Weatherization Assistant (NEAT/MHEA) version 8.9 - 30-year lifespan instructions
Using 2019 Fuel Price Indices

You cannot directly analyze a measure with a lifetime of more than 25 years in the Weatherization Assistant because you cannot enter a lifetime of greater than 25 for a weatherization measure or fuel price indices for beyond 25 years in the Setup Library. However, there is a workaround method for analyzing a measure with a 30-year lifetime.

The workaround involves setting the lifetime for the measure to 24 and entering an "artificial" fuel price index for year 24 that equivalently calculates (simulates) a 30-year lifetime (i.e., all measures designated as having a 24-year lifetime will actually be analyzed as if they had a 30-year lifetime).
* NOTE: The method involves Year 24 and because there is a flaw with using Year 25.

Here are the steps you will need to perform:
1. Copy an existing Setup Library and name it with something like "30-Year Calculations" in the name. NOTE: This will provide you with a separate, unique setup library to investigate the impact of 30-year lifetimes while keeping the original setup library unchanged for other analyses that you perform.
2. You will need to update all the fuel indices to match those in the attached table. First, open the attached spreadsheet and select cells E3:E210, next use the "Copy" function (or use Ctrl+C). Then in WA 8.9, enter the Setup Library, select the Fuel Price Indices tab, then click the tab labeled "Price Index" which should highlight all the cells below the tab. Use the function Ctrl+V, to paste the copied cell contents into the selected cells. WA will give you a warning about pasting the contents of 208 cells, select Yes to proceed.
3. Once you have updated the fuel price indices in step 2, then verify that the updated UPWs are correct by spot checking the numbers that are automatically calculated for <u>Year 24</u> (should be within +/- 0.01). NOTE: The numbers provided below will simulate a 30-year lifetime analysis consistent with the 2019 price indices entered for all other years. Although you may be performing analyses for just one or two fuels, we're providing indices for all fuels for completeness.
    a. Natural Gas: 23.01
    b. Oil: 23.79
    c. Electricity: 20.40
    d. Propane: 27.75
    e. Wood: 19.60
    f. Coal: 19.99
    g. Kerosene: 23.79
    h. Other: 19.60
4. Go to the Library Measures form and change the lifetime to 24 years for any measure that you want to analyze with a 30-year lifetime.
5. Close the Setup Library, return to the Main Menu, click on NEAT, enter or select an audit, and on the Audit Information form select "30-Year Calculations" as the Setup Library.

When you click on "Run Audit", all measures designated with a lifetime of 24 will be analyzed as if they had a 30-year lifetime.

* NOTE: The "artificial" fuel price indices entered for Year 24 do <u>NOT</u> impact the calculations for Year 23 or before. The "artificial" fuel price indices entered for Year 24 <u>DO</u> impact Year 25 calculations, so a lifetime of 25 should <u>NEVER</u> be used in the "30-Year Calculations" Setup Library.