Process for an Updated "*Section IV - Pipe Materials.xlsx*" File

Prep the Data

1. Save the "*Pipe Data*" tab from the spreadsheet as a separate CSV file into the `edl/kb/friction-loss` folder as: "*Section IV - Pipe-Tube Data.csv*"
    - In turn, save the new spreadsheet (replacing the old one) as "*Section IV - Piping Materials.xlsx*" file
2. Add a new row under the header row (which is/should be at row 4)
    - On that new row, put the word "*include*" in every column that you want displayed on the tables in **Section IV** on the EDL website.
    - Make sure to always "*include*" the **Group Name, Sub-Division and Sub-Division Name**.

Build the tables and json file for the Friction Calculator

1. Run the build file in the `edl/kb/friction-loss` folder:
    - `python build-full.py`
    - This will generate the data tables in `edl/source/04_piping-materials-IV/table-data`
        - The file names are auto-created based on the **Group Name** and then the **Sub-Division Name**:
          `<Group Name Initials>_<First 4 letters of each of the words in the Sub-Division Name followed by '-'>.csv`
        - Ex: **Group:** Steel Pipe
          Sub-Division Name: Welded and Seamless Wrought Steel Pipe
          Filename generated: `sp_weld-and-seam-wrou-stee-pipe.csv`
    - These tables are referenced in the *.md files in `edl/source/04_piping-materials-IV`
    - This build will also generate the `friction-loss-materials-full.json` file in the `generate/static` folder.
        - This file is used by the friction calculator implemented in the `source/javascript/calculators.js` file.