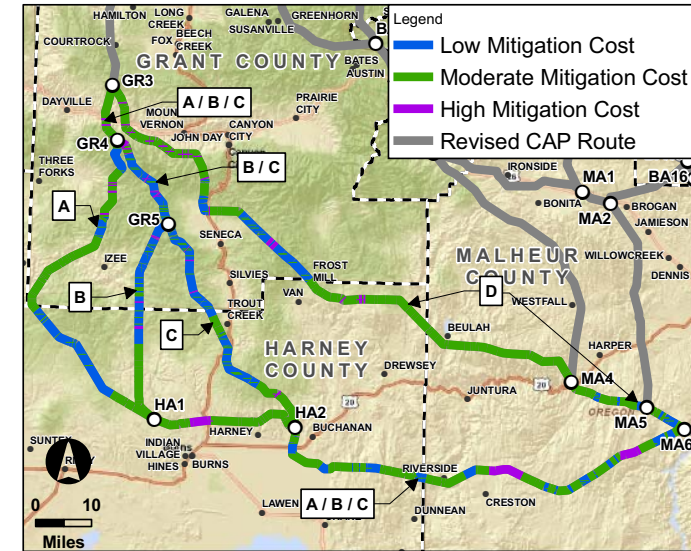
PERMITTING DIFFICULTY



CONSTRUCTION DIFFICULTY



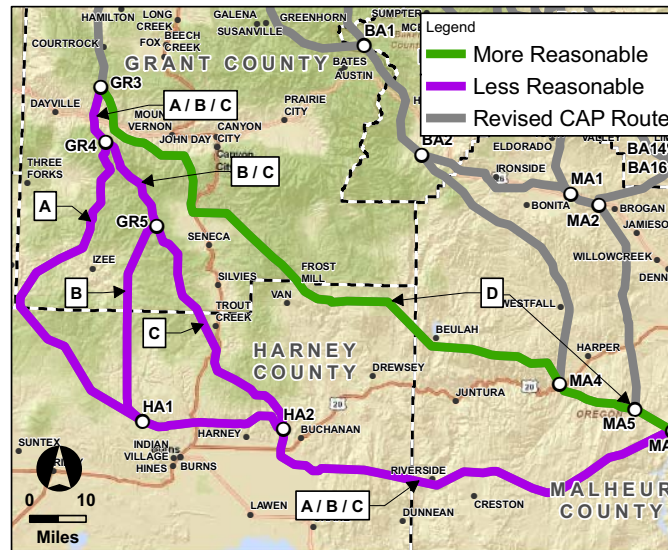
MITIGATION COST



- 4 ROUTES WERE CONSIDERED
- A (GR3-GR4-HA1-HA2-MA6)
- B (GR3-GR4-GR5-HA1-HA2-MA6)
- C (GR3-GR4-GR5-HA2-MA6)
- D (GR3-MA4-MA5-MA6)

- ROUTE D IS THE MOST REASONABLE ROUTE
- ROUTE A IS NOT REASONABLE BECAUSE IT IS 53.7 MILES LONGER THAN THE SHORTEST ROUTE, REQUIRES 1630 ACRES MORE ROW, AND CROSSES A WILD AND SCENIC RIVER (SOUTH FORK OF THE JOHN DAY)
- ROUTE B IS NOT REASONABLE BECAUSE IT IS 41.7 MILES LONGER THAN THE SHORTEST ROUTE, REQUIRES 1260 ACRES MORE ROW, CROSSES 7.3 MILES OF SAGE-GROUSE LEK BUFFERS AND DOES NOT ALLOW FOR ACCEPTABLE SEPARATION BETWEEN TRANSMISSION CIRCUITS

SUMMARY



- ROUTE D IS MORE REASONABLE THAN ROUTE C BECAUSE IT:

