Name: _____ Date: _____

BLM 3.T1.1

Task: Electricity and Gas Costs Rubric

Category	Level 1	Level 2	Level 3	Level 4
Knowledge/ Understanding	• demonstrates limited knowledge of construction and interpretation of a scatter plot, and finding the line of best fit	• demonstrates some knowledge of construction and interpretation of a scatter plot, and finding the line of best fit	• demonstrates considerable knowledge of construction and interpretation of a scatter plot, and finding the line of best fit	• demonstrates a thorough knowledge of construction and interpretation of a scatter plot, and finding the line of best fit
Thinking	• uses planning and critical thinking processes with limited effectiveness (e.g., demonstrates limited evidence of inference in analysing the scatter plots and data)	• uses planning and critical thinking processes with some effectiveness (e.g., demonstrates some evidence of inference in analysing the scatter plots and data)	• uses planning and critical thinking processes with considerable effectiveness (e.g., demonstrates considerable evidence of inference in analysing the scatter plots and data)	• uses planning and critical thinking processes with a high degree of effectiveness (e.g., makes convincing inferential arguments, supported with very clear justification)
Communication	• expresses and organizes mathematical thinking with limited effectiveness • uses mathematical vocabulary and notation with limited effectiveness (e.g., statements re: identifying variables, describing the relationship, linearity, etc, are limited and have poor form)	• expresses and organizes mathematical thinking with some effectiveness • uses mathematical vocabulary and notation with some effectiveness (e.g., uses some good form statements re: identifying variables, describing the relationship, linearity, etc.)	• expresses and organizes mathematical thinking with considerable effectiveness • uses mathematical vocabulary and notation with considerable effectiveness (e.g., uses good form for making statements re: identifying variables, describing the relationship, linearity, etc)	• expresses and organizes mathematical thinking with a high degree of effectiveness • uses mathematical vocabulary and notation with a high degree of effectiveness (e.g., uses very good form for making statements re: identifying variables, describing the relationship, linearity, etc)
Application	• applies knowledge to this context with limited effectiveness (e.g., has difficulty making a scatter plot, and provides little correct analysis)	• applies knowledge to this context with some effectiveness (e.g., makes a scatter plot, provides some analysis, and makes some attempt to find the line of best fit)	• applies knowledge to this context with considerable effectiveness (e.g., uses tools to make a scatter plot, analyses it and finds the line of best fit)	• applies knowledge to this context with a high degree of effectiveness (e.g., uses appropriate tools to make a scatter plot, analyses it accurately and finds the line of best fit)