Fuel Cost Library Changes for 2022/2023 Mid-Year

Per WPN 22-10, DOE allows for the use of Non-Energy Impacts (NEI). MN has been approved to use Social Cost of Carbon (SCC) in evaluation of our energy audit tool. SCC is the monetary value of the net harm to society associated with adding a carbon to the atmosphere each year.

The following fuel costs can be used for all new audits as of January 10, 2023.

WA Library Instruction

Make two copies of your current Fuel Cost library. (This should currently be 2022/2023 Audit Fuel Costs and 2022/2023 Energy Index Fuel Cost).
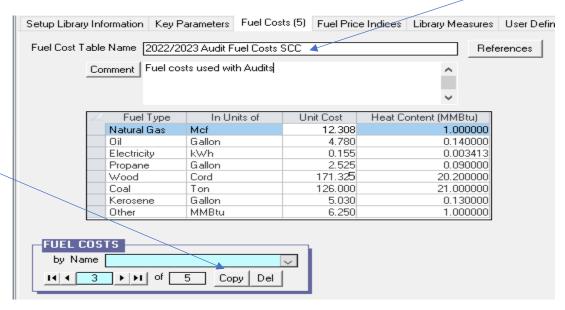
Rename one copy **2022/2023 Audit Fuel Costs SCC.** Enter the following in the Unit Cost section of the Fuel Cost Table.

Fuel Type	Unit Cost
Natural Gas	**12.308**
Oil	**4.7801**
Electricity	**0.1549**
Propane	**2.5248**
Wood	**171.325**
Coal	**126.000**
Kerosene	**5.0301**
Other	**6.250**

Verify "Fuel costs used with Audits" is in the comment section. If missing, add.

The example Audit Fuel Cost Table should look like the example below. **Due to rounding issues in WA, please ensure the fuel costs above are what is entered. The display below rounds and/or cuts off some of the number.**
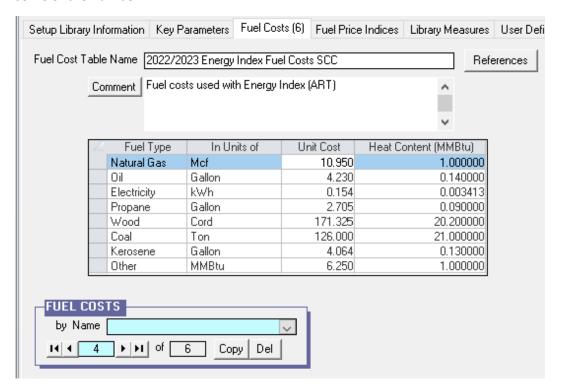
This fuel cost table will be used for ALL audit runs to determine SIR measures.

Fuel Cost Table Name: 2022/2023 Audit Fuel Costs SCC

Comment: Fuel costs used with Audits

Fuel Type	In Units of	Unit Cost	Heat Content (MMBtu)
Natural Gas	Mcf	12.308	1.000000
Oil	Gallon	4.780	0.140000
Electricity	kWh	0.155	0.003413
Propane	Gallon	2.525	0.090000
Wood	Cord	171.325	20.200000
Coal	Ton	126.000	21.000000
Kerosene	Gallon	5.030	0.130000
Other	MMBtu	6.250	1.000000

FUEL COSTS
by Name

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Rename the second copy **2022/2023 Energy Index Fuel Costs**. Enter "Fuel costs used with Energy Index (ART)" in the comment section. Enter the following in the Unit Cost section of the Fuel Cost Table.

Natural Gas	**10.950**
Oil	**4.2301**
Electricity	**0.1539**
Propane	**2.7048**
Wood	**171.325**
Coal	**126.000**
Kerosene	**4.0641**
Other	**6.250**

The example Audit Fuel Cost Table should look like the example below. **Due to rounding issues in WA, please ensure the fuel costs above are what is entered. The display below rounds and/or cuts off some of the number.**

While no longer required by Commerce, this fuel cost table may be used to determine the BTU/HDD/Sq. Ft. calculation in the Normalized Heating Energy Consumption Index Calculator (or ART). An index calculation of 7 of higher indicates the client as a High Energy User.

This process will be repeated for each Library used for Audit Runs.

Do not delete previous fuel cost tables as they are connected to existing audits and will be needed in the event of a fuel switch request.

If you have any questions, contact weatherization.commerce@state.mn.us

Updated January 2023