

ENVIRONMENTAL CRITERIA FOR ALTERNATIVE ROUTE EVALUATION
AEP UVALDE TO CPS ENERGY CASTROVILLE AREA PROJECT

LAND USE

Length of alternative route
Number of habitable structures¹ within 300 ft of ROW centerline
Length of existing transmission line ROW used
Length of ROW parallel to existing transmission line ROW
Length of ROW parallel to other existing ROW (highway, pipeline, railroads, etc.)
Length of ROW paralleling apparent property lines
Length of ROW across parks/recreational areas
Number of additional parks and/or recreational areas within 1,000 ft of ROW centerline
Length of ROW across cropland
Length of ROW across rangeland/pasture
Length of ROW across pasture or cropland with mobile irrigation systems
Number of pipeline crossings
Number of transmission line crossings
Number of U.S. and state highway crossings
Number of FM road crossings
Number of heliports within 5,000 ft of ROW centerline
Number of private airstrips within 10,000 ft of ROW centerline
Number of FAA-listed airfields within 10,000 ft of ROW centerline
Number of FAA-listed airfields within 20,000 ft of ROW centerline
Number of commercial AM radio transmitters within 10,000 ft of ROW centerline
Number of FM radio transmitters, microwave towers, etc., within 2,000 ft of ROW centerline

AESTHETICS

Estimated length of ROW within foreground visual zone² of U.S. and state highways
Estimated length of ROW within foreground visual zone² of recreational or park areas

ECOLOGY

Length of ROW through upland woodland/brushland
Length of ROW through bottomland/riparian woodland
Length of ROW across known habitat of federal endangered/threatened species
Length of ROW across potential wetlands
Length of ROW across open water (lakes, ponds, etc.)
Number of river crossings
Number of stream crossings
Length of ROW parallel (within 100 ft) to streams
Length of ROW across 100-year floodplains

CULTURAL RESOURCES

Number of recorded historic or prehistoric sites crossed
Number of additional recorded historic or prehistoric sites within 1,000 ft of ROW centerline
Number of National Register listed or determined-eligible sites crossed
Number of additional National Register listed or determined-eligible sites within 1,000 ft of ROW centerline
Length of ROW through areas of high archaeological/historic site potential

¹ Single-family and multi-family dwellings and related structures, mobile homes, apartment buildings, commercial structures, industrial structures, business structures, churches, hospitals, schools, or other structures normally inhabited by humans or intended to be inhabited by humans on a daily or regular basis.

² One-half mile, unobstructed.