

<b>Table 2: Non-Consensus Workpapers</b>	
<b>Workpaper</b>	<b>Recommendations</b>
Steam Trap Replacement SCE SDGESCWP100310A Steam Trap Replacement	<p>should be handled as custom projects because of the variability in hours of operation, pressure and steam trap size.</p> <p>2. An adjustment should be made to the assumed operating pressures used to estimate leaking steam trap losses to account for the presence of control valves. A 0.67 multiplier is recommended.</p>
<b>SCG</b> <b>SDGEWPSDGENRL1006</b> <b>Pipe Insulation</b>	<p>Per request of Sempra, Energy Division reviewed the workpaper in January, 2011. Energy Division recommends approval upon inclusion of the following revisions:</p> <ol style="list-style-type: none"> <li>1. Specific language should exclude the application of this measure to hot water piping covered by current Title 24 and OSHA standards.</li> <li>2. Modify program description to exclude the replacement of damaged existing insulation as the heat loss of a system with damaged insulation is unknown.</li> <li>3. Revise the assumed pipe diameter for pipe greater than 1" from the assumed 2" to 1.7".</li> <li>4. Revise boiler efficiencies to be combustion efficiency estimates rather than overall boiler efficiency. Changes should account for smaller boilers as well as errors in the CEC boiler database. Steam boilers should assume a combustion efficiency of 83% as found in the 06-08 EM&amp;V effort for steam trap replacements.</li> <li>5. The actual value of pipe insulation used in analyses should be provided in the working paper write-up. The assumed pipe insulation conductivity should be based on the assumed operating temperature of the steam or hot water.</li> <li>6. Jacket properties (paper or metal) should be an average based assuming 50% of each type of jacket.</li> <li>7. Hot water process temperatures differ in Tables 2 and 3. The 150°F value is seen as appropriate.</li> <li>8. One would expect that savings values for fittings would be a consistent fraction of that for piping insulation for a given pipe size (only variable that changes between the fitting and pipe calculations would be the assumed surface area). It is not. Recommended savings values are included in the workbook "SDGE_Fittings_Insulation.xls."</li> <li>9. A sink temperature of 65°F is not reasonable for indoor locations. Revise calculations based on a 75°F sink temperature.</li> </ol>
PGE PGECOAGR101 Greenhouse Thermal Curtains	<p>Approval upon inclusion of the following revisions:</p> <ol style="list-style-type: none"> <li>1. DEER UES values may be used only under the following conditions:               <ol style="list-style-type: none"> <li>a. greenhouse must be equipped with an overhead heating system</li> </ol> </li> </ol>