**Devan Reilly:** My plan to make Beaver Hall more sustainable is to cut back on the use of elevators and install low-flow showerheads. To cut back on the elevator use, we could make it so that only injured people and those who live on the 6th floor or higher can have access to the elevator. Additionally, on move-in and move-out day, everyone would be able to use the elevators to transfer their belongings. In order to only give certain people access to the elevators, a key system would be put in place. To use the elevators, you need to have a special key that will open the elevator for you. Only those who are injured or live on the 6th floor or higher would be given these keys. Cutting back on the use of the elevators would require little to no money to spend. The only money that would be required would be to put the key system in place and purchase enough keys for all the people that would have access to them. In addition to cutting back on elevator use, low-flow showerheads could be installed. This would allow for less water to be consumed each time someone takes a shower. The current showerheads are very high pressure and probably have a rate of flow of over 2 gallons per minute. These low-flow showerheads can be as low as 1.5 gallons per minute. There are approximately 64 showers throughout Beaver Hall, so 64 showerheads would need to be replaced. Since the showerheads would be around $10 each, the total cost for installing the new showerheads would only be around $640 which is not a lot of money considering how much money the University would save on the water bill. Both of these are very low cost improvements and would greatly increase the sustainability of Beaver Hall. They would also decrease the energy and water usage. In addition, they would not really negatively impact the lives of the people in the hall. Nobody should feel inconvenienced if they are not allowed to use the elevator whenever they want because it only takes an extra minute to walk up all of those steps and it will promote better health for those that have to take the steps.

**Anthony Vizza:** My plan to make Beaver Hall more sustainable is to install triple glazed windows. Depending on the size of the window, the cost range for these windows is from about $100 to $500. This can be a long-term plan, so that approximately every year, one floor in Beaver Hall can get these windows installed. Therefore, it would take around 9 years to complete the installation. There are around 300 windows that would need to be replaced. Although these windows have more cost, they would reduce the cost for heating since these windows are able to keep the heat in better. In the long run, the University would be saving money and being more environmentally friendly.

**Abdulrahman Alowisi:** One of the ideas we had was to reduce the amount of water used by the faucets in the sink. Similar to the idea of reducing the water flow in the shower heads; that could also apply in this situation. We believe that the lights in the hallway, which are on permanently, should be turned off as long as it is light outside, till about 7:30 pm in spring and 5:00 pm in winter. This would greatly reduce the amount of electricity used.

**Abdulaziz Helal:** Other than Anthony’s idea of changing the windows to ones that keep heat in in the winter and cool air in the summer. There was not a lot that could be done to conserve heat. Remove vending machines in the hall. Seeing as they are rarely, if ever used, they are just a
waste of electricity. There are about 16 washing machines in Beaver and 16 dryers; 2 of each in every floor. We were thinking of assigning every couple of rooms a day in which to do their laundry, and to just have the machines on from 9-5, or 9-7. And have them off the rest of the time, seeing as they are on 24/7 right now. This would also reduce the amount of water used.

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