

In an effort to save money and be environmentally conscious, Philadelphia replaced all its traffic lights with red, green, and amber LED lights. The move was estimated to save the city \$1 million. However, the first heavy snowfall showed a flaw in the plan. The LED lights did not throw off as much heat as the old-style bulbs, so the snow did not melt from the traffic lights, causing disruptions at major intersections. A city council member put forward a motion to replace immediately all the LED lights with the older bulbs.

Write a response in which you discuss the questions that need to be asked and answered to determine if the recommendation and the argument on which it is based are reasonable. As part of your response, describe how the answers would help in the evaluation process.

Philadelphia state decided to save more money by changing the traffic lights with LED ones. Although this replacement saves approximately 1 million dollars, there occurred a large number of problems in major intersections. Due to the heat problem of LED lights, the heavy snow would not melt properly, and fatal accidents happened in major intersections. This problem is enough to make council members survey for a solution. However, for reinstalling, the older bulbs must be more cautious.

To begin with, this statement is not clear about melting the snow. This is because the LED lights do not produce as much heat like-as the older lamps or because the storm reaches their circuits and weaken the lights. Owing to the heat problems, it is easier to find a more economical solution, such as installing a shield on top of each traffic light to preclude the snow from covering them. There will be another solution that can put a new device that produces heat to help to melt the snow. It will cost less than returning to old ways.

The other fact that is not considered in this statement is that-whether the disruptions happened everywhere or just in some major intersections. In that case, they can only replace the old bulbs with new ones in such places where the problems occurred. Or maybe there can be extra maintenance in those specific points of the city, such as police officers or ask municipality to clean the lights more than other places.

Another compelling argument is that how often they have heavy snow. Is it worth neglecting the amount of money that they have saved and being environmentally friendly?

To put it simply, I think searching for a solution to prevent traffic problems in heavy snow days is necessary. However, there need more details and information to decide what is best to do. Can they not use standard technology to overcome these problems, or human resources can be a great help in this matter?