

EPA WEIGHTED AVERAGES CALCULATIONS  
EPA WEIGHTED AVERAGE PARTICULATE EMISSION RATE

The weighted average particulate emission rate ( $\overline{PM}$ ) for the  
PE TRUE NORTH TN20 Noncatalytic Wood Heater  
manufactured by Pacific Energy  
is 2.05 g/hr.

EPA WEIGHTED AVERAGE OVERALL EFFICIENCY

The weighted average overall efficiency ( $\overline{\%OE}$ ) using the Higher Heating Value (HHV) in CSA B415.10-1 is 74.8%. The weighted average overall efficiency ( $\overline{\%OE}$ ) using the Lower Heating Value (LHV) in CSA B415.10-1 is 80.8%. The EPA Default efficiency Value is 63.0%.

EPA TEST RESULTS

Run #	Dry Burn Rate/kg/hr	Grams/Hour	HHV Overall Efficiency	LHV Overall Efficiency
<u>1</u>	<u>0.949</u>	<u>1.582</u>	<u>75.6</u>	<u>81.7</u>
<u>2</u>	<u>1.114</u>	<u>1.601</u>	<u>75.9</u>	<u>82.1</u>
<u>3</u>	<u>1.306</u>	<u>1.734</u>	<u>73.3</u>	<u>79.2</u>
<u>5</u>	<u>2.065</u>	<u>3.361</u>	<u>74.6</u>	<u>80.6</u>
<u>6<sup>1</sup></u>	<u>1.104</u>	<u>2.210</u>	<u>74.0</u>	<u>80.0</u>
<u>4<sup>2</sup></u>	<u>1.415</u>	<u>2.130</u>	<u>N/A</u>	<u>N/A</u>

<sup>1</sup> Run 6 = Fan Confirmation Test  
<sup>2</sup> Run 4 = Fan Confirmation Test that missed burn rate