

# US DOE Technical Analysis Workshop for Window Attachments - July 16 and 17 in Washington, DC

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|-----------------------------------|---|---|
| <b>Meeting Purpose</b>            | To discuss with key stakeholders what is needed and what is available to properly characterize window attachment performance, including test procedures, simulation programs, indices of performance, and product categories. |   |
| <b>July 16<sup>th</sup>, 2012</b> |   |   |
| 7:30                              | 8:00  | <b>Registration, Breakfast</b>  |
| 8:00                              | 8:10  | <b>Opening Remarks:</b>   |
| 8:10                              | 8:30  | <ul style="list-style-type: none"> <li>• Walt Zalis – Energetics Incorporated (Ground Rules and Purpose of Meeting)</li> </ul>                                |
| 8:30                              | 8:50  | <ul style="list-style-type: none"> <li>• Alexis Abramson/Marc LaFrance – U.S. Department of Energy</li> </ul>   |
| 8:30                              | 8:50  | <ul style="list-style-type: none"> <li>• Doug Anderson – U.S. EPA</li> </ul>  |
| 8:50                              | 9:15  | <b>Presentation:</b><br>“Categorization of attachment products, for testing, simulation programs and their performance indices” [WinBuild]                    |
| 9:15                              | 10:05   | <b>Discussion:</b><br>Product categories  |
| 10:05                             | 10:15   | <b>Break</b>  |
| 10:15                             | 11:05   | <b>Discussion:</b><br>Simplifications for expressing product performance  |
| 11:05                             | 11:30   | <b>Presentation:</b><br>“Simulation models, software tools, measurement procedures, standards – current state of the art, gaps, plans for future work” [LBNL] |
| 11:30                             | 12:20   | <b>Discussion:</b><br>Simulation methods and tools  |
| 12:20                             | 1:20  | <b>Lunch</b>  |
| 1:20                              | 2:10  | <b>Discussion:</b><br>Measurement methods   |
| 2:10                              | 2:35  | <b>Presentation:</b><br>“Summary of current efforts to develop attachment performance indices” [WCMA]   |
| 2:35                              | 3:00  | <b>Presentation:</b><br>“Market study to determine installed base and user operating behaviors of residential window attachments” [D&R]                       |
| 3:00                              | 3:50  | <b>Discussion:</b><br>Indices of performance  |
| 3:50                              | 4:00  | <b>Break</b>  |
| 4:00                              | 4:50  | <b>Discussion:</b><br>ENERGYSTAR needs  |
| 4:50                              | 5:00  | Next Steps for Second Day of Meeting  |

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| July 17th, 2012 |       |  |
|-----------------|-------|--|
| 7:30            | 8:00  | <b>Breakfast</b>   |
| 8:00            | 8:40  | <b>Reconvene discussion:</b> <ul style="list-style-type: none"> <li>• Simulation methods</li> </ul>  |
| 8:40            | 9:20  | <ul style="list-style-type: none"> <li>• Measurement methods</li> </ul>  |
| 9:20            | 10:00 | <ul style="list-style-type: none"> <li>• ENERGYSTAR needs</li> </ul>   |
| 10:00           | 10:10 | <b>Break</b>   |
| 10:10           | 11:30 | <b>Conclusions and action plan</b>   |
| 11:30           | 12:15 | <b>Closing Remarks:</b> <ul style="list-style-type: none"> <li>• Lawrence Berkeley National Laboratory</li> <li>• WCMA</li> <li>• US EPA</li> <li>• US Department of Energy</li> </ul> |

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