# Notes on Weatherization Assistant Version 8.5

*Updated: June 9, 2009*

**Vista Users—**Version 8.5 of the Weatherization Assistant runs on a Vista computer operating system. However, use of the Weatherization Assistant's Help feature (activated by pressing the F1 key on your keyboard) requires the installation of the "winhlp32.exe" Microsoft application. The quickest way to obtain this application is to enter "microsoft winhlp32" in the Google search engine and then select "Download details: **WinHlp32**.exe for Windows Vista" from the list of hits, which is normally near the top. Follow the instructions given on this web page to install the patch.

**Window Characteristics—**Version 8.5 of the Weatherization Assistant adds the ability for the user to describe the characteristics of the standard replacement window, low-e replacement window, and replacement storm window in the National Energy Audit Tool (NEAT), including the flexibility to describe the replacement storm window as being low-e. Standard values for these characteristics are initially supplied in the software under the "Windows" sub-tab of the "Key Parameters" section of the program's Setup Library. The inputs are shown below:

| Name | Value | Units |
|---|---|---|
| Replacement Window U-Value | 0.46 | Btu/F-sqft-hr |
| Replacement Window Solar Heat Gain Coefficient | 0.62 | na |
| Replacement LowE Window U-Value | 0.42 | Btu/F-sqft-hr |
| Replacement LowE Window Solar Heat Gain Coefficient | 0.42 | na |
| Replacement Storm Window Emittance | 0.82 | na |
| Replacement Storm Window Solar Heat Gain Coefficient | 0.895 | na |

These standard values can be modified if they are different from the characteristics of the replacement windows and storm windows that you use. U-Values and Solar Heat Gain Coefficients (SHGC) for replacement windows should be available from the window manufacturer or possibly from the National Fenestration Rating Council (http://www.nfrc.org/). The emittance and SHGC for a storm window (including a low-e storm window) need to be obtained from the manufacturer of the storm window.