

What happens when steam pressure varies?

Here is an example:
 Meter sized for 100 PSI steam pressure.
 System runs at 80 PSI.

Look at this:

**Based on 100#
 Steam**

Pressure	Actual Pressure	Density	Error	Assume 1000 Lbs/Hr Usage Meter Reads	If Cost is \$7.28/1000#	You have Gained or Lost \$ per HOUR!!!	Based on 7 Months Heating	Amount
80	20 # Low	0.214	20.09%	1200.934579	\$8.74	\$1.46	\$7,314.02	Over Billed
90	10 # Low	0.236	8.90%	1088.983051	\$7.93	\$0.65	\$3,238.98	Over Billed
100		0.257	0.00%	1000	\$7.28	-	-	
110	10 # High	0.278	-7.55%	924.4604317	\$6.73	\$(0.55)	\$(2,749.64)	Under Billed
120	20 # High	0.299	14.05%	859.5317726	\$6.26	\$(1.02)	\$(5,113.04)	Under Billed

What to do? Use the Multi-Variable Vortex Meter!