

## SECTION 6

## RESIDENTIAL MEASURE ENERGY SAVINGS TABLES

## Multi-Family Measure Savings

## Duct Repair

Measure base: 20% duct leakage

Measure description: 6% duct leakage

50% of duct loss is lost to outside

Measure units: House

Measure Savings	Vintage	Forecasting Climate Zones										
		1	2,6	3,7	4	5	8,11	9,12,16	10	13	1 (clg)	15
Energy kWh/unit	Pre-1978	17.0	151.1	239.0	96.5	41.9	98.6	152.3	240.9	76.6	111.5	545.9
	1978-1992	3.4	95.7	142.0	53.8	18.5	62.4	114.6	119.6	46.7	58.0	281.4
	1992-1998	3.3	75.5	108.1	50.4	20.2	60.4	76.9	91.2	46.1	53.5	195.1
	Post-1998	2.1	75.7	109.2	51.3	20.1	61.8	78.6	87.3	48.5	53.9	188.6
Peak1 kW/unit	Pre-1978	0.00	0.22	0.22	0.16	0.13	0.13	0.23	0.28	0.11	0.18	0.32
	1978-1992	0.00	0.12	0.14	0.08	0.06	0.09	0.13	0.14	0.07	0.10	0.21
	1992-1998	0.00	0.09	0.10	0.07	0.05	0.08	0.09	0.09	0.06	0.08	0.14
	Post-1998	0.00	0.09	0.10	0.07	0.06	0.08	0.09	0.08	0.06	0.08	0.13
Gas therms	Pre-1978	0	0	0	0	0	0	0	0	0	0	0
	1978-1992	0	0	0	0	0	0	0	0	0	0	0
	1992-1998	0	0	0	0	0	0	0	0	0	0	0
	Post-1998	0	0	0	0	0	0	0	0	0	0	0
Units	Pre-1978	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	1978-1992	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	1992-1998	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
	Post-1998	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

Average  
kWh  
302.75  
kW  
-2-

Percentage Savings	Vintage	Forecasting Climate Zones										
		1	2,6	3,7	4	5	8,11	9,12,16	10	13	1 (clg)	15
Energy kWh/unit	Pre-1978	2.7	6.6	6.8	6.2	5.1	6.5	6.7	6.8	6.5	5.9	6.9
	1978-1992	3.8	7.0	7.0	7.1	6.6	7.1	7.1	7.0	7.0	7.0	7.1
	1992-1998	3.9	7.2	7.1	7.1	6.6	7.2	7.1	7.2	7.0	6.9	7.1
	Post-1998	4.0	7.0	7.1	7.1	6.6	7.2	7.2	7.0	7.1	7.1	7.1
Peak1 kW/unit	Pre-1978	na	6.0	5.6	6.0	6.9	4.8	6.3	6.1	5.5	5.8	4.9
	1978-1992	na	6.3	6.9	7.1	7.2	6.9	6.4	7.1	6.9	7.1	7.0
	1992-1998	na	7.0	6.9	7.0	6.7	7.1	7.0	7.2	6.5	6.8	7.1
	Post-1998	na	7.1	7.0	7.1	7.1	6.9	7.1	7.1	6.6	7.2	7.1
Gas therms	Pre-1978	0.3	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.3	0.3	0.2
	1978-1992	0.1	0.1	0.0	0.1	0.1	0.2	0.1	0.1	0.2	0.1	0.1
	1992-1998	0.1	0.0	0.0	0.1	0.1	0.2	0.1	0.1	0.2	0.1	0.2
	Post-1998	0.1	0.1	0.0	0.1	0.1	0.3	0.1	0.1	0.3	0.1	0.2

Base Values	Vintage	Forecasting Climate Zones										
		1	2,6	3,7	4	5	8,11	9,12,16	10	13	1 (clg)	15
Energy kWh/unit	Pre-1978	639.6	2294.8	3532.3	1559.8	825.2	1509.5	2257.6	3552.6	1186.8	1903.6	7916.6
	1978-1992	90.6	1367.8	2025.8	759.8	280.9	876.5	1603.0	1700.4	663.0	827.4	3956.8
	1992-1998	83.6	1052.6	1520.0	713.7	305.2	842.9	1085.3	1266.5	660.2	770.5	2744.9
	Post-1998	52.7	1076.2	1534.5	719.9	304.9	861.5	1089.0	1243.8	683.7	760.6	2653.6
Peak1 kW/unit	Pre-1978	0.0	3.6	4.0	2.6	1.9	2.7	3.6	4.6	2.1	3.1	6.5
	1978-1992	0.0	1.9	2.0	1.1	0.9	1.4	2.1	1.9	1.1	1.4	3.0
	1992-1998	0.0	1.3	1.4	1.0	0.8	1.2	1.3	1.2	0.9	1.2	1.9
	Post-1998	0.0	1.3	1.4	0.9	0.8	1.1	1.3	1.2	0.9	1.1	1.8
Gas therms	Pre-1978	283.9	242.7	222.6	200.9	203.8	97.9	117.8	163.7	88.6	230.1	115.1
	1978-1992	81.8	93.5	81.3	40.2	50.4	16.3	25.8	27.3	12.9	44.7	16.3
	1992-1998	71.9	47.8	40.0	35.1	43.5	9.4	10.0	5.2	6.9	41.1	2.2
	Post-1998	56.6	37.5	30.9	25.3	32.0	5.5	5.7	2.6	3.6	30.8	1.0