

Heat Source version 8.0.8 installation instructions for Windows 10 or Windows 11

March 2025



State of Oregon
Department of
Environmental
Quality

Water Quality Division

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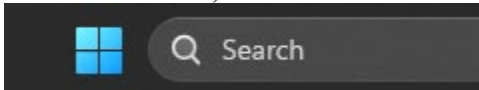
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Follow the steps below to get Heat Source version 8.0.8 running on Windows 10 or Windows 11.

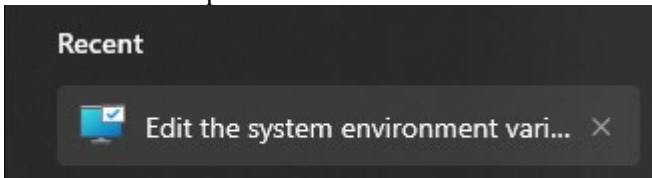
1. Download the Heat Source version 8.0.8 zip file from DEQ's website at <https://www.oregon.gov/deq/wq/tmdls/Pages/TMDLs-Tools.aspx>. Extract and open the folder "install_executables".
2. Double click on "python-2.5.4.msi" and follow the installation instructions.
3. Right click on "pywin32-221.win32-py2.5.exe" and select "Run as administrator". Follow installation instructions. Make sure to install in the Python25 folder.
4. *Optional:* Right click on "psyco-1.6.win32-py25.exe" and select "Run as administrator". Follow the installation instructions. Make sure to install in the Python25 folder.
5. Right click on "heatsource-8.0.8-190294d.win32.exe" and select "Run as administrator". Follow the installation instructions.
6. Navigate to the location where Python was installed and confirm the path to python.exe. It's usually at the path below. If this is not the location find it and copy the path for future use.

C:\Python25\python.exe

7. On the task bar, find Search. Search for "Environment Variables".

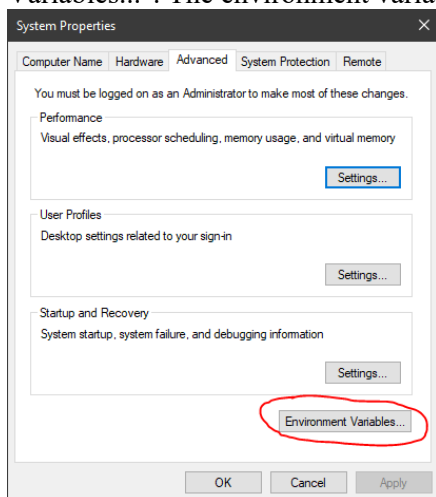


8. Select the option that says something like "Edit the system environment variables". A new window should open.

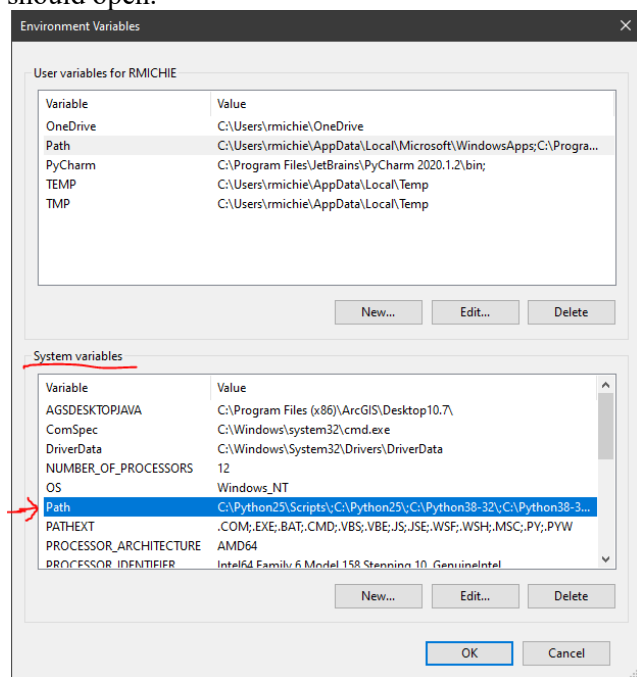


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9. On the lower right of the System Properties window select the button named "Environment Variables...". The environment variables window should open.



10. Under System variables, highlight the "Path" variable and select "Edit". A new window should open.



11. Select the "New" button and add the path to Python 2.5 folder that contains the python executable. Don't include the executable in the path name. Just the path to the folder where it's saved. E.g.

