

West Wenatchee Area Substation Siting Decision Evaluation Matrix

		#1a	#1b	#2	#3				
System Considerations	Proximity to existing transmission lines	5	3	4	2				
	Proximity to service existing loads (reliability)	4	4	3	5				
	Ability to service planned and future loads (proximity to growth)	5	5	5	5				
	Reliability (loop feed vs. radial feed)	5	5	5	5				
	Ability to utilize District's standard substation footprint	5	4	4	4				
		24	21	21	21	0	0	0	0
Land Considerations	Land availability	4	4	3	5				
	Land purchase price	4	4	5	5				
	Land parcel size (2 acre min.)	4	4	4	4				
	Site access (mobile substation)	4	4	2	4				
	Land slopes and contours	4	4	1	4				
	Highest and best use of land	4	4	4	3				
		24	24	19	25	0	0	0	0
Environmental Considerations	Ability to mitigate groundwater on site (if present)	4	4	3	5				
	Ability to acquire easements (magnitude) and permitting	4	4	4	4				
	Ability to meet security standards at site	5	5	4	4				
	Ability to mitigate threats from natural disasters	5	5	4	5				
	Magnitude of land disturbance	4	4	1	4				
	Ability to mitigate threats from wildfire	4	4	3	4				
		26	26	19	26	0	0	0	0
Aesthetics and Neighborhood Values	Ability to mitigate general aesthetic values	3.25	2.8	2.8	3.27				
	Ability to mitigate light and noise impact	3.08	2.8	2.8	3.27				
	Ability to utilize or install underground distribution	3.33	2.7	2.7	3.45				
	Ability to mitigate view impacts	2.82	2.44	2.67	3.3				
	Flexibility in landscaping theme options	2.82	2.11	2.22	3.4				
	Proximity to existing neighborhood and residences	2.92	2.7	2.8	3.27				
	Ability to incorporate community improvements	2.83	2.5	2.5	3.36				
	Other (as suggested by stakeholders)								
		14.72	12.45	12.89	16.78	0	0	0	0

RATING SCALE - 1 to 5
5 = MORE PREFERRED
1 = LESS PREFERRED

3.8	3.6	3.1	3.8	0.0	0.0	0.0	0.0
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