Tree Planting Proposal Rubric for Geospatial Skills

Criteria	Needs Improvement (5)	Adequate (6)	Proficient (7)	Exemplary (8)
Use GIS to manage, display, query, and analyze geospatial data. Use geospatial analysis to process geospatial data for the purpose of making calculations, and inferences about space, geospatial patterns, and geospatial relationships. Use geospatial data analysis in which geospatial relationships such as distance, direction, and topologic relationships (e.g. adjacency, connectivity, and overlap) are particularly relevant.	Some or all the proposed tree plantings are not placed into locations with specificity ("I will put the trees in the parking lot").	The policy describes the geographic locations of the of the proposed tree plantings (for example: in the main parking lot).	The policy describes the geographic locations of the of the proposed tree plantings (for example: in the main parking lot).	The policy describes the **specific** geographic locations of the proposed tree plantings (for example: on the northeast corner of the main parking lot).
	At least one screen shot from the Web GIS are included.	At least two screen shots from the Web GIS are included.	At least three screen shots from the Web GIS are included.	At least three screen shots from the Web GIS are included. Added detail will be present through detailed imagery added, labels, legends, and so forth.
	Existing trees or other features on the Building 21 property were not considered.	Existing trees or other features on the Building 21 property were not considered.	The proposed tree locations take into account existing trees and /or other features on the Building 21 property.	The proposed tree locations take into account existing trees and /or other features on the Building 21 property (for example, slope of the ground or drainage patterns of water).
Use inductive and deductive reasoning to analyze, synthesize, compare, and interpret information. Use logic and reasoning to identify strengths and weaknesses of alternative solutions, conclusions, or approaches to problems.	No site selections are practical.	One site selections is practical.	At least two site selections are practical.	At least two site selections are practical.
	A justification is not provided that explains why the two recommended locations are ideal locations.	A justification is provided that explains why the two recommended locations are ideal locations.	A valid justification is provided that explains why the two recommended locations are ideal locations.	A valid justification is provided that clearly explains with **much detail** why the two recommended locations are ideal locations.
	Does not address alternative locations or species.	Alternative locations **or** species that were not selected are addressed	Alternative locations **and** species that were not selected are addressed.	Alternative locations **and** species that were not selected are addressed with **much detail**.

	The major benefits of planting trees in the locations are not included.	The major benefits of planting trees in the locations are included (for example: trees are tall and will supply shade to that area).	The major benefits of planting a particular species in all three locations are included (for example: a certain species is quite tall and will supply shade to that area).	The major benefits of planting a particular species in all locations are included (for example: a certain species is fast growing, quite tall and will supply much shade to the area that currently has no trees)
	The proposal does not state how the tree plantings will impact or change the environment.	The proposal somewhat states how the tree plantings will impact or change the environment.	The proposal states how the tree plantings will impact or change the environment.	The proposal clearly states how the tree plantings will impact or change the environment.