

APPENDIX C

ROUTE COMPARISON MATRIX

Snake Creek to Parshall 115kV Transmission Project

Overall Corridor Comparison

Route	Total Alternate #1 Proposed Action	Total Alternate #2 (Alternative Route Action - Eliminated)
Environmental Considerations		
Parcels Crossed	139	136
Owners Affected	111	107
Homes within 125 '	1	3
Homes within 250 '	15	18
Zoning	A	A
Farmland, State Importance & Prime Farmland (acres)	112	137
Federal, State, Local, Tribal Owned Parcels	1 - Federal 2 State, 0 - City 3 - Tribal	1 - Federal 2 State, 1 - City 1 - Tribal
Floodplains (acres)	0	0
Wetlands (acres)	26	14
Construction Considerations		
Line Miles	68	70
Single Circuit (miles)	68	54
Double Circuit (miles)	0	16
Substation Conversion (acres)	5	0
Existing ROW (miles/acres)	60.5 mi / 488 acres	23 mi / 181 acres
New ROW Required (miles/acres)	7.5 mi / 69 acres	47 mi / 410 acres
Road and Hwy Crossings	44	51
Railroad Crossings	4	2
Pond Crossings	3	1
Stream Crossings	16	16
Treed Areas (lineal feet)	664	1,194
Access (miles) Adjacent to Roadway	52	65
Airstrips within 1 mile	0	0
Est. Cost to Construct	\$28,661,350	\$30,450,200

Corridor Comparison
Central Power Electric Cooperative, Inc.

Route	Total Alternate #1 (Proposed Action)	Total Alternate #2 (Eliminated Alternative Route)	Total Alternate #3 (Eliminated Route - Determined Not Reasonable)
Environmental Considerations			
Parcels Crossed	112	104	101
Owners Affected	89	79	73
Homes within 125 '	0	1	2
Homes within 250 '	12	9	27
Zoning	A	A	A
Farmland, State Importance & Prime Farmland (acres)	14	11	17
Federal, State, Local, Tribal Owned Parcels	1 - Federal 2 - State, 0 - City 3- Tribal	1 - State 1 - City 2- Tribal	1 - Federal 1 - City 2- Tribal
Floodplains (acres)	0	0	1
Wetlands (acres)	22	12	11
Construction Considerations			
Line Miles	55	53	53
Single Circuit (miles)	55	37	53
Double Circuit (miles)	0	16	0
43.8kV line to stay in service (miles)	0	42	42
Substation Conversion (acres)	5	0	0
Existing ROW (miles/acres)	50.5 mi /367 acres ⁽¹⁾	20 mi / 145 acres ⁽¹⁾	0
New ROW Required (miles/acres)	4.5 mi / 33 acres ⁽¹⁾	33 mi / 240 acres ⁽¹⁾	53 mi / 385 acres ⁽¹⁾
Road and Hwy Crossings	34	39	44
Railroad Crossings	3	1	3
Pond Crossings	3	1	0
Stream Crossings	10	10	7
Treed Areas (lineal feet)	61	61	932
Access (miles) Adjacent to Roadway	39	48	50
Airstrips within 1 mile	0	0	0
Est. Cost (average) to Construct - mile / total	\$421,450 / \$23,182,500	\$439,350 / \$23,285,550	\$421,450 / \$22,339,500
⁽¹⁾ total acres is based on a ROW width of 60'			

Snake Creek to Parshall 115kV Transmission Project

**Corridor Comparison
Mountrial-Williams Electric Cooperative, Inc.**

Route	Total Alternate #1 Proposed Action	Total Alternate #2 (Alternative Route Action)
Environmental Considerations		
Parcels Crossed	27	32
Owners Affected	22	28
Homes within 125 '	1	2
Homes within 250 '	3	9
Zoning	A	A
Farmland, State Importance & Prime Farmland (acres)	98	126
Federal, State, Local, Tribal Owned Parcels	0 - Federal 0 - City 0 - Tribal	0 - Federal 0 - City 0 - Tribal
Floodplains (acres)	0	0
Wetlands (acres)	4	2
Construction Considerations		
Line Miles	13	17
Single Circuit (miles)	13	17
Double Circuit (miles)	0	0
Substation Conversion (acres)	0	0
Existing ROW (miles/acres)	10 mi / 121 acres ⁽¹⁾	3 mi / 36 acres ⁽¹⁾
New ROW Required (miles/acres)	3 mi / 36 acres ⁽¹⁾	14 mi / 170 acres ⁽¹⁾
Road and Hwy Crossings	10	12
Railroad Crossings	1	1
Pond Crossings	0	0
Stream Crossings	6	6
Treed Areas (lineal feet)	603	1,133
Access (miles) Adjacent to Roadway	13	17
Airstrips within 1 mile	0	0
Est. Cost (average) to Construct mile / total	\$421,450 / \$5,478,850	\$421,450 / \$7,164,650
<small>(1) total acres is based on a ROW width of 100'</small>		