

## Vent Fans Erroneous Energy Savings

We have notices on many projects an excessive amount of energy savings from Vent Fans. We have spoken with the Florida Solar Energy Center (FSEC) about this and, as best as they can tell, there is a glitch in the software resulting in erroneous energy savings associated with vent fans. Our understanding is that when the energy model is being developed, if floors are copied (meaning, for example, floors 20-30 of your building are identical and instead of building the floor from scratch the floor is copied for the 11 floors, this software glitch causes the strange vent fan savings.

We are working with FSEC on a resolution. If this has happened to you and are willing to share, please send the files to FSEC so that they can try to resolve the issue.

What this means to you as DP's - please take note of the Output Report (usually page 5) of the Building End Uses. The shows both the baseline building and the proposed building's performance with respect to Area Lights, Misc Equipment, Pumps & Misc, Space Cool, Space Heat, Vent fans, Space Heat.

Look at the Vent Fans baseline and proposed numbers. IF there seems to be an accessibly large energy savings from vent fans we will be asking for an explanation of the savings from the MEP. If the savings is a result of the glitch, we will remove the vent fan contributions to both the baseline and the proposed building and calculate the percentage energy savings from the totals without the vent fans included.

Dr. Jennifer Languell  
(239) 229-3177  
[jennifer@trifectaconstruction.com](mailto:jennifer@trifectaconstruction.com)