- 23.3 miles shorter/700 fewer acres of ROW
- Avoids Devine Scenic Corridor
- Avoids 7.3 miles of Occupied Lek Buffer
- Crosses 1.8 fewer miles of Designated USFS Visual Quality Objective: Partial Retention
- Crosses 20.4 fewer miles of Sage-grouse Core Area 1 Habitat
- Crosses 13.6 fewer miles of Forested Land
- Crosses 27.7 fewer miles of Prime Farmland Soils
- Crosses 4.1 fewer miles of Landslide Areas
- Allows for acceptable separation between transmission circuits
- Old Growth Forest Areas will be avoided during micro-siting

SOUTHWEST REGION MILEAGE SUMMARY

	A (GR3-GR4-HA1- HA2-MA6)	B (GR3-GR4-GR5- HA1-HA2-MA6)	C (GR3-GR4-GR5- HA2-MA6)	D (GR3-MA4-MA5- MA6)
	LENGTH IN MILES			
PERMITTING DIFFICULTY				
LOW	5.6	6.1	4.8	3.3
MODERATE	151.9	137.9	119.9	104.3
HIGH	28.0	26.9	27.9	22.2
EXCLUSION	1.1*	3.8*	3.6*	3.0*
CONSTRUCTION DIFFICULTY				
LOW	27.0	21.0	21.0	15.0
MODERATE	71.4	62.4	56.4	48.4
HIGH	88.2	91.3	78.8	69.4
MITIGATION COST				
LOW	48.0	53.4	63.8	25.0
MODERATE	123.5	103.3	78.4	103.7
HIGH	15.1	18.0	14.0	4.1

