| v3 - LEED 2008

Indoor water use in mid-rise buildings

MWEc3 | Possible 8 points

Glossary

Intent

Minimize indoor demand for water through water-efficient fixtures and fittings.

Requirements

Prerequisites

None.

Credits

Note: Compensating shower valves and conventional, non-compensating shower valves may not work properly when low -flow showerheads (restricting water flow below 2.5 gpm) are installed. Installing low-flow showerheads where compensating valves or conventional, non-compensating valves are installed can increase the risk of scalding (or other types of injuries, such as slips and falls due to thermal shock) when the plumbing system experiences pressure changes. Make sure any low-flow showerhead is installed with a valve that has been designed, tested and verified to function safely at the reduced flow rate. If in doubt, consult the manufacturer of the valve before installing a low-flow showerhead.

3.1 **High-efficiency fixtures and fittings** (1 point each, maximum 3 points). Meet one or more of the following requirements by installing high-efficiency (low-flow) fixtures or fittings. A project cannot earn points in both WE 3.1 and WE 3.2 for the same fixture type (e.g., faucet, shower, or toilet).

a. The average flow rate for all lavatory faucets must be ≤ 2.00 gpm.
b. The average flow rate for all showers must be ≤ 2.00 gpm per stall.
c. The average flow rate for all toilets must be ≤ 1.30 gpf OR
toilets must be dual-flush and meet the requirements of ASME A112.19.14 OR
toilets must meet the U.S. EPA WaterSense specification and be certified and labeled accordingly.

3.2 **Very high efficiency fixtures and fittings** (2 points each, maximum 6 points). Meet one or more of the following requirements by installing very high efficiency fixtures or fittings. A project cannot earn points in both WE 3.1 and WE 3.2 for the same fixture type (e.g., faucet, shower, or toilet).

a. The average flow rate for all lavatory faucets must be ≤ 1.50 gpm OR
lavatory faucets must meet the U.S. EPA WaterSense specification and be certified and labeled accordingly.
b. The average flow rate for all showers must be ≤ 1.75 gpm per stall.
c. The average flow rate for all toilets must be ≤ 1.10 gpf.

3.3 **Water-efficient appliances for mid-rise** (1 point each, maximum 2 points). Install one or both of the following:

a. Water-Efficient Clothes Washer. Install clothes washers with modified energy factor (MEF) ≥ 2.0 and water factor (WF) < 5.5. Clothes washers must be installed in each unit, or provided in a shared facility to adequately meet the demand of the entire building.
b. ENERGY STAR labeled dishwasher(s) that use 6.0 gallons or less per cycle.