



## **eQUEST MODEL ORGANIZATION AND PARAMETRIC RUNS**

**When modeling the proposed design in eQuest, the “parametric runs” function must be used to model all energy reduction measures where possible.**

This function not only facilitates the QC review of the model but also decreases the time to create models, and reduces the number of unintended, erroneous differences between the baseline and proposed simulations. The energy impact of each measure can easily be evaluated and documented. If there are no changes to the HVAC system type, only one model shall be submitted.

In cases that the HVAC system type changes from the baseline to proposed design, two models may be submitted. The first model shall only include the baseline building components. The proposed model shall initially be a copy of the baseline model. Changes to the HVAC systems shall be made in the detailed interface (e.g. inclusion of water source heat pump in the proposed design). Other than the change in systems, there shall not be any other changes between the two models. Once the proposed systems are included in the proposed model, each of the measure improvements shall be modeled as a separate parametric run added to all the previous parametric runs. The compare documents feature of Microsoft Word or other word processor may be used to compare the .inp files of the baseline and proposed models to identify any unintended differences between the two models.

**Model submissions that do not incorporate parametric runs will not be accepted. All simulation software with improvement or parametric run capability shall follow similar guidance.**