

**RE: Water Data + Web Script**

Joseph Kane

**Sent:** Tuesday, September 19, 2017 2:18 PM**To:** Alec Friedhoff**Cc:** David Lanham; Anthony Fiano**Importance:** High**Attachments:** Metro Water Use Report - ~1.docx (726 KB) ; Metro Water Use - Interac~1.docx (412 KB) ; FINAL\_Metro\_FullBreakdown~1.xlsx (3 MB) ; USGS Category Descriptions.xlsx (15 KB)

Hey Alec,

Attached are the relevant files I think you need to keep moving forward. CCing David and Anthony to keep them in the loop too.

Specifically:

- I've included **the final version of the report** itself, which Ranjitha is laying out now in a PDF.
- I've included an **updated version of the web script**, modeled after the broadband page. Most of the text here is repurposed from the report itself, but as we discussed, I tried to simplify and condense this as best as I could. I'm happy to whittle this down even further depending on your thoughts.
  - o Also, FYI, I included some static charts from the report that could fit well under each of the major findings. Ranjitha still needs to adjust the infographic, but I would like to work that in somewhere on the webpage.
- Finally, I've included the **most current data** for the interactive, including the **USGS category descriptions**. I believe you should already have these metro and nonmetro data (broken down by state), but let me know if not.
  - o Again, the major units of analysis are: total water use and total water use per capita. Residential water use per capita is also prominently featured.
  - o As I mentioned previously (and as you can see in the report), I'm focusing on five major categories of use: thermoelectric (PT-Wtotl), irrigation (IR-WFrTo), public supply (PS-Wtotl), self-supplied industrial (IN-Wtotl), and other. The "other" category includes livestock (LI-WFrTo), aquaculture (AQ-WTotl), mining (MI-Wtotl), and self-supplied residential (DO-WFrTo).
  - o Note while the model looks at total residential use (i.e. DO-TOTAL) at a county level, this is not analyzed separately in the other findings.

Happy to touch base if any questions or extra thoughts come up. If we want to show any longitudinal comparisons at the metro level, we might be able to do so from 2005 to 2010 (as I did in Figure 11 in the report), otherwise we're probably safer sticking to the 2010 data only.

Thanks again for your help,

Joe

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**From:** Joseph Kane  
**Sent:** Monday, September 18, 2017 5:31 PM  
**To:** Alec Friedhoff <AFRIEDHOFF@brookings.edu>  
**Subject:** Water Data + Web Script

Hey Alec,

Just a heads-up that I hope to send along the materials we discussed by tomorrow. I was originally aiming for today, but ran out of time. Feel free to circle back around with any questions or thoughts that come up in the meantime.

Thanks again,  
Joe

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