** Old Growth Forest Areas will be avoided during micro-siting*

SOUTHWEST REGION DATA TABLE

Resource Group	Regulatory Criteria Description	Permitting Difficulty	Community Criteria*	A	B	C	D	
				(GR3-GR4-HA1-HA2-MA6)	(GR3-GR4-GR5-HA1-HA2-MA6)	(GR3-GR4-GR5-HA2-MA6)	(GR3-MA4-MA5-MA6)	
				LENGTH IN MILES				
TOTAL LENGTH				186.6	174.6	156.2	132.9	
1	Cultural Resources	Burns District Archaeological Site	Avoidance High	-	0.1	-	0.1	
2	Cultural Resources	Vale District Cultural Site	Exclusion	0.4	0.4	0.4	-	
3	Visual Resources	Devine Scenic Corridor (Burns District)	Avoidance Mod	-	-	0.4	-	
4	Visual Resources	Within 1200ft Nationally Designated Scenic Byway	Avoidance Mod	CC	1.5	0.5	0.5	
5	Visual Resources	National Forest Visual Quality Objective: Partial Retention	Avoidance High	0.5	0.1	7.1	5.3	
6	Visual Resources	National Forest Visual Quality Objective: Retention	Exclusion	CC	-	-	0.2	
7	Visual Resources	BLM Visual Resource Management Class 3 - John Day Basin	Avoidance Mod	-	-	-	0.5	
8	Visual Resources	BLM Visual Resource Management Class 4 - John Day Basin	Avoidance Low	0.5	0.6	0.6	-	
9	Visual Resources	BLM Visual Resource Management Class 2 - OR	Avoidance High	CC	0.4	0.4	-	
10	Visual Resources	BLM Visual Resource Management Class 3 - OR	Avoidance Mod	3.3	3.3	3.3	4.9	
11	Visual Resources	BLM Visual Resource Management Class 4 - OR	Avoidance Low	34.4	34.4	34.4	40.0	
12	Fish and Wildlife	ODFW Conservation Opportunity Area	Avoidance Low	31.8	6.7	6.4	7.3	
13	Fish and Wildlife	ODFW Big Game Deer Winter Range	Avoidance Mod	CC	65.7	52.2	38.8	
14	Fish and Wildlife	ODFW Big Game Elk Winter Range	Avoidance Mod	CC	78.5	59.1	73.2	
15	Fish and Wildlife	Prineville District Fish Restoration Area	Avoidance Mod	1.8	3.7	4.2	1.3	
16	Fish and Wildlife	Prineville District Wildlife Habitat Seasonal Closure Area	Avoidance Mod	36.4	16.9	13.6	27.9	
17	Fish and Wildlife	Sage-grouse Core Area 1: Sagebrush Habitat (Oregon)	Avoidance Mod	59.9	59.4	45.4	25.0	
18	Fish and Wildlife	Sage-grouse Core Area 2: Potential Habitat (Oregon)	Avoidance Low	59.9	54.2	43.8	55.5	
19	Fish and Wildlife	Sage-grouse Core Area 3: Non-Sagebrush Shrublands and Grasslands (Oregon)	Avoidance Mod	51.5	49.4	60.9	46.3	
20	Fish and Wildlife	Within 2-mile Oregon Sage-grouse Lek Buffer (Occupied but Permittable)	Avoidance Mod	CC	7.3	7.3	-	
21	Fish and Wildlife	Within 2-mile Oregon Sage-grouse Lek Buffer (Unoccupied)	Avoidance Low	6.1	6.1	6.1	-	
22	Fish and Wildlife	Within 300ft Special Status Stream: Bull Trout	Avoidance Mod	CC	0.1 (1 crossing)	0.1 (1 crossing)	0.1 (1 crossing)	0.3 (2 crossings)
23	Fish and Wildlife	Within 300ft Special Status Stream: Chinook Salmon	Avoidance Mod	CC	0.1 (1 crossing)	0.1 (1 crossing)	0.1 (1 crossing)	0.1 (1 crossing)
24	Fish and Wildlife	Within 300ft Special Status Stream: Cutthroat Trout	Avoidance Mod	CC	-	0.3 (2 crossings)	0.3 (2 crossings)	0.5 (4 crossings)
25	Fish and Wildlife	Within 300ft Special Status Stream: Red Band Trout	Avoidance Mod	CC	3.8 (19 crossings)	3.2 (22 crossings)	3.4 (23 crossings)	1.0 (8 crossings)
26	Fish and Wildlife	Within 300ft Special Status Stream: Steelhead	Avoidance Mod	CC	1.0 (7 crossings)	1.1 (7 crossings)	1.1 (7 crossings)	1.1 (9 crossings)
27	Fish and Wildlife	Wild Horse and Burro Area (OR BLM)	Avoidance Low	34.6	16.7	16.7	5.3	
28	Land Use	Burns District ROW Avoidance Corridor	Avoidance High	1.7	1.7	1.7	-	
29	Land Use	Cropland/Irrigated Agriculture	Avoidance High	2.2	1.6	1.1	1.1	
30	Land Use	Exclusive Farm Use Zone/Multiple Use Range Zone	Avoidance High	26.3	10.4	10.8	22.3	
31	Land Use	Grazing/Pasture - OR	Avoidance Low	122.5	123.5	90.3	63.9	
32	Land Use	Forested Land: Private	Avoidance Mod	5.4	4.5	6.1	7.4	
33	Land Use	Forested Land: Public	Avoidance Mod	38.1	37.1	48.3	33.4	
34	Land Use	National Forest Old Growth Forest Stand**	Exclusion	CC	0.8	3.5	3.2	2.7
35	Land Use	Area of Critical Environmental Concern	Avoidance High	0.4	0.4	0.4	-	
36	Land Use	Prineville District Lands Proposed for Acquisition by the BLM	Avoidance Low	4.5	-	-	-	
37	Land Use	Prineville District Noxious Weeds	Avoidance Low	1.4	0.9	0.9	1.4	
38	Land Use	Noxious Weeds (OR BLM)	Avoidance Low	1.3	1.3	0.7	-	
39	Land Use	Burns District Off-Highway Vehicle: Seasonal Closure	Avoidance Low	7.8	11.4	-	-	
40	Land Use	Vale District Off-Highway Vehicle: Limited to Designated Routes	Avoidance Low	0.4	0.4	0.4	-	
41	Land Use	Vale District Off-Highway Vehicle: Limited to Existing Routes	Avoidance Low	-	-	-	3.0	
42	Land Use	Recreation Area (OR BLM)	Avoidance High	2.9	3.1	-	-	
43	Land Use	The Nature Conservancy: Portfolio	Avoidance Mod	25.5	24.9	31.7	21.5	