Running the dynamic simulation in the TRNEdit application (TRNSYS) – Instructions

This document is a step-by-step guide on how to run the BTES dynamic simulation (section "4. Evaluate Performance" of the Stand-alone tool)

1. Before running the dynamic simulation (section 4 of the stand-alone tool), make sure the previous sections (sections 1, 2 and 3) have been checked. This can be done by looking at the status indicator (color indicator) on the right hand side of each section (see Figure 1).
    - If the status indicator is black, the section has not been checked.
    - If the status indicator is green, the section has been successfully cheeked.
    - If the status indicator is amber, the section is busy (calculating)
    - If the status indicator is red, there is an error.

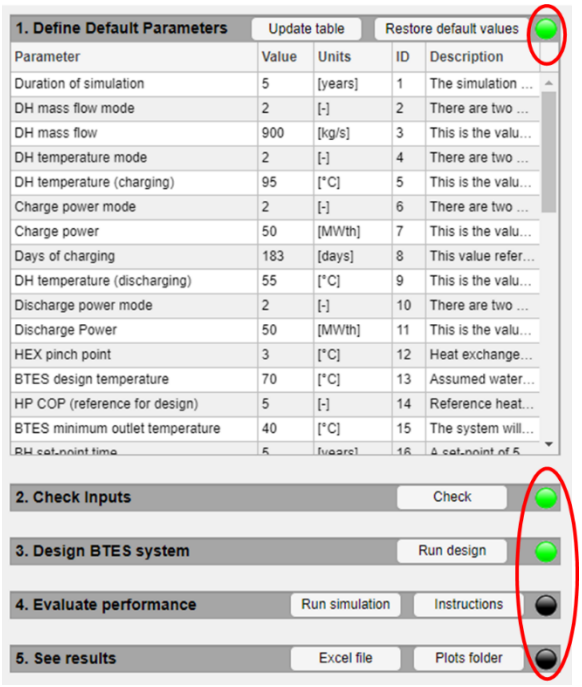

Figure 1. Status indicators

2. Click on the “Run simulation” button in section “4. Evaluate Performance” (see Figure 2). This will open the TRNEdit application. You will see a dialog box (see Figure 3) and the following icon in the task bar:

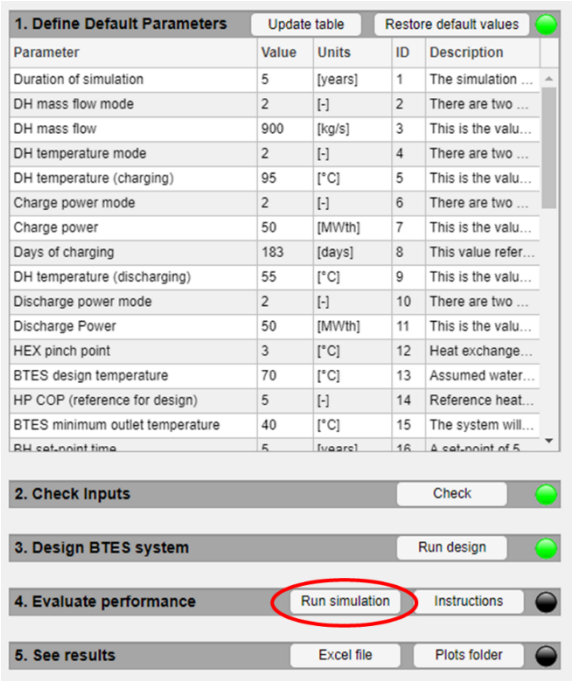

Figure 2. Run simulation button

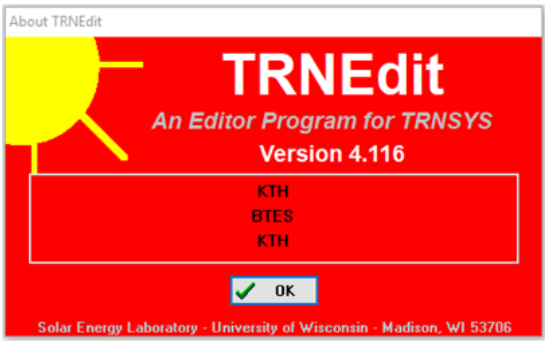

Figure 3. TRNEdit dialog box

3. Then, click on “OK” in the dialog box shown in Figure 3.

4. Click on TRNSYS/Calculate as shown in Figure 4, or simply press F8.

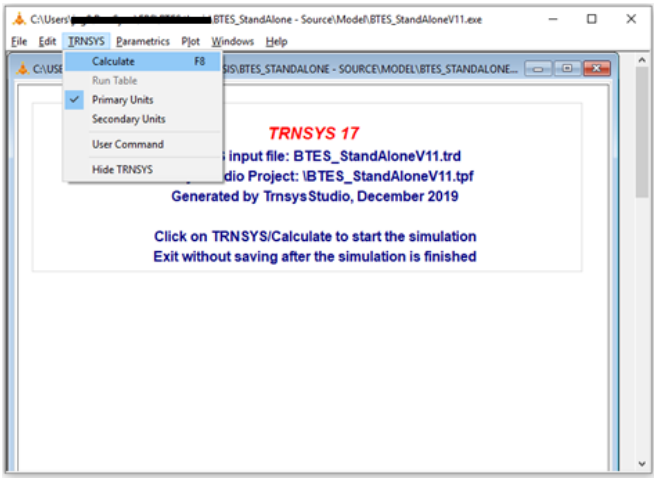

Figure 4. TRNEdit start and run

5. The dynamic simulation starts and an online plotter is shown. When finished, the following message box appears (Figure 5, left), click "Yes"

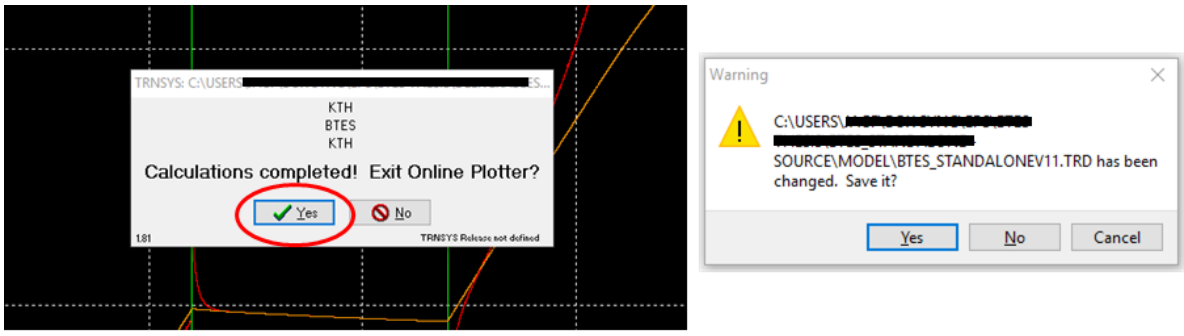

Figure 5. Exiting the TRNEdit app

6. Close the TRNEdit application (the TRNEdit application is the window shown in Figure 4), and save the ".TRD" file (warning dialog box shown in Figure 5, right). The simulation will not continue until the TRNEdit application (window shown in Figure 4) is closed. If this icon is visible in the task bar, then the TRNEdit app is still open.

7. Continue to the Stand-alone main window and look for any messages in the "Message Window section" on the bottom right corner.

8. Then you can see the results in section "5. See Results"