|  |  |  |  |
| --- | --- | --- | --- |
| **Item** | **Assumptions** | **Value** | **Source** |
| Conventional | * Global warming potential (sum of all greenhouse gases measured in kg of equivalent CO2) is recorded instead of only carbon emissions. * Measured using the method developed by the Intergovernmental Panel on Climate Change for a 100-year time horizon (Eq.4) (Heijungs et al., 1992).   IGWP = ODPi x AEi  where IGWP is the global warming potential indicator (kg CO2eq), n is the number of analyzed substances, GWP is the global warming potential of the substance (kg CO2 eq/kg), and AE is the substance emission to air (kg).   * Assessment is centered in Santa Catarina State University in Joinville, Southern Brazil. * Assumed lifespan of both taps is 4 years * CO2 eq during the “Use” comes from water usage and heating * While no model or brand given for either plumbing fixture, the makeup of each is conveyed in the table below:   Screen Shot 2015-11-03 at 6.03.57 PM.png | 3.45 kg CO2-eq | [Link](https://drive.google.com/file/d/0B--O_p54KxzvLUNjVzVmcmtVUVU/view?usp=sharing) |
| Water-Saving | “ | 3.61 kg CO2-eq | [Link](https://drive.google.com/file/d/0B--O_p54KxzvLUNjVzVmcmtVUVU/view?usp=sharing) |