C:\Python25\

12. Add another path to the Python 2.5 scripts folder. Eg.

C:\Python25\Scripts\

13. Now use the "Move Up" button to move these two paths to the very top so they are listed above any other items in the list. It should look something like this:



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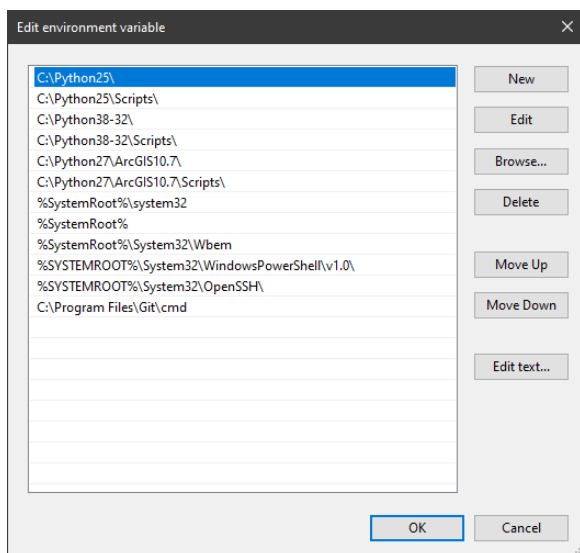
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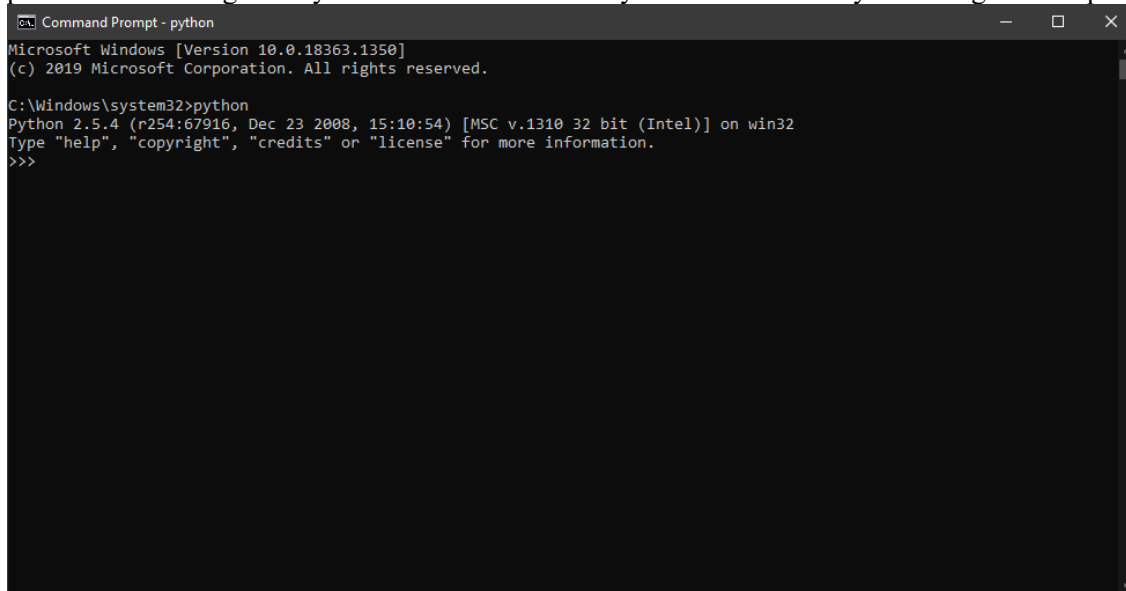
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14. Now select “OK” or “Apply” on all the open windows to close them.

15. Open a command prompt. Type “python” without quotes and hit return. You should see a printout confirming that Python 2.5.4 is installed. If you don’t see this try restarting the computer.



16. Open a Heat Source 8 model. If the file extension is not already saved as a .xslm, resave the workbook as a .xslm file. Close and reopen.

17. Newer versions of Microsoft Office do not communicate well with the version of pywin that is used in python 2.5. Therefore, the model must be initiated directly from within python. To start a model use the included “run_hs808.py” script. Update the path in the script to your local excel model file and save it. It is suggested you save this file in the same directory where the model is saved. Run the script using python 2.5 IDLE or another method of your choice. From IDLE, start the model by selecting Run > Run Model.

Congrats, a heat source version 8 model should be able to run on your computer.



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