



Montgomery County Public Schools



Request for Proposal (RFP) – RFP No. ESS8-100
House Design Plan

SCORING TOOL

Earned Points	WRITTEN REPORT REQUIREMENT	Points Possible
	Each house design must include a summary of the research and an analysis of the data that includes the following:	
	A description of the Problem to be studied. <i>(What is the problem you are trying to research/investigate?)</i>	2
	Diagram of house design <i>(includes a detailed sketch of the house design with labels)</i>	2
	Description & rationale of materials used	2
	Description of how house is designed to save energy <i>(How does the house function to save energy?)</i>	2
	Explanation of how the home was constructed to accommodate for high and low temperatures and amount of sunlight received. <i>(Does the amount of sunlight or lack of sunlight affect your home design?)</i> <ul style="list-style-type: none"> • High and low temperatures • Amount of sunlight 	3
	Explanation of how the home was constructed to accommodate for winds and precipitation.	3
	Description of how the home was designed to accommodate for local geographical features. <i>(Are you at a high or low elevation? Are there mountains or volcanoes nearby? Are you close to any oceans or large bodies of water?)</i> <ul style="list-style-type: none"> • High or low elevation • Mountains or volcanoes • Oceans or large bodies of water 	3
	Explanation of how the home was constructed to accommodate for severe weather threats. <i>(Are there any severe weather threats like tornadoes, hurricanes, blizzards, etc.)</i> <ul style="list-style-type: none"> • Tornadoes • Hurricanes • Blizzards 	3
	Description of how the home has green design elements. You need at least three green components <i>(ex. Solar panels, green roofs, etc.)</i>	3
	Explanation of choice of green design elements based on climate the home is being built in.	3
	Analysis of How the Home Design was constructed <i>(why did you choose the design features?)</i>	3
	Recommendations and Rationale for Any Redesign of the Home Design	3
	Grade: _____	32

