

**Shawn Norton/WASO/NPS**  
01/07/2011 01:39 PM EST

To Terry Brennan/WASO/NPS@NPS  
cc Tim Harvey/WASO/NPS@NPS  
bcc  
Subject Fw: Water Bottle Issue

Terry -

Please see Kurts and Tims comments below on the water bottle issue. I am also attaching the final briefing sent to Tim and Steve on this matter. Here is what I am proposing:

Please begin the development of a guidance document (2-5 pages max) on the issue taking into consideration both Tims and Kurts comments. The guidance should also clearly reference the GPP goals on this subject. Plan on having a draft to me by the end of January. You can work with Kurt on the language... but we will be the lead so we have final editorial control.

Tims comments below:

If it is not already being done, it seems to me that we would benefit from having some standard specifications and sources for refilling stations for the parks to use similar to what you all provided for energy reduction and efficiency improvements. Additionally, I would suggest that we work with Commercial Services to develop a strategy for how we might encourage the elimination of disposable water bottles being sold by park concessioners.

Thanks



Plastic Water Bottles in NPS Brief.docx

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----- Forwarded by Shawn Norton/WASO/NPS on 01/07/2011 01:24 PM -----

**Kurt Rausch/WASO/NPS**

01/07/2011 10:08 AM

To Shawn Norton/WASO/NPS@NPS  
cc Julie Corby/WASO/NPS@NPS  
Subject Water Bottles

Hi Shawn:

Just wanted to follow-up on my phone call to you yesterday on the water bottle research that you and Julie are doing to address Steve and the Director's request. Four pieces that I do not believe have been well documented at this time as factors in the decision making process are:

1. Cost to install refilling stations.
2. Cost to operate and maintain refill stations (e.g, monitoring and testing, cleaning, etc.) and operate Park water supply system (e.g., pumping water form North Rim for South Rim operations).

3. Analysis of natural resource considerations (i.e., use of potentially scarce local water supply).

4. Cost savings anticipated from reduced waste disposal. I know you are collecting data on volume reduction but how does that translate to actual maintenance cost reduction.

These are kind of unique to the NPS and are not typically a consideration in more global LCAs that are documented for disposable water bottles versus tap water. While it is likely that such NPS-specific considerations are not likely to change to overall cost/benefit result, we believe they are worth consideration to demonstrate a comprehensive review. In that they are predominately PFMD-maged aspects, you may want to consider them in your data collection and analysis.

Whenever you complete your research it would be great to take a look at what you have. In the mean time, we continue to work through the concessioner and water bottler financial and other considerations.

Thanks,

Kurt

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