AWE Template of Suggested Water Use Thresholds

Fixture, Fitting, Appliance, or Equipment	Probable Application	Reference Standard or Specification (if any)	Recommended Threshold of Water Use (maximum)	Other Parameters	Comments	For information and comparison only: Threshold prescribed in ASHRAE DRAFT ANSI Standard 189.1 (version 2)
Water Closet (Tank-type)	Residential & Light Commercial	WaterSense specification for HETs: www.epa.gov/watersense/docs/spec_het508.pdf	4.8-lpf effective flush volume	Applies only to tank-type fixtures	Support WaterSense. Fixture must be certifed in accordance with WaterSense requirements; category includes light commercial applications.	WaterSense (4.8-lpf effective flush volume)
Water Closet (Flushometer valve/bowl)	Non-Residential	ASME A112.19.2-2008/CSA B45.1-08 & related stds for valves; WaterSense formula for effective flush volume for dual-flush	4.8-lpf effective flush volume	Applies only to flushometer valve/bowl combination fixtures	Effective flush volume for dual-flush fixtures determined in accordance with WaterSense specification. **NOTE: SEE AWE CAUTIONARY STATEMENT REGARDING DRAINLINE ISSUES ASSOCIATED WITH CERTAIN TYPES OF BUILDING INSTALLATIONS**	4.8-lpf effective flush volume
Urinal	All	ASME A112.19.2-2008/CSA B45.1-08, ASME A112.19.19, IAPMO Z124.9, and related stds for valves	1.9-lpf	None at this time	Support WaterSense when spec is issued and finalized for flushing urinals. Category includes flushing and non-water urinals, but non-water urinals are not included in the first WaterSense Notice of Intent (NOI) for Urinals.	1.9-lpf
Lavatory Faucet	Residential	WaterSense specification for Resid Lav Faucets: www.epa.gov/watersense/docs/faucet_spec508.pdf	5.7-lpm	3.0-lpm minimum	Support WaterSense by adopting their thresholds (max & min).	WaterSense (5.7-lpm max; 3.0-lpm min)
Kitchen Faucet	Residential	ASME A112.18.1/CSA B125.1	8.3-lpm	None	Same as U.S. EPAct 92 maximum.	8.3-lpm
Pre-Rinse Spray Valve	Commercial	ASME A112.18.1/CSA B125.1	4.9-lpm	None	Could use the California list by the CEC if necessary. That spec requires a maximum 30 second cleaning time when tested using ASTM F-2324-03 test method. Other jurisdictions are currently using other metrics (i.e., 26 and 21 seconds).	4.9-lpm
Showerhead	Residential & Hospitality	ASME A112.18.1/CSA B125.1	7.6-lpm	Lower flow rates must be accompanied by automatic compensating valve tested & certified to the same flow rate or less.	WaterSense showerhead spec may be implemented in multiple phases due to the need to develop a full performance spec; phase 1 will establish a max flow rate likely in the region of 7.6-lpm and a phase 2 may possibly define other performance metrics along with a lower flow rate.	7.6-lpm
Ice Machine	Commercial	Energy Star	None	Energy Star only lists air-cooled machines	By specifying Energy Star, water cooled machines are automatically excluded.	Energy Star

NOTE: Other items may be added to this listing as threshold requirements are defined through a stakeholder input process.

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