

5.7.15 Major Residential and Small Commercial Appliance Lifetimes, Ages, and Replacement Picture

<u>Appliance Type</u>	<u>Typical Service Lifetime Range (years)</u>	<u>Average Lifetime (years)</u>	<u>2005 Average Stock Age (years)</u>	<u>Units to be Replaced During 2011 (thousands)</u>
Refrigerators (1)	10 - 16	12	7.8	9,217
Freezers	8 - 16	11	11.3	2,215
Microwave Ovens	7 - 10	9	N.A.	14,625
Ranges (2)				
Electric	12 - 19	16	N.A.	4,281
Gas	14 - 22	17	N.A.	2,854
Clothes Washers	7 - 14	11	N.A.	7,362
Clothes Dryers				
Electric	8 - 15	12	N.A.	5,095
Gas	8 - 15	12	N.A.	1,480
Water Heaters				
Electric	4 - 20	13	8.1	4,281
Gas	7 - 15	11	8.1	4,931
Room Air Conditioners	7 - 13	9	6.5	8,216
Facsimile Machines (3)	3 - 5	4	N.A.	3,133
Portable Computers (3)	2 - 4	3	N.A.	31,600

Note(s): Lifetimes based on use by the first owner of the product, and do not necessarily indicate that the product stops working after this period. A replaced unit may be discarded or used elsewhere. 1) Standard-size refrigerators only. 2) Ranges include free-standing, built-in, high-oven and cooktop/oven combination units. 3) Data for facsimile machines and portable computers is from 2010.

Source(s): Appliance Magazine, U.S. Appliance Industry: Market Value, Life Expectancy & Replacement Picture for 2005-2012, Jan. 2011, p. 11-12 for service and average lifetimes and units to be replaced; Appliance Magazine, U.S. Appliance Industry: Market Share, Life Expectancy & Replacement Market, and Saturation Levels, January 2010, p. 10 ; EIA, 2005 Residential Energy Consumption Survey, Apr. 2008, Table HC 2.6, Table HC 2.8 and Table HC 2.9 for average stock ages.