

Energy conservation by the numbers...

Construction debris is 1/3 of all waste in US. From “Buildings and Their Impact on the Environment: A Statistical Summary”, April 22, 2009, US Environmental Protection Agency.

Waste generated annually from construction and demolition = 136 million tons. From “A Cautionary Tale,” by Wayne Curtis in J/F 2008 issue of Preservation Magazine, pp. 19-24.

Only 20-30% is recycled or reused. From “A Cautionary Tale,” by Wayne Curtis in J/F 2008 issue of Preservation Magazine, pp. 19-24.

110 train cars go to eastern Oregon each day with waste from Seattle. From “Overview of the Proposed Seattle Bag Tax,” by Paul Guppy, July 2009, Washington Policy Center.

Vinyl is 40x more energy consuming to produce than wood. From Donovan Rypkema, Principal, Place Economics.

Aluminum is 125x more energy consuming to produce than wood. From Donovan Rypkema, Principal, Place Economics.

98% of old growth timber is gone. From “Forest Decline Continues,” by Janet Abramovitz, in Vital Signs 1998: The Environmental Trends that are Shaping Our Future.

Typical mid-20th century building contains the equivalent of 5-15 gallons of gas per square foot. From “A Cautionary Tale,” by Wayne Curtis in J/F 2008 issue of Preservation Magazine, pp. 19-24.

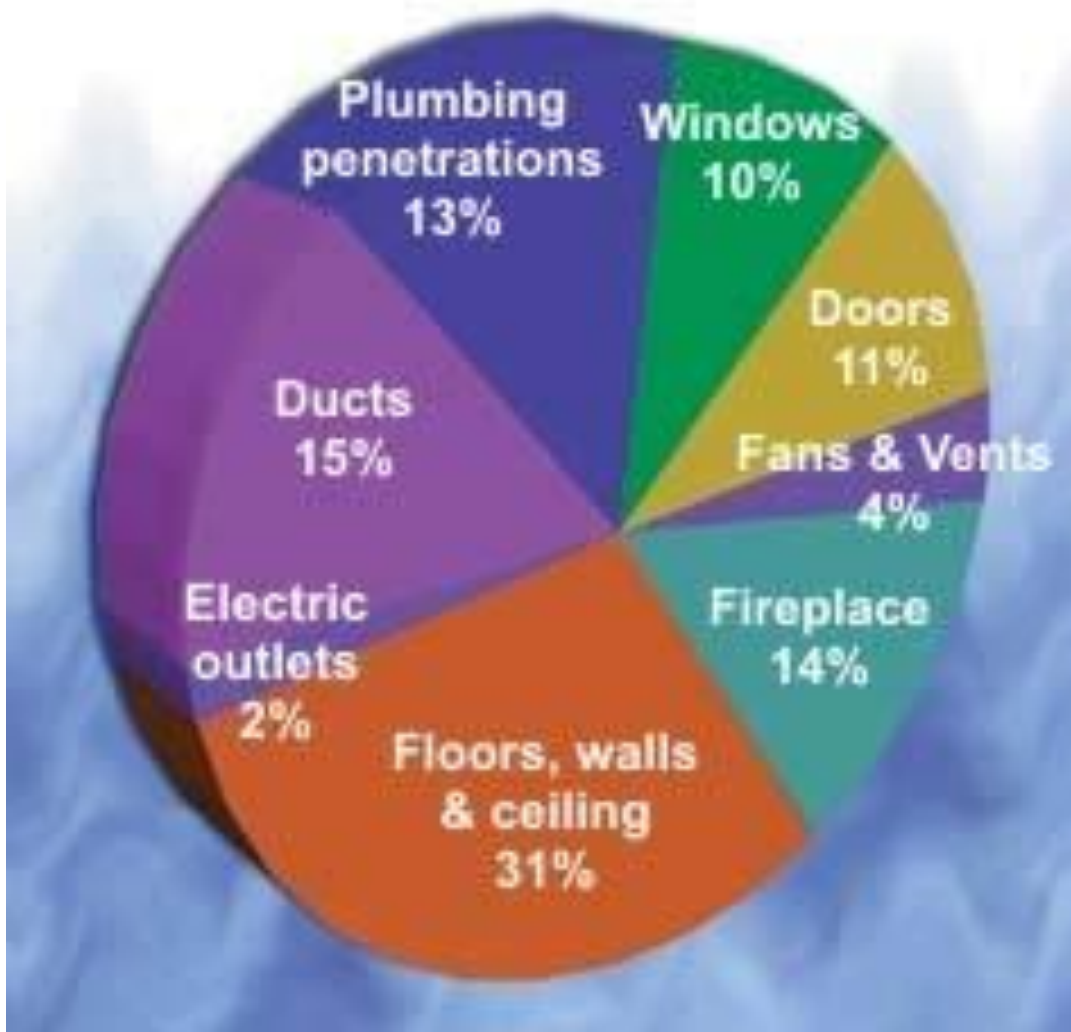
Heritage tourists spent 8.7 million visitor days in WA in 2004 at \$72.40 per day = \$633 million per year. From “The Economic Benefits of Historic Preservation in Washington State,” by Matt Dadswell and William Beyers, November 2006, Dept. of Archaeology and Historic Preservation.

For every \$1 million in construction costs, general production produces 23.9 jobs, new construction produces 30.6 jobs, and rehabilitation produces 35.4 jobs. From Donovan Rypkema, Principal, Place Economics.

New construction uses 50% materials and 50% labor, rehabilitation uses 60-70% labor. From Donovan Rypkema, Principal, Place Economics.

¼” gap at the bottom of a door = 3” x 3” hole in the wall. From “Making That Old House Energy Efficient,” by Steve McLinden, Bankrate.com.

Weatherstripping windows can increase efficiency by as much as 50%. From “Window Know-How, A Guide to Going Green,” by Magazine Editors, M/A 2009 issue of Preservation Magazine.



Energy loss pie chart comes from a variety of sources including US Dept of Energy.