Substation Site Areas Evaluation Matrix																			
	Site Selection Criteria - Site Variables	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15	#16	#17	#18
System Considerations	Proximity to existing tranmission lines	4	3	4	3	3	1	4	4	4	4	3	5	4	4	4	1	4	2
	Proximity to service area	3	3	3	3	4	5	3	2	3	3	3	1	2	1	4	4	3	5
	Positioned to alleviate load on existing subs	3	3	3	3	4	5	4	5	3	3	4	2	5	2	4	4	4	5
	Average	3.3	3.0	3.3	3.0	3.7	3.7	3.7	3.7	3.3	3.3	3.3	2.7	3.7	2.3	4.0	3.0	3.7	4.0
Aesthetics and Neighborhood Values	General aesthetics	3	3	2	1	3	3	5	4	5	5	4	5	3	5	3	3	4	2
	Underground and overhead distribution lines	3	3	2	1	3	3	5	4	5	5	4	5	3	5	3	3	4	2
	General health concerns	3	3	2	1	3	3	5	4	5	5	4	5	3	5	3	3	4	2
	General property value concerns	3	3	2	1	3	3	5	4	5	5	4	5	3	5	3	3	4	2
	Proximity to existing density	3	3	2	1	3	3	5	4	5	5	4	5	3	5	3	3	4	2
	View	3	3	2	1	3	3	5	4	5	5	4	5	3	5	3	3	4	2
	Outreach to impacted customers/property owners	3	3	2	1	3	3	5	4	5	5	4	5	3	5	3	3	4	2
	Average	3.0	3.0	2.0	1.0	3.0	3.0	5.0	4.0	5.0	5.0	4.0	5.0	3.0	5.0	3.0	3.0	4.0	2.0
Land Considerations	Land availability	4	4	3	2	4	4	4	4	4	4	4	5	5	4	4	4	4	5
	Land purchase price	4	4	3	2	4	4	4	4	4	4	4	5	5	4	4	4	4	4
	Land parcel size	4	4	3	2	4	4	4	4	4	4	4	5	5	4	4	4	4	5
	Site access - mobile substation	4	4	3	2	3	4	3	3	2	2	3	1	5	3	3	4	2	5
	Land slopes and contours	4	4	3	2	3	4	3	3	2	2	3	1	5	3	3	4	3	5
	Average	4.0	4.0	3.0	2.0	3.6	4.0	3.6	3.6	3.2	3.2	3.6	3.4	5.0	3.6	3.6	4.0	3.4	4.8
Environmental Considerations	Groudwater	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	Easements and permitting	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	Security of location	3	3	3	3	3	4	3	3	3	3	3	3	3	3	3	4	3	4
	Threats from natural disasters	4	4	4	4	4	4	4	4	4	4	4	2	4	4	4	4	2	4
	Disturbance of land	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	Wildlife areas	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
	Average	3.8	3.8	3.8	3.8	3.8	4.0	3.8	3.8	3.8	3.8	3.8	3.5	3.8	3.8	3.8	4.0	3.5	4.0
		#1	#2	#3	#4	#5	#6	#7	#8	#9	#10	#11	#12	#13	#14	#15	#16	#17	#18
RATING - TOTALS FROM EACH MAJOR CATEGORY		14.2	13.8	12.2	9.8	14.1	14.7	16.1	15.1	15.4	15.4	14.8	14.6	15.5	14.8	14.4	14.0	14.6	14.8
NARROW						1		Ī						1		1		Ī	
INITIAL PROPOSED NARROWING (Items 1 & 2) ==>			٦				1										1		
ADDITIONAL PROPOSED NARROWING (Item 3) ==> REVISED PER COMMUNITY GROUP INPUT (Item 3) ==>			j			Е		Α	E	С	С			В		С			
REVISED							А	D	С	С	E		В		G		F		
RESULTS																			
THREE SITE AREAS TO ANALYZE (Item 1) ==> AREA 7 AREA 9 10								AREA 13											

TOTALS - RANKING

Sites #7, 8, 9, 10, 11, 13 Sites #6, 12, 14, 15, 17, 18 Sites #1, 2, 3, 4, 5, 16

Proposed Narrowing Criteria:

Analyze Data

- Initial Assumption: Weight four major categories equally
- Sum major category average scores to establish rating 3. Color code to distinguish high, medium, and low ratings

- System Criteria: Eliminate any site that scores a "1"
 Aesthetics: Eliminate any site that scores a "1" or "2" 1. 2.
- Apply additional proposed narrowing based on score Apply results to map
- 5.
- Analyze results map and matrix
 Achieve N/3, which is 18 sites divided by 3 = 6 sites
- 6. Group sites to achieve 3 areas

Results

- Analyze 3 areas with additional Community Outreach Determine specific sites within the areas 1. 2.
- Consultant evaluation of three sites 3.