

During the 2010 Winter Olympic Games in Vancouver, champions were not just taking home gold, silver or bronze medals—they were also playing a role in reducing electronic waste. For the first time in Olympic history, each medal, more than 1000 of them, was made with a tiny bit of the more than 142 000 of e-waste that otherwise would have been sent to landfill. The medals were the first containing metal salvaged from televisions, circuit boards, computer monitors and electronic waste. The socalled 'urban ore' was supplied by Teck Resources Ltd, Canada's largest base-metals producer, which provided the gold, silver and copper used to make the medals.

have been made from mined medals are mostly copper. mineral deposits; this was the

All the 2010 medals had some recycled material in the finished medals. first time that recycled materials e-waste materials from Teck's electronic have been added to them. First-recycling program located in Trail, more than 1.5 per cent of e-waste place winners get gold-plated British Columbia. Teck mixed gold, materials, while each copper medal medals that are 92.5 per cent silver. The silver and copper from the program contained just over 1 per cent, and the second-place medals are also 92.5 per with metals mined from the ground. silver medals contained only small pieces.

istorically, Olympic medals cent silver, while the third-place bronze The company said it could not provide the exact percentage of mined versus

Each gold medal contained a little

In addition to representing the athletes' outstanding achievements, the 2010 Olympic medals gave new life to the precious metals recoverable from e-waste.

The e-waste came from old computer monitor glass, various computer parts and other surplus or discarded technologies.

Several different processing methods

the shredding process, the parts were fed Hunt, were also the first non-flat medals into a furnace operating at a temperature greater than 1100 degrees Celsius.

were used to extract the materials. First, with other metals to create the medals. the company shredded the equipment Each medal was hand-cropped, to representing the athletes' outstanding to separate out the various metals, glass ensuring no two were alike, another achievements, the 2010 Olympic medals and other usable parts. To remove the first in Olympic history. The medals, gave new life to the precious metals metals that could not be recovered by designed by Canadian artist Corrine recoverable from e-waste.²⁸

made for the Games, with a wavy form to represent the ocean and mountain The materials were then combined snowdrifts, both characteristic of Vancouver's environment. In addition

- Why would the Olympics benefit from creating a strong environmental enterprise
- 2 How can the Olympics help support ethical e-waste initiatives?
- 3 Why would a sporting event like the Olympics be concerned with reducing its carbon footprint?
- What could the Olympics do to help shed light on global environmental enterprise architecture issues?
- 5 How could Moore's Law enable future Olympic medals to be made from more