

Table 2 – Estimated Savings for Gas-fired Water Heaters Using Softened Water Over 15 Years Life

Cost Elements	Water Hardness (grains per gallon)						
	0	5	10	15	20	25	30
Instantaneous Gas Water Heaters							
Percent Life Cycle Energy Cost Savings, % ¹	NA	5.4	5.4	5.4	5.4	5.4	5.4
Percent Total Life Cycle Cost Savings, % ¹	NA	14.0	22.5	31.2	39.6	48.4	57.0
Estimated Usage before Deliming Required, Years ²	NA	8.4	4.1	2.7	2.0	1.6	1.4
Gas Storage Water Heaters							
Life Cycle Operating Efficiency Reduction From Baseline, % ³	0.0	4.3	8.5	12.8	17.0	21.3	25.5
Percent Life Cycle Energy Cost Savings, % ⁴	NA	3.1	6.6	10.3	14.5	19.0	24.2

Notes: ¹ Derived from Table 5-2

² Derived from Table 5-1

³ Derived from Table 5-3

⁴ Derived from Table 